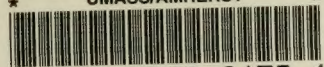


* UMASS/AMHERST *



312066 0333 3175 1

LIBRARY
OF THE



MASSACHUSETTS
AGRICULTURAL
COLLEGE

SOURCE Publishers-----

~~174405~~

~~174405~~ +

v.39

FLOR.
DEPT.

THE
LIBRARY
OF THE
MUSEUM
OF
COMPARATIVE ZOOLOGY
AT
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

RECEIVED
JAN 10 1893
LIBRARY
OF THE
MUSEUM
OF
COMPARATIVE ZOOLOGY
AT
HARVARD UNIVERSITY
CAMBRIDGE, MASS.

THE UNIVERSITY OF
CHICAGO
LIBRARY

THE UNIVERSITY OF
CHICAGO
LIBRARY

THE UNIVERSITY OF
CHICAGO
LIBRARY

THE UNIVERSITY OF
CHICAGO
LIBRARY

THE—*

* AMERICAN *

—* FLORIST.

A WEEKLY JOURNAL FOR THE TRADE.

VOLUME XXXIX.

July 27, 1912 to January 18, 1913.

CHICAGO:
AMERICAN FLORIST COMPANY.
1913.

A

Abrams, Casper, death, 66
Acalyphas, 893
Aconitum Wilsoni, 1348
Advertising,
Chicago stores, 466
Tuthill, L. W. C., on, 363
Aeroplane, first floral, 843
Afforestation in China, 876
Agari, F. Y., & Co., prize chrysanthemums at San Francisco Fall Show, 952
Akron, O., 636
Alabama State Horticultural Society, 1435
Albany, N. Y.
Florists' Club, 380 (outing), 418 (group at outing), 490, 743, 1050, 1210
Notes, 380, 490, 600, 710, 743, 868, 918, 1050, 1148, 1210, 1314, 1452
Albert, Felix, portrait, 899
Alfalfa tests by Department of Agriculture, 656
Alkernade, W. N. & Co., 390
Allentown, Pa., 138
Allerton, S. W., residence, 167
Alliance, O., 586
Alternantheras, 174
Altoona, Pa., 342
American Apple Growers' Congress, annual convention, 560
American Carnation Society.
Registrations, 12, 1088, 1436
American Gladiolus Society.
Annual meeting, 416
Change of name (Dawn to Dawnray), 1280
Gladiolus Day, 1490
New committees appointed, 528
Registrations, 68
Report of corresponding secretary, 358
American Institute. See under New York (city)
American Rose Society, announcement of prize list, 1436
American Seed Trade Association, special committees, 656
American Sweet Pea Society
Boston exhibition, views, 2, 3
Executive committee meeting Oct. 11, 744
Amling, E. C., portrait, 184
Ammann, J. F., portrait, 187
Andrews, C. J., Driveways to railway stations, 422
Anemones, 522
Japonica, 58, 574
Anheuser-Busch Co.'s floral design, 466, 467
Anthony, J. T., portrait, 168
Antirrhinums, 734
Ants, keeping out of greenhouses, 5
Aphine, 539
Apple tree, memorial to, 633
Apples.
American in Germany, 718
Blair orchards sold, 96
Breeding, 772
See also American Apple Growers' Congress
Aquiliegias, 62
Ardisias, 964
Arkansas Horticultural Society, 1490
Armour, Ogden, estate, 165
Arnold Arboretum.
New Chinese shrubs, 42
New trees, 1139
Artificial flower making, 1208
As summer fades (poem), 277
Aschmann, Godfrey, establishment, 419
Asheville, N. C., 1406
Asmus, Geo.
Appointment, 1436
Portrait, 183, 1205
Asparagus (vegetable).
Notes, 40
Rust, 1362
Asparagus Sprengeri, baskets, 58
Asplenium nidus, 1134
Asters, China, original, 1348
August (poem), F. H. Sweet, 161
Australia, fruit-growing, 718
Australian bluebell creeper, 116
Automobiles.
Delivery, Deere Co., 1202, 1203
Gude Bros.' prize-winning, 468
In the flower business, 175
Old Dutch Market delivery car in Washington parade, 524
Prize decorated, by I. L. Pillsbury, 1082, 1083
Shaffer's, G. C., decorated, in Washington parade, 525
Tires from potatoes, 1205
Autumn leaves (poem, Frank Dempster Sherman), 1088
Autumn thoughts (poem, E. S. Norris), 626
Azaleas, 790, 1021, 1133
Carl Enke in pot, 1139
Imported, 684
Japanese, 114

B

Bachelot, A., portrait, 90
Bailey, Prof. L. H., portrait, 1278
Baker, W. J. Square deal, 110
Baldoebhl, A. G., death, 579
Ball decoration for debutante, 1430
Ballier, Francis A., death, 66
Ballroom decorations.
Parasol, cretonne, 1022
White, 735
Baltimore, Md., 82, 138, 579, 868, 1142
Barr, B. F., on chrysanthemums, 1135
Barry, Wm. C., portrait, 1278
Barteldes Co., 1408
Basket vases, 1140, 1141

Baskets.

Christmas, by S. Muir, 1193, 1274
Christmas, by W. J. Smyth, 1196
Christmas, by Geo. M. Stump, 1192, 1275
Flower girl's (plate), 1378
Gypsy with phlox, snapdragons and roses, 523
Orchids, by Pelicano, Rossi & Co., 953
Plant, 1189
Tumbler, 522
Tumbler, asters and celosia, 522
Tumbler, roses and cornflowers, 626, 627
Tumbler, roses and snapdragons, 627
Bassett, O. P., portrait, 184
Bassett & Washburn's new range at Gregg's Station, Ill., construction work, 286, 287
Battle Creek Horticultural Society, 1114
Bavarian truck farms, 660
Bayersdorfer, H., & Co.
Establishment, 176
Exhibit at S. A. F. convention, 357
Beal, Alvin C., on winter-flowering sweet peas, 902
Beans, crop conditions, 34, 498
Beattie, Thos., Fall planting of shrubs and hardy perennials, 794
Beaver Falls, Pa., 377
Bees and flower color, 1438
Begonias, 1134
Gloire de Lorraine, 109, 573, 1134, 1135, 1482
Gloire de Lorraine, grown by F. Oechslein, 1195
Glory of Cincinnati, grown at Vaughan's Nurseries, 1138
New winter-flowering, 845
Rex, 894
Belgium, flower trade, 1435
Bell, J. J., 1058
Bemb. D., Floral Co., store and conservatory, 1430, 1431
Bentley, F. F., portrait, 187
Bertermann, Irwin
Portrait, 966
Retailing cut flowers, 966
Bester, Wm., death, 66
Bill, the bos'n, on the square deal, 58
Bishop, O. G., on improving vegetables, 660
Blair orchards, 96
Bloomington, Ill., 1397
Bobbink & Atkins' establishment, 1141
Boehm, C. O. E., portrait, wedding anniversary, 688
Bommersbach, A. M., death, 66
Bontrager, W. E. Kenyon College arboretum, 1312
Books for florists, 43, 1123, 1354
Borne, Mrs. (Baltimore, Md.), portrait, 178
Boskoop exhibition of roses, announcement, 146
Boston, Mass.
Gardeners' and Florists' Club, 82 (picnic), 964 (anniversary banquet)
Notes, 23, 82, 128, 226, 382, 434, 474, 548, 582, 636, 690, 741, 806, 846, 911, 987, 1052, 1100, 1116, 1142, 1210, 1293, 1344, 1398, 1450, 1498
See also American Sweet Pea Society
Boston fern. See Nephrolepis under Ferns
Botanical assistant wanted, 68
Bouquet green, 998, 1082, 1248
Bouquets.
Bridesmaid's, by Pelicano, Rossi & Co., 1083
Colonial, by H. E. Klunder, 110, 111
Corsage, 414, 735
Horseshoe corsage, 734
Miniature, by H. E. Klunder, 110
Bourne parcels post bill, 34, 90
Boxes, Christmas, by S. Muir, 1194
Boxwood, 1081
Bradock, Pa., 378
Brambles, new, 740
Breeding and evolution of plants, 1490
Briarcliff headquarters, 991
Brinton, M. J., on chrysanthemums, 1135
Brookes, F. W., portrait and sketch, 169
Brookes, Samuel, portrait and sketch, 169
Brooklyn, N. Y., retail stores, 1327
Brown Floral Co., establishment, 1202
Browne, Geo. E., movable greenhouse, 736
Browne, Thos., seedling carnation, 1490
Bruns, H. N., portrait, 184, 1205
Budlong, A. H., portrait, 185
Buetner, Emil, portrait, 185
Buffalo, N. Y.
Florists' Club, 22 (picnic), 1052
Humboldt Park flower bed and greenhouse view, 1487
Notes, 22, 134, 320, 478, 539, 648, 754, 804, 922, 1052, 1168, 1400, 1445, 1504
Bulbs.
French, 1460
Transaction, 390
Burk, Louis, case of orchids at Philadelphia exhibition, 948
Burkl, Fred, portrait, 419
Business.
Division of profits, 294
Reports of Christmas, 1382, 1433
Systems, 1274
Butler, Pa., 232

C

Cabbage.
Danish seed, 870
Long Island, 656
Calendars received, 1384
Calgary, Alta., 444
Calhoun, Patrick, 1482, 1483
California Seed Growers' Association, formation, 498
Callas, I., 681
Production of blooms, 294
Cambridge, O., 579

Cameron, F. G., on fertilizers, 574
Canadian Horticultural Association.
Announcement of annual convention, 68
Annual meeting, 115, 176
Group of members and their families, 293
Canal Dover, O., 582
Cannas, 625
Conard & Jones Co., new, registrations (8), 755, 1144
Canning, John, three bush chrysanthemums, 897, 946
Canton, O.
McKinley tomb, 683
Notes, 608, 1090
Carbone, John C., orchid exhibit at San Francisco, 1277
Carnations.
After the planting (C. W. Johnson), 62
Breeding (Prof. Wm. Stuart), 111
California Giant, registration, 12
Christmas crop (W. H. Taplin), 1196
Christmas season (C. W. Johnson), 1197
Cleveland show, 1029
Curtis', Chas., house, 116
Early planting (C. W. Johnson), 7
Feeding (C. W. Johnson), 1431
Gorgeous, registration, 12
Heating and ventilating (C. W. Johnson), 576
Heating, syringing, fumigating (W. H. Taplin), 1026
Insects, 1087
Magnificence, registration, 12
Macfless, registration, 12
Old soil, 468
Philadelphia, Browne's seedling, 1490
Preparing for next year (W. H. Taplin), 7
Princess Dagmar, registration, 12
Princess Dagmar, 1026, 1027, 1052
Princess Dagmar, registration, 1088
Propagating (C. W. Johnson), 63, 1487
Radiance, registration, 1436
Robert Marshall, 9
Salmon Beauty, registration, 12
Seasonable notes (C. W. Johnson), 468
Stem rot, 468
Stem rot and other troubles (W. H. Taplin), 575
The Commodore, registration, 12
The Herald, 1331
The Herald, registration, 12
Timely (Dec.) suggestions (C. W. Johnson), 1137
Transferring to greenhouse (W. H. Taplin), 367
Vivid, registration, 1436
When to bloom (C. W. Johnson), 111
Wm. Eccles, registration, 12
Carpenter, Geo., death, 743
Catalogue postage, 602, 1058
Catalogues received, 442, 550, 924, 998, 1306, 1460
Catch crops, 963
Cauliflower, Danish seed, 870
Cebu, Lima beans in, 1114
Celery blight, 716
Centerpiece, rose tree, 415
Chambersburg, Pa., 144
Charleroi, Pa., 428
Charlesworth & Co., orchids, Miltonias, at London show, 59
Chatfield-Taylor, H. C., estate, 166
Chestnut bark disease, 1312
Chicago, Ill.
Coliseum, 113
Facts about, 169
First commercial greenhouse, 169
Florists' Club, 75, 126, 168 (history), 363 (baseball team), 483, 591, 644, 753, 980, 1042 (banquet), 1204-1205 (officers' portraits), 1234, 1455
Horticultural Society, 536
Hotel rates, 12, 68, 118, 190
Housing problem, 1435
Notes, 16, 72, 122, 220, 304, 372, 424, 480, 532, 584, 638, 694, 748, 798, 852, 906, 976, 1034, 1092, 1152, 1220, 1284, 1336, 1388, 1440, 1492
Park examinations, 978, 1193
Parks, 163, 164, 165, 180
Stores that advertise, 466
Washington Park, view, 288
Wholesale cut flower trade, 163
Chicago Carnation Co.
Carnation The Herald, 1331
Visit of Chicago growers to Joliet, 1330
China.
Afforestation, 876
Melon seeds, 1460
Chisholm, T. W., 442
Christmas.
Basket, by W. J. Smyth, 1196
Baskets, by S. Muir, 1193, 1274
Baskets, by Geo. M. Stump, 1192, 1275
Boxes, by S. Muir, 1194
Business reports, 1382, 1433
Carnation crop (W. H. Taplin), 1196
Cleaning up after, 1377
Decorations forbidden in New York, 1280
Dinner decorations, 1274
Greens, 1081
Market garden notes, 1254
New York plants, 1327
New York stores, 1378
Packing and wrapping, 1273
Plants, 1133, 1134
Rose trade, 1275
Selling the stock, 1273
Suggestions for the trade, 1081, 1133, 1189, 1273
Wreaths, 1189
Christmas tree, tale of the (poem), 1207

Christmas trees, 1082
 Embargo, protests, 930
 Plenty, 1064
Chrysanthemum Society of America.
 Announcement of prizes for 1912 exhibition, 190
 Annual meeting, proceedings, 945
 Examining committees, 580, 690, 744, 796, 848, 968, 1032, 1088
 Official judging scales, 580, 690, 744, 796, 848, 968, 1032, 1088
 Reports of committees, 968, 1032
 Special prizes, 796
Chrysanthemums.
 After-crop, 1734
 Buds, 368
 Burning and damping (E. D. Smith), 63
 Bush (3), shown at N. Y. Horticultural Society's fall exhibition, 897, 946
 Busy season at hand (September), 525
 Ceaseless care necessary (C. W. Johnson), 6
 Characteristics affecting propagation (E. D. Smith), 1276
 Chemical foods for (P. A. Cragg), 64
 Christmas review (C. W. Johnson), 1276
 Chrysolora, bench at range of Elmer D. Smith, 791
 Climatic influences (E. D. Smith), 791
 Cut blooms, care (E. D. Smith), 1198
 Diseased foliage (E. D. Smith), 1198
 Early selected buds (C. W. Johnson), 687
 Elberon, new, 939, 961
 Exhibition blooms and seedlings (C. W. Johnson), 792
 Feeding (E. D. Smith), 630
 Garfield Park show, 1030
 Improved Golden Chadwick, 1144
 Insects (E. D. Smith), 470
 Lucille Quinlan, new, 958, 961
 Mary E. Meyers, new, 960, 961
 Newer varieties (C. W. Johnson), 1024
 Novelties at the American Institute (N. Y.) show, 961
 Novelties in 1912, 844
 Novelties of Elmer D. Smith & Co., 958-961
 Packing, wrapping the bloom, 790, 791
 Pinching out side growths (C. W. Johnson), 368
 Popularity, 968
 Preparing for exhibitions (E. D. Smith), 791
 Profitable? 1135
 Propagating (C. W. Johnson), 6
 Ramapo, 844
 Recent introductions (E. D. Smith), 844
 Revised classification (E. D. Smith), 524
 Revised judging scales (A. J. Loveless), 628
 Revised judging scales (C. H. Totty), 628
 Scales for judging (E. D. Smith), 525
 Scales for judging (C. W. Johnson), 576
 Scales for judging (Wm. Kleinheinz), 577
 Selection of buds (E. D. Smith), 63
 Specimen plants for exhibition (C. W. Johnson), 629
 Stem and foliage (E. D. Smith), 1024
 Stock plants (E. D. Smith), 1198
 Temperature and ventilation (C. W. Johnson), 686
 Youkers, new, 961
Churches. See Wedding Decorations
Cincinnati, O.
 Florists' Club, 19 (picnic), 475, 1045, 1143, 1237
 Notes, 19, 78, 117, 227, 308, 375, 428, 474, 542, 582, 643, 699, 804, 847, 904, 987, 1045, 1098, 1143, 1236, 1282, 1342, 1396, 1445, 1497
Cinerarias. 573, 1021
 Clark, Arthur B., portrait and sketch, 140
 Clark, J. M., portrait, 182
 Clarke, W. A., portrait, 419
 Clarke Bros., prize orchid display at Portland (Ore.) show, 1084
 Clarkia elegans, 9
Clearing up.
 After Christmas, 1377
 After frost, 682
Cleveland, O.
 Florists' Club, 742
 Notes, 24, 81, 130, 311, 374, 428, 478, 540, 582, 636, 700, 741, 753, 804, 847, 912, 992, 1047, 1097, 1142, 1236, 1283, 1343, 1446, 1503
 See also Ohio Horticultural Society
Coal situation. 260
Coffee, U. S. Department of Agriculture bulletin. 1204
Cole, Jos. M., death. 181
Coles, W. W. Establishment of E. G. Hill Co., 1381
Color, bees and. 1438
Colorado, seed crops. 550
Colorado Seed and Nursery Co., 1356
Columbus, O., 588, 642, 760, 910, 1022, 1048, 1294, 1396
Compost for roses. 1138
Conard & Jones Co., canna registrations, 795, 1144
Connecticut, seed crops. 498, 550
Connecticut Horticultural Society, 431, 900, 1453 (annual meeting)
Connecticut nurserymen at New Haven, 526, 527
Connellsville, Pa., 388
Cork, 450
Corn.
 Seed outlook, 1408
 Seed scare, 36
 Sweet, marketing, 144
Corn on the cob (poem), 423
Cornus alternifolia, 250
Corrugated iron, gardening on, 28
Corsage bouquets, 414, 734, 735
Cotillion decoration, 626
Cottage Gardens Co., establishment, 1201

Council Bluffs, Ia., 1314
Cragg, P. A., Chemical foods for chrysanthemums, 64
Craig, Prof. John, death, portrait, 293
Craig, Robt., portrait twenty-five years ago, 163
Craig, Robert, Co.
 Establishment, 964
 Exhibit at S. A. F. convention, 284
 Crepe spray (plate), 1326
Cropp, Carl, portrait, 186
Crops.
 British damage, 656, 870
 European seed, 766, 818
 Good, and good times, 737
 U. S. conditions, 639
Cucumber seed, 1466
Culp, W. H. Retailer asks for square deal, 2
Curtis, Chas., carnations, house, 116
Cut flowers.
 Chicago wholesale trade, 163
 French restrictions on Italian, 415
 Retailing (I. Bertermann), 967
 Retailing by the box, 1190
 See also Prices
Cyclamens, 521, 1135, 1481
 Old, growing, 471
 Specimens, 1136, 1485

D

Dahlia, 573, 681
 Vincent farm show, 688
Dailledouze Bros.' establishment, 1201
Daisies, Napaquand, 117
Dallas, Texas, 1418
Danish cabbage and cauliflower seed, 870
Davenport, Ia.
 Notes, 180, 485, 701, 942, 1047, 1143, 1446, 1496
 See also Tri-City Florists' Club.
Davy (Arpajon, France), 90
Dawson, Jackson, medal, 1203
Dayton Floral Co., 632 (group of children of W. G. Matthews), 633 (group of employees at outing)
Deamud, J. B., portrait, 182
Deamud, W. S., portrait, 186, 1204
Decatur, Ill., 1168
Degnan, John, portrait, 189
Delaware Agricultural Experiment Station, questions sent to sweet pea growers, 469
Delphiniums, 58
Dennison's New York store, 704
Denver, Colo., 84, 1090, 1458
Designs, prices, 522
Detroit, Mich.
 Florists' Club, 128, 631 (visit to Toledo), 1142
 Notes, 1142
Dick, A. B., estate, 166
Dickinson, C. M., portrait, 182
Dickson, Geo., portrait and sketch, 1328
Dietsch, A., portrait, 187
Dilleuth, H. G., establishment, 58
Dingee, Chas., death, portrait, 1143, 1207
Ditzenberger, Geo. F., death, 1031
Dogwood. See Cornus
Donaghpatrick Co-operative Society, 140
Donaldson, John, portrait and sketch, 1279
Dracenas, 1134
 Christmas, 1134
 Florists' (W. H. Taplin), 1380
Lindenii, 1380
Mandaiana, 1381
Sanderiana, 1484
Terminalis, 1382
Victoria at J. A. Peterson & Sons, 1135
Dreer, Hen. A., portrait, 1432
Dreer, Henry A., Inc.
 Delivery system, 1202, 1203
 Diamond anniversary, 1432
 General view of estate, 6
 Jacob G. Eisele and George Clark making records, 8
 Mme. Leon Pain and Harry Kirk roses, 7
 Riverton establishment, 1023
 Rose trial grounds, 4, 5, 6, 7, 8
 Winter frames for pot roses, 5
Dresel, August, death, 10
Dubuque, Ia., 1408
Dunbar, E. A., portrait, 474
Dunbar, John, portrait, 898
Dysinger, S. D., portrait, 793

E

Ebel, M. C. National Association of Gardeners, 740
Eckhardt, O. R., portrait, 900
Electricity for prevention of hail, 370
Elliott, A. A. Early flowering sweet peas, 1085
Elm City Nursery Co.
 Group of Connecticut nurserymen, 527
 Japanese stone lantern, 526
England.
 Crop damage, 656
 Crops ruined by rain, 870
Envelope baskets, 894
Erica. See Heath
Erne, Chas. W., portrait, 187
Europe, flower trade in (J. J. Hess), 1334
European horticulture, 9, 70, 116, 633, 1348
Evans, Richard E., death, 579
Evergreens.
 Transplanting forest-grown, 1364
 Window boxes, 1486
Exhibitions, calendar, 13, 69, 119, 192, 296, 371, 420, 476, 580, 634, 744, 796, 848, 902
Experiment stations, Russian, 1138

F

Fairs, State, calendar, 421, 477, 529, 581, 635, 796
Farquhar, J. K. M. L., portrait, 278
Favor suggestions, 894
Ferns, 789
 Adiantum "Glory of Moordrecht," 627
 Crested, 1027
 Cryptium Rochfordianum, 627
 Fossil, 170
 "Glory fern," 627
 House, 627
 Nephrolepis, 413
 Nephrolepis mucosa, 1488
 Novelties (two) (W. H. Taplin), 627
 Rest period (W. H. Taplin), 1488
 Spore variation, 1277
Fertilizers.
 Knowledge of (F. G. Cameron), 574
 Mixing, 628
 Potash, 110
 Sawdust manure, 70
 Sludge, 1064
 Street sweepings, 172
 Value of the finished, 390
Festooning, 1190
Feterita, 1408
Field, Ethel C., 578
Fillmore, Francis, death, 1208
Firing. See Heating.
Fisher, H. A., Co., 370
Fisher, Wm. S., death, 1489
Fleischman Floral Co., advertising, 466
Fletcher, Thos., death, 579
Florists and Gardeners' Club of Holyoke and Northampton, Mass., 1344
Florists and Gardeners' Club of Rhode Island, 1139
Florists' Hall Association.
 Annual meeting, 358
 Report, 118
 Report of secretary for year ending Aug. 1, 1912, 334, 335
Florists' Telegraph Delivery, 848
Flower trade in Europe (J. J. Hess), 1334
Flowers.
 Artificial, making, 1208
 Belgium trade, 1435
 Prepared, 1190
 See also Cut flowers.
Foley, P. J., portrait, 183
Ford, Patrick, death, 1489
Foreign trade increasing, 40
Forestry.
 As a profession, 612
 In British India, 772
Forests, creation, 772
Forget-me-nots, garden, for table decoration, 734
Fossil ferns, 170
Fox, Chas. Hen., The spirit of the times, 1482
France, marketing narcissus and hyacinth blooms, 1198
Frederickton, N. B., 650, 1449
French, G. W., portrait, 1205
Freres, D. E., portrait, 187
Frese, O. W., portrait, 186
Fresno, Cal., 643
Frost.
 Preventing by electricity, 10
 Protection, 1170
Fruit, Australia, growing in, 718
Fruited plants, 1135
Fuchsias, 1378
Fuller's teasel, 1331

G

Gage, L. Merton.
 Portrait, 417
 Report as Secretary American Gladiolus Society, 416
Galax leaves, 1082
Galesburg, Ill., 1082, 1083
Galloway, B. T., on germination of packeted vegetable seeds, 602
Gammage, Wm., portrait, 115
Gardeners. See National Association of Gardeners.
Gardeners and Florists' Clubs of America (J. O. Thilow), 965
Gardenias at Robert Scott & Son's, 1330
Gardens, flowers for (J. T. Temple), 1432
Garfield Park, Chicago.
 Chrysanthemums at show, 1030
 View in conservatory, 165
 West Side conservatory, 164
Garland, Geo. M., portrait, 189, 737
Garland, H. S., portrait, 185, 736
Garland's movable greenhouses, 736, 737
Gas damage verdict, 744
Gasser, J. M., Co.
 Wedding decoration, 1191, 1193
 Wedding decorations at residence of P. Calhoun, 1482, 1483
Genistas, 893
George Robert White medal of honor, 1203, 1208
Geranium, 466, 1429
 Sweet scented, 110
Ginseng, Hongkong market, 735
Gladioli, 681
 Colvillei, 841
 Dawn and Dawnray, 1280
 Decoration, registration, 68
 Hiawatha, registration, 68
 Holland, 498
 Washing bulbs, 418
 See also American Gladiolus Society.

Gladiolus Day, 1490
Glass.

Cutting, 168
Market, 1384
Glen Cove. See Nassau County Horticultural Society.

Gooseberries, restrictions on imported, 146, 1468
Grafting roses, 1379
Graham, A., & Son, standing wreath of lilacs and American Beauty roses, 895
Graham, Chas., portrait, 179
Grapevines in Roumania, 1256
Grass for shady places, 174
Graves, Hen. S., on forestry, 612
Greenhouses, Garland's movable, 736, 737
Gregg's Station, Ill. See Bassett & Washburn.

Gross, Gottfried, death, 901
Growers, with the, 4, 418, 964, 1023, 1141, 1201, 1329, 1381

Gude Bros.
Automobile in Washington parade, 467, 468
Emblem, 466, 467

H

Hadley, Mass., 1382
Hagerstown, Md., 80
Haight, R. J., portrait, 1388
Hail, prevention by electricity, 370
Hairy Vetch, 442
Halesia corymbosa, 9
Hall, H. F., portrait, 473
Hall, John, portrait, 1278
Halligan, C. P., a new tomato, 1414
Halloween suggestions, 790
Harrisburg, Pa., 76
Hart, Geo. B., portrait, 898
Hart, Walter, death, 1143
Heacock, Jos., Co., Wyncote establishment, 418
Heaths, 173, 893
Erica melanthra in decorated pot, 1197

Heating.

Dwelling, 1026
Early firing, 625
Lean-to, 50
Night firing for roses, 685
Oil apparatus, 294, 370
Rose houses, 365
Syringing, fumigating carnations (W. H. Taplin), 1026
Temperature regulation, mystery of, 168
Hecht, Ben. Tale of the Christmas tree (poem), 1207

Heinemann, F. C., novelties for 1913, 1110
Heloniums, 468
Henderson, Alex., portrait, 185, 1204
Hendrickson, I. S.
Address as president American Gladiolus Society, 416
Portrait, 416

Henequen plant, export restrictions, 62

Herr, A. M.
Do chrysanthemums pay? 1135
Publicity in flower trade, 1436
Hess, J. J. Flower trade in Europe, 1334
Hession, Hen., death, 1031

Hill, E. G.
New roses to date, 738
Portrait, 738
Portrait twenty-five years ago, 162

Hill, E. G., Co., establishment, 1381

Holidays. See Christmas.

Holland, galdioli mania, 498

Holly, 998, 1081, 1248

Hollyhocks, 173

Holm, E. P., portrait, 793

Holm & Olson's orchid display at St. Paul show, 956

Holmes Seed Co.'s new home, 870, 1356

Holyoke, Mass., 1344

Home Gardening Association, announcement, 370

Honeysuckle, 116

Hongkong ginseng market, 735

Hoon, R. B., death, 1489

Horseshoe corsage bouquet, 734

Hostetter, E. P., 1434

Housing problem in Chicago, 1435

Houston, E., & Co., establishment, carnation house and rose house, 62

Humboldt Park, Buffalo, N. Y., view of bed and house, 1487

Humboldt Statue in Humboldt Park, Chicago, 180

Hunkel, G. H., Co., 1306

Huntingdon, Pa., 129

Husbands, Isaac, death, 1143

Hyacinths.

Marketing blooms in France, 1198, 1201, 1202

Roman, 57, 733

Hydrangeas, 110, 625

Arborescens for Easter, 1140, 1326

I

Idaho peas, 924

Illinois.

State fair awards, 688

University, exhibition of corsage bouquets, 735

University, floral designing, 1326

Illinois State Florists' Association, 190, 359

India, forestry, 772

Indiana.

State fair, 579

State Florists' Association, 579 (picnic), 984

Indiana State Horticultural Society, 1330

Indianapolis, Ind., 32, 579, 746, 757, 984

International Flower Show. See National Flower Show.

Invoice, conditions of, 140
Iowa, Soldiers' Home, 172
Iowa Seed Dealers' Association, annual convention, 766

J

January seed sowing, 1481

Japanese stone lantern at Elm City Nursery Co.'s, 526

Japanese table decoration, 4

Jenkintown, Pa., 629, 684

Johnson, C. W.

Carnation feeding, 1431

Carnations: after the planting, 62

Carnations: early planting, 7

Carnations: most trying season (Christmas), 1197

Carnations: propagating, 63, 1487

Carnations: timely (Dec.) suggestions, 1137

Carnations: when to bloom, 111

Chrysanthemums: busy season at hand (September), 525

Chrysanthemums: ceaseless care necessary, 6

Chrysanthemums: notes of novelties, etc., at American Institute Show, 961

Chrysanthemums: propagating, 6

Cottage Gardens Co., 1201

Early selected chrysanthemum buds, 687

Establishment of Dailedouze Bros., 1201

Establishment of John N. May, 1201

Exhibition chrysanthemum blooms and seedlings, 792

Heating and ventilating for carnations, 576

Newer varieties of chrysanthemums, 1024

Pinching out side growths on chrysanthemums, 368

Portrait, 185, 947

Review of the chrysanthemum season, 1276

Scales for judging chrysanthemums, 576

Specimen chrysanthemum plants for exhibition, 629

Stocks, 8

Temperature and ventilation for chrysanthemums, 686

Totty's greenhouses, 1023

Johnson, Frank, portrait, 188

Johnstown, Pa., 242

Joliet, Ill. See Chicago Carnation Co.

Jones, Percy, store interior and business, 530, 531

K

Kansas City, Mo., 900, 1210, 1241, 1254

Kanst, E. A., portrait, 182

Kanst, Fred., portrait, 185

Kasting, Wm. F., portrait, 177, 280

Keller, F. J., portrait, 899

Keller, W. L., portrait, 899

Keller's, J. B., Sons' exhibit at Rochester Florists' Association Fall Show, 955

Kendel, W. F. A., death, 870

Kennedy, Martin, death, 743

Kentucky Society of Florists, 470 (outing group).

Kentucky State Fair awards, 633

Kentucky State Horticultural Society, 1454

Kenyon College arboretum, 1310

Kidd, Jas. B., death, portrait, 1489

Kidwell, J. F., portrait, 182

Kift, Robert.

Establishment of Robert Scott & Son, 1329

New idea in retailing, 682

Summer flowers in design work, 170

The Robert Craig Co., 964

See also Retail trade notes.

Kinnison, D. B. Seed corn scare, 36

Kleinheinz, Wm. Scales for judging chrysanthemums, 577

Klingel, F. G., portrait, 188

Klunder, A. E.

Autumn table decoration, 575

Cotillion decoration, 626

Cotillion supper table, 626

Directoire wreath, 1192

Halloween suggestions, 790

Hunt dinner decoration, 574

Table decorations, 734

White ball room decoration, 735

Klunder, Hen. E.

Corsage bouquet, 414

Horseshoe corsage bouquet, 734

Kroeschell, W. L., portrait, 183

Kroeschell Bros., shipping a large boiler, 10

Kruchten, John, portrait, 186

Kuehn, C. A.

Ice box in store, 367

Store, interior, 366

Store, exterior, 365

Kunst, Peter, death, 1143

L

Ladies' Society of American Florists.

Announcement of annual meeting, 190

Annual meeting, 291

Lake Forest, Ill., estates and gardens, 165, 166

Lake Geneva, Wis., estate and gardens, 167

Lancaster, Pa.

Florists, group, at Manheim, 1434

Florists' Club, 602, 904, 1280, 1454

Notes, 942

Landreth, Leopold, death, 1143

Lange, A., advertising, 467

Langhans, A., funeral flowers, 467

Langhans, T. P., portrait, 419

Lauch, Peter, death, 1143

Laurel, 1082

Lautenschlager, F., portrait, 188

Lawn mower, new, 1356

Lawns, flowers for (J. T. Temple), 1432

Laxton Bros.' fruit exhibited at Royal International Exhibition, 469

Le Mout, Adolph, death, 10

Lenox Horticultural Society, 895 (fall show)

Leonard, S. F., portrait, 186

Lettuce.

Growing, 558, 928

Plants, 1062

Lewisla Howellii, 164

Lewisohn, Adolph, three bush chrysanthemums, 897, 946

Lewistown, Pa., 369

Lilacs.

Double flowered, 9

Forcing, 523

Lilies, 733, 1429

Formosa for Easter, 1335

Lily of the valley, 1021

Lima beans in Cebu, 1114

Lincoln Park, Chicago.

Conservatory, 164

Linnaeus statue, 180

Linnaeus statue in Lincoln Park, Chicago, 180

Lobelia tenuior, 70

Lonicera alpigena, 116

Lord & Burnham's western factory, 1206

Los Angeles, Cal., 647

Louisville, Ky., 77, 170, 179

Loveless, A. J. Chrysanthemum judging scales, 628

Loveridge, Chas., portrait, 189

Luck, Julius, portrait, 65

M

McAdams, Andrew, portrait, 185

McCormick, C. F., portrait, 182

McCormick, Cyrus H., Estate, 166

McCor, Mrs. L. W., wreath for late Emperor of Japan, 415

McCullough, J. Chas., 924

McDonnell, Patrick, death, 1364

McElwell, Mrs. R. A., garden, 166

McKeesport, Pa., 408

McKellar, C. W., portrait, 185

McKinley tomb, 683

McLellan, E. W., exhibits at San Francisco Fall Show, 950, 951

McNary, J. W., death, 1489

Madison, N. J., 1400

Magnolia leaves, 1082

Manheim, Pa., 1434

Maple sugar, 1176

Marguerites, 414

Benches, 1487

Market gardeners' notes, 40, 94, 144, 248, 330, 396, 448, 504, 558, 610, 660, 716, 770, 822, 874, 928, 1002, 1062, 1114, 1174, 1254, 1310, 1362, 1414, 1466, 1518

Marshall, Jacob F., greenhouse, 9

Martin & Forbes Co.

General display at Portland (Ore.) show, 1086

Prize orchid display at Portland (Ore.) show, 1084

Massachusetts Agricultural College, annual chrysanthemum exhibition, 1030

Massachusetts Horticultural Society.

Annual exhibition, 967

George Robert White medal of honor, 1203, 1208

Prizes awarded, 664

Prizes for gardens, 1208

Matthews, W. G.

Children of, 632

Designs for funeral of Wilbur Wright, 574, 575, 842, 843

Maule, Wm. H., business progress, portrait, 712

Maxwell, Joshua I., death, 930

May, John N.

Establishment, 1201

Portrait, 947

May, L. L., portrait, 793

Meetings, calendar, 13, 192, 298, 371, 470, 580, 634, 796, 848, 1033, 1088, 1144, 1385, 1437, 1491

Melon seeds of China, 1460

Mentor, O., 1446

Michigan seed crops, 550

Miesem, John.

Portrait, 1279

Sketch, 1328

Mignonette, 173, 681

Milk non-warranty in England, 1408

Miller, W. R., death, 743

Millwaukee, Wis., 20, 228, 293, 537, 754, 1042, 1146, 1235, 1241, 1394, 1495

Minneapolis, Minn.

Notes, 20, 314, 1146, 1280, 1489

</

Montreal, Can.
Gardeners and Florists' Club, 14 (picnic), 487, 805, 1108, 1144 (anniversary), 1280
Horticultural Society, 589 (annual exhibition)
Notes, 14, 487, 589, 805, 1108, 1116, 1280, 1401
Moonseed poisonous, 1205
Morris County (N. J.) Gardeners' and Florists' Society, 950 (annual flower show)
Mt. Kisco, N. Y., 960
Mueret, Ed., portrait, 187
Muff, bride's, by Pelicano, Rossi & Co., 1083
Muir, S.
Christmas baskets, 1193, 1274
Christmas boxes, 1194
Mulching, outdoor, 448
Munsell, C. C., death, 1143
Murray, Jas. C., death, 743
Mushrooms.
Culture, 610
Notes, 1002

N

Narcissi, 465, 1377
Marketing blooms in France, 1198, 1201, 1202
Paper White, 109
Nashville, Tenn., 22, 488, 743, 816, 912, 1022, 1102, 1210, 1293, 1343, 1448
Nassau County (N. Y.) Horticultural Society, 22, 378, 648, 764 (dahlia exhibition), 898 (annual exhibition), 1053, 1300, 1520
National Association of Gardeners.
Announcements of annual convention, 528, 968
Annual convention, exhibition and banquet, 1086, 1087
Bowling announcement, 795
Ebel, M. C., paper on the achievements of, 740
Executive board meeting, 1488
National Council of Horticulture, 90
National Flower Show for 1913.
Additional prizes, 530, 1202
Announcement as to growing foreign exhibits, 420
Announcements from publicity committee, 474, 632, 794
Premiums, additional, 1144
Report of S. A. F. committee on arrangements, 286
Space for selling flowers, announcement, 1490
Totty, C. H., on, 1083
Trade exhibition, 1202
Navel orange, 560
Nebraska.
Seed crops, 498, 550
State Horticultural Society and State Florists' Society, 1489
Nemesias, blue, 1349
Neun, H. C., exhibit at N. Y. state fair, 682
New Castle, Pa., 376
New Jersey Floricultural Society, 1334
New Orleans, La., Horticultural Society, 21 (election)
New York (city).
American Institute fair, 648, 961
Christmas plants, 1327
Christmas stores, 1378
Dennison's store, 704
Florists' Club, 526, 758, 894 (Thanksgiving card), 999, 1240, 1502
Horticultural Society, 897, 946 (fall exhibition, bush chrysanthemums)
Notes, 26, 82, 132, 230, 314, 382, 490, 542, 594, 618, 704, 758, 810, 862, 916, 990, 1050, 1102, 1160, 1240, 1298, 1348, 1400, 1452, 1502
Thanksgiving in stores, 1140
New York and New Jersey Association of Plant Growers, 1503
New York State Federation of Florists' Clubs, 132, 528, 1490
Newark, N. J., National Association of Gardeners, 1086, 1087
Newark, O., 594
Newcomb, Robt., portrait, 184
Newport, Pa., 146
Nichol, W. S., death, 1031
Non-warranty in England, 1408
Norfolk, Va., 1458
Norris, Ed. A., Autumn thoughts (poem), 626
North Shore Horticultural Society (Ill.), 128
Northampton, Mass., 1344
Northern Indiana Florists' Association, 847
Northern Westchester County (N. Y.) Horticultural and Agricultural Society, annual flower show, 960
Nursery law drastic, 506
Nursery stock.
Mails, 96
Quarantine law enforcement, 420, 442, 450, 476, 824, 876
Nursery trade notes, 42, 96, 146, 250, 332, 398, 450, 506, 560, 612, 662, 718, 772, 824, 876, 930, 1004, 1064, 1116, 1176, 1256, 1312, 1364, 1416, 1468, 1520

O

Oak: King's tree in Central Park, N. Y., 294
Oechslin, Frank.
Begonia Gloire de Lorraine, 1198
Portrait, 182
Office housecleaning, 57
Ohio Horticultural Society, 131, 582, 634, 1028 (first exhibition)
Oil heating apparatus, 294, 370

Oklahoma City, Okla.
Notes, 20, 84, 228, 342, 433, 666, 1294, 1397
Wheeler Park, 116
Ollinger, Edw. A., portrait, 189
Ollionles, France, 1201
Olson, F. J.
Concrete building, 845
Greenhouses, 845
Store interior, 1485
Olsen, Chr., Denmark, business and portrait, 1306
Olson, O. J., portrait, 793
Omaha, Neb., Florists' Club, 475 (ladies and bowlers at picnic), 1518 (annual meeting)
Onions in Texas, 442
Oranges.
Navel, 560
Otaheite, 842, 1137
Orchids.
Basket of Pelicano, Rossi & Co., 953
Calanthes, culture (E. O. Orpet), 1195
Calanthes, house of, 1195
Case exhibited by L. Burk at Philadelphia exhibition, 948
Cleveland show, 1028
Exhibits at Portland (Ore.), show, 1084
Holm & Olson's display at St. Paul show, 956
Miltonias at London show, 59
Notes, 1195
Prize exhibit of J. C. Carbone at San Francisco, 1277
Wanamaker display at Philadelphia exhibition, 948
Orpet, E. O.
Calanthes, 1195
Transplanting forest-grown evergreens, 1384
Osgood Mrs. Catherine, death, 181
Otaheite oranges, 842, 1137

P

Pacific Coast Horticultural Society, 180; 490 (picnic); 590; 846; 950-954, 1022, 1023 (fall show with views; 1277 (prize winners)
Packing, 1273
Materials, 506
Page, Chas. N.
Parcels post regulations, 1058, 1170
Vacation, 1170
Page, Robt. N., on free seeds, 322
Palmer, Wm. J., 1280
Palmer, W. J. & Son, exhibit at Buffalo flower show, 1025
Palms.
Crowding to be avoided (W. H. Taplin), 366
Cultural notes (W. H. Taplin), 1136
Phoenix, retubbing, 1137
Pansies, 57, 522
Papoute, Saml., death, 146
Parasol for ballroom, 1022
Parcels post.
Bourne bill, 34, 90
Endorsement of H. R. Bill 26006 by S. A. F., 357
General provisions, 1325
Premium on lying, 1510
Requirements, 902, 1058, 1170
Seedsmen and (W. F. Therkildson), 1320
Success, 1436
Parks.
Buffalo, 1487
Chicago, 163, 164, 165, 180
Chicago, examinations, 978, 1193
Oklahoma City, 116
Pasadena Horticultural Society, 896 (annual fall show)
Patten & Co., 1026, 1052
Peas.
Crop conditions July 19, 34
Idaho, 924
Peas and beans, 498
Pelargoniums, 1
Scented-leaved, 633
Pelicano, Rossi & Co.
Orchid basket, winning the John C. Carbone cup at San Francisco fall show, 953
Table decoration, 1023
Winning designs (bouquet and muff) at Pacific Coast Horticultural Society, 1083
Pennsylvania Horticultural Society, 582; 806; 948, 949 (fall exhibition with views)
Peonies, 465
Peoria, Ill., 1448
Pepper, John W.
Estate, with views, 684, 685, 686, 687
Pergola on estate, 629
Perennials.
Hardy, fall planting, 794
New hardy, 65
Pergolas.
Estate of J. W. Pepper, 629
Washington Park, Chicago, 165
Peterson, J. A. & Sons.
Asplenium nidus, 1134
Dracena Victoria, 1135
Peterson, P. W., portrait, 189
Peterson, Wm. A., portrait, 188
Philadelphia Florists' Club, 434, 1502
Philadelphia, Pa., 26, 78, 127, 230, 382, 434, 478, 537, 582, 592, 636, 646, 702, 706, 746, 756, 806, 808, 846, 860, 911, 914, 967, 988, 1032, 1098, 1141, 1162, 1238, 1296, 1300, 1344, 1346, 1384, 1448, 1450, 1500, 1520
Piereson, A. N., Inc., new rose Milady, 962, 963
Piereson, F. R., Co., exhibit at S. A. F. convention, 358
Piereson, Paul M., 991
Piereson, W. R., portrait, 947
Pieser, E. E., portrait, 187

Pieters-Wheeler Seed Co., 1248
Pilcher, W. J., new greenhouses, 1489
Pillsbury, I. L., prize decorated automobile, 1082, 1083
Pittsburg, Pa., 132, 179, 314, 378, 429, 504, 540, 701, 804, 847, 904, 984, 1046, 1282, 1444, 1503
Pittsburg Cut Flower Co., establishment, 419
Plant growers, suggestions for, 1, 57, 109, 413, 465, 521, 573, 625, 681, 733, 789, 841, 893, 1021, 1377, 1429, 1481
Plant notes, 173, 963
Plants.
Baskets, 1189
Breeding and evolution, 1490
Decorative, 465
Decorative for Christmas, 1134
Diseases, two imported, 578
Fruited, 1135
Poehlmann, Adolph, portrait, 185
Poehlmann, August, portrait, 175, 1378
Poehlmann, John, portrait, 184
Poehlmann Bros. Co.
Plant business, 530
S. A. F. visit to plant, 290, 360, 361
Store during S. A. F. convention, 285
Poinsettias, 1, 413, 733, 1022, 1133, 1377
Pulcherrima, 1134
Portland (Ore.) Floral Society, 1084, 1085 (annual show, view, orchid displays)
Portraits of Chicago florists, etc., 178, 182-189
Postage on catalogues, 602
Potash, 110
Potato wart, 575
Potatoes.
Crop heavy, 602
For automobile tires, 1205.
Importation of American into Germany forbidden, 660
Seed change, 40
Spraying, value, 1002
Yield lowers price, 770
Poultry and market gardening, 1310
Pratt, Arthur D., Corn on the cob (poem), 423
Prepared flowers, 1190
Prices.
Christmas flowers, 1436
Cut flowers, wholesale, (July 24) 23, 24, 25, 27, (July 31) 79, 80, 81, 83, (Aug. 7) 129, 130, 131, 133, (Aug. 14) 227, 228, 229, 231, (Aug. 21) 311, 312, 313, 315, (Aug. 28) 379, 380, 381, 383, (Sep. 4) 431, 432, 433, 435, (Sep. 11) 487, 488, 489, 491, (Sep. 18) 539, 540, 541, 543, (Sep. 25) 591, 592, 593, 595, (Oct. 2) 645, 646, 647, 649, (Oct. 9) 701, 702, 703, 705, (Oct. 16) 755, 756, 757, 759, (Oct. 23) 807, 808, 809, 811, (Oct. 30) 859, 860, 861, 863, (Nov. 6) 913, 914, 915, 917, (Nov. 13) 987, 988, 989, 991, (Nov. 20) 1047, 1048, 1049, 1051, (Nov. 26) 1099, 1100, 1101, 1103, (Dec. 4) 1159, 1161, 1162, 1163, (Dec. 11) 1237, 1238, 1239, 1241, (Dec. 18) 1295, 1296, 1297, 1299, (Dec. 25) 1345, 1346, 1347, 1349, (Dec. 31) 1397, 1398, 1399, 1401, (Jan. 8) 1449, 1450, 1451, 1453, (Jan. 15) 1499, 1500, 1501, 1503
Designs, 522
Indoor fruits and vegetables, (July 22) 40, (Oct. 7) 716, (Oct. 14) 770, (Oct. 26) 281, 874, (Nov. 2) 4, 928, (Nov. 9, 11) 1002, (Nov. 16, 18) 1062, (Nov. 23, 25) 1114, (Nov. 30, Dec. 2) 1174 (Dec. 9) 1254, (Dec. 14, 16) 1310, (Dec. 21, 23) 1362, (Dec. 28, 30) 1414, (Jan. 11, 13) 1518
Primulas, 963, 1134
Profits, division of, 294
Propagation, fall, 521
Publicity campaign for flowers, 178, 1436
Pueblo, Colo., 1454
Pulham, Messrs., rock and water garden at London exhibition, 61
Pyfer, A. T., portrait, 187
Pyrethrums, 109

Q

Quarantine inspection officials, list, 1416
Quarantine law enforcement, 420, 442, 450, 476, 824, 876

R

Racine, Wis., 485
Raedlein Basket Co., exhibit at S. A. F. convention, 357
Railway Gardening Association.
Announcement of annual meeting, 94
Annual meeting, 379
Railway stations, driveways to (C. J. Andrews), 422
Rain (poem), 292
Raleigh, N. C., 1406
Randall, A. L., portrait, 184
Ranunculus, 522
Ravinia Park, Chicago.
Luncheon, S. A. F., 362
Races, 359, 364
Reading, Pa., 382
Reimers, Chas. W., death, 1088
Reimers, Mrs. M. D., 77, 170
Reinberg, Geo., portrait, 186
Reinberg, Peter.
First greenhouse, 173
Portrait, 183, 1492
Reisner, Saml., death, 1489
Resinous plants, propagation, 1348
Retail trade (Fox, C. H.), 1482

Retail trade notes (Rohr. Kift), 2, 58, 110, 170, 414, 466, 522, 574, 626, 682, 734, 790, 842, 804, 1022, 1083, 1140, 1190, 1274, 1326, 1378, 1430, 1482

Retailing, new idea in (R. Kift), 682

Retailing cut flowers (I. Bertermann), 967

Retailing cut flowers by the box, 1190

Reynolds, A. E., portrait, 322

Rhinebeck, N. Y. See Snyder, J. H., and Von der Linden, J.

Rhodes Scholarship, Illinois examination, announcement, 690

Rice, M., & Co.
Establishment, 177
Exhibit at S. A. F. convention, 356

Rickards Bros., 498

Riegan, Mrs. Barbara, death, 10

Ringier, Arnold, portrait, 186

Ritter, H. H., 1436

Riverton, N. J. See Dreer, Henry A., Inc.

Robertson, D. A., portrait, 184

Robinson, J. C., Seed Co., 559

Rochester, N. Y.
Centenary, 630
Floats in Centenary parade, 630, 631
Florists' Association, 898, 954, 955 (annual show); 898, 899 (officials)
Notes, 79, 144, 179, 293, 527, 648, 704, 742, 810, 862, 922, 990, 1051, 1102, 1210, 1304, 1416, 1452
Vick interests consolidate, 238
Yucca stenophylla at Highland Park, 62
See also Vegetable Growers' Association

Roebers, Julius, Co., establishment, 1141

Roland, Thos., portrait, 1379

Rose temple, 117

Rose tree centerpiece, 415

Roses
Bagatelle, new, 9
Caring for the plants, 366
Christmas trade, 1275
Compost for, 1138
Dreer trial grounds, 4, 5, 6, 7, 8
Fire Flame, grown by Robert Scott & Son, 1329
French tree, winter care, 790
Grafting, 1379
Harvey Kirk at Dreer's trial grounds, 7
Heating system, 365
Janet, grown by Robert Scott & Son, 1329
Killarney Brilliant, 117
Milady, 476, 744 (registration); 962 (bloom); 963 (house, A. N. Pierson, Inc., and description)
Miss Leon Pain at Dreer's trial grounds, 7
Mrs. Chas. Russell at Waban Conservatories, 739
Mrs. Charles Russell, blooms and description, 1025
Mrs. Charles Russell, registration, 795, 1144
Mrs. Hubert Taylor at H. A. Dreer Co., 4
New to date (E. G. Hill), 738
Night fring, 685
Outdoor, 789
Rambler, 841, 1429
Rose made of roses, 1083
Roumella, 1203
Staking and disbudding, 8
Sunburst (C. H. Totty), 796
Tying and disbudding, 1138
Young stock, 326

Rossi, A. J., portrait, 950

Rott, A. C., church decorations, 846

Roumanila, vine culture, 1256

Roumella, roses of, 1203

Royal International Exhibition
Fruit exhibit by Laxton Bros., 469
Hardy herbaceous and Alpine plants, 60
Orchid tent, with Miltonias, 59
Rock and water garden, by Pulham, 61
Rock and water garden, by Wallace & Co., 60

Rudd, W. N., portrait, 183

Rupp, N. J., portrait, 189

Russian experiment stations, 1138

Russian Horticultural Exposition, 1280

Ryerson, Edw. L., garden, 166

S

St. Louis, Mo.
Florists' Club, 22 (picnic), 226, 536, 742, 1044, 1498
Notes, 21, 76, 117, 226, 308, 376, 427, 484, 536, 586, 641, 700, 742, 805, 858, 919, 980, 1044, 1090, 1148, 1235, 1202, 1344, 1394, 1444, 1498

St. Paul, Minn.
Notes, 232, 376, 474, 587, 808, 800, 1146
See also Minnesota State Florists' Association

Salt Lake City, Utah, 84, 698

Salter Bros., exhibit at Rochester Florists' Association Fall Show, 954

Samuelson, C. A., portrait, 183

Sanders Nurseries, reception room in store, 170, 171

San Francisco, Cal., 76, 180, 310, 377, 490, 500, 644, 816, 1056

Sap, ascent of, 560

Sargent, Prof. C. S., medal, 1203

Sash houses, 1362

Sawdust manure, 70

Schmidt, C. C., 467

Schoenfeld, Gustavus, death, 795

Schoenle, Chas. E., death, 901; resolutions, 1044

Schueneemann, Herman, death, portrait, 1207

Schupp, Philip, portrait, 186

Schwartz, E. H. Ants in greenhouses, 5

Scott, Robert & Son, establishment, with illustration of roses and gardenias, 1329, 1330

Seed bill, 140

Seed corn scare, 36

Seed importation act, hearing, 1170

Seed trade notes, 34, 90, 140, 238, 322, 390, 442, 498, 550, 692, 656, 712, 766, 818, 870, 924, 998, 1058, 1110, 1170, 1248, 1306, 1356, 1408, 1460, 1510

Seeds
European crops, 766, 818
Free, 998, 1170
Free, bids for, 1510
Free, confiscated, 766
Free, R. N. Page on, 322
Government samples, 34
Mail order vs. box, 656
Packaged, tests (B. T. Galloway), 602
Planter, new, 390

Selling stock, 1273

Sesame culture in the South, 843

Shaffer, G. C., decorated automobile in Washington parade, 525

Sharon, Pa., 388

Sharon Hill, Pa., 1329

Sherman, Frank Dempster, Autumn leaves (poem), 1088

Shibuya I. Ishida, chrysanthemums at San Francisco show, 1277

Shrubs
Fall planting, 794
New Chinese in Arnold Arboretum, 42
Pruning, 2

Shutz, Arthur, store interior, 114

Siebrecht, Wm. H., portrait and sketch, 1279

Sinner, John, portrait, 188

Sioux City, Ia., 579

Sistersville, W. Va. See Houston, E., & Co.

Sludge for Canadian fruit growers, 1064

Small, Mrs. Mary A., death, 293

Smilax, 59

Smith, Byron L., Estate, 166

Smith, Elmer D.
Care of cut chrysanthemum blooms, 1198
Chrysanthemum characteristics affecting propagation, 1276
Chrysanthemums: burning and damping, 62
Chrysanthemums: recent introductions, 844
Chrysanthemums: selection of buds, 63
Chrysanthemums: stem and foliage, 1024
Climatic influences on chrysanthemums, 791
Diseased chrysanthemum foliage, 1198
Feeding chrysanthemums, 630
Insects on chrysanthemums, 470, 471
Preparing and packing chrysanthemums for exhibitions, 790, 791
Revised classification of chrysanthemums, 524
Scales for judging chrysanthemums, 525
Stock plants of chrysanthemums, 1198

Smith, Elmer D., & Co.
Bench of Chrysolora chrysanthemums, 791
Chrysanthemum novelties, 958-961
Florists at, Oct. 29, 961

Smith, Wm. R.
Monument proposed, 12, 356
Resolutions, 230
Tribute and resolutions, S. A. F., 284, 285

Smyth, W. J., Christmas basket, 1196

Snyder, Jas. H., violet houses, 577

Society of American Florists
Amendments to constitution (W. N. Rudd), 161
Announcement of annual convention, 118
Annual convention programme, 11, 67
Annual convention, exhibit of Robt. Craig Co., 284
Annual convention, general views of exhibition hall, 283, 354
Annual convention, partial views of exhibits, 282, 355
Annual convention proceedings, 277, 353
Baseball, 362, 363
Baseball team, 363
Bowling tournament, etc., 362, 363
Cannas, registration by Conard & Jones Co., 795, 1144
Chicago's convention of 1887, 162
Convention exhibition, 117, 280
Convention sports, notice, 12, 68
Convention sports, program, 181
Novelties at convention, 359, 414
Races, 359, 363, 364
Registrations for the year, 283
Rose registrations, 476, 744, 795, 1144
Souvenir album, 528
Sweet peas, registration, 1332
Visit to Pochmann's, 290, 360, 361
Visitors registered at annual convention, 291, 369

Solla, study of, U. S. Dept. of Agriculture, 1208

South Africa wants seed samples, 140

South Auburn, Neb., 644

Southampton Horticultural Society, 645, 758, 1294

Southwestern Iowa Horticultural Society, 1314

Spangler, Wm. H., death, 66

Spanner, D. A., death, 527

Spaulding, Perley, 578

Spreas, 9, 1481

Japanica, 842

Spray, crepe (plate), 1326

Spraying notes, 330

Square deal
Baker, W. J., on, 110
Bill, the boss, on, 58
Square deal for retailer (W. H. Culp), 2
Squire, Willis C., on oil heating apparatus, 264
Stahelin, A. J., range at Redford, Mich., showing movable greenhouses, 736, 737

State fairs. See Fairs

Statue wreaths, duty on, 367

Stein, A. O., Dresden table decoration, 1022

Stevia, 59, 894

Stewart, Wm. J., portrait, 964

Stiles-Jervey wedding, 688

Stocks, best bloomers (C. W. Johnston), 8

Street car accident, 1208

Street sweepings as a fertilizer, 172

Stringer, H. B., portrait, 899

Stuart, Prof. Wm., Carnation breeding, 111

Stump, Geo. M., Christmas baskets, 1192, 1275

Sugar maple, 1176

Sultana centerpiece, 58

Summer
As summer fades (poem), 277
Flowers in design work (plate), 170, 172

Swanson, A. S., portrait, 792

Sweet, F. H., August (poem), 161

Sweet, Geo. A., death, 1088

Sweet corn, marketing, 144

Sweet peas, 413, 521
Christmas, 466
Diseases: questions sent growers, 469
Early flowering (A. A. Elliott), 1085
Spencer, origin, 1328
Spencer type, winter flowering, registration by Zvolanek, 1332
Winter-flowering, 962

Swift, L. F., estate, 165

Sykes, Geo., portrait, 189, 1206

System, 1274

T

Table decorations
Autumn, 575
Bull frog centerpiece, 842
Christmas, 1274
Cotillion supper, 626
Garden forget-me-nots, 734
Green, 734
Green and white, 59
Hunt dinner (A. E. Klunder), 574
Japanese, 4
Pink dinner, 467
Prize, by Pelicano, Rossi & Co., at Pacific Coast Horticultural Society, 1023
Prize Dresden, by A. O. Stein at Pacific Coast Horticultural Society, 1022
Rose made of roses, 1083
Sultana centerpiece, 58

Tacoma, Wash.
Dahlia Society show, 527
Notes, 26, 324, 589, 1447

Tags for florists, 574

Tait, J. C., 294

Taplin, W. H.
Carnation stem-rot and other troubles, 575
Carnations: heating, syringing, fumigating, 1026
Carnations: preparing for next year, 7
Christmas carnation crop, 1196
Ferns: two novelties, 627
Ferns, rest period, 1488
Florists' dracaenas, 1380
Palms: avoid crowding, 360
Palms, cultural notes, 1136
Transferring carnations to greenhouse, 367

Tariff hearings, 1510

Tarrytown (N. Y.) Horticultural Society, 958 (annual exhibition)

Taubenhaus, J. J. Questions sent to sweet pea growers, 469

Teasel, 1351

Telegraph delivery, 848

Telling, W. E., 370

Temple, John T.
Death and portrait, 1435
Flowers for garden and lawn, 1432

Terre Haute, Ind.
Florists' Club, 440 (picnic)
Notes, 440, 1237

Texas onions, 442

Thanksgiving
Card (advertising) of New York Florists' Club, 894
New York stores, 1140

Then, Anton, portrait, 187

Theckildson, W. F. Seedsman and the parcels post, 1326

Thilow, J. Otto
Gardeners and Florists' Clubs of America, 965
Portrait, 965

Thomas, Sadie A., chrysanthemums at Pasadena show, 896

Thompson, Wm. W., death, 579

Toad (verse), 1350

Tobacco smoke on plants, 6

Toledo, O., visit from Detroit florists, 631

Tonnes
Blight, 94
Fall, 396
Giant, 94
New, 1414

Tonner, Miss Olga, portrait, 220

Toronto, Can., 82, 386, 996

Totty, C. H.
Address at annual meeting Chrysanthemum Society of America, 945
Chrysanthemums, judging scales, 628
Establishment, 1023
Exhibit at Cleveland show, 1028
National Flower Show of 1913, 1083
Portrait, 947
Rose Sunburst, 796

Trees
Arnold Arboretum, new, 1139
Best for railway parks (J. K. Wingert), 631
Fragrant planting, 332
Tri-City Florists' Club, 885, 942, 1047, 1446, 1496
Tritoma Lemon Queen, 1340
Tulips, 465, 1377
Outside, 841
Tumbler baskets, 522, 626, 627
Turtan, Robt., death, 901
Tuthill, L. W. C. Advertising, 368

U

Uhrichsville, O., 531
 Uniontown, Pa., 388
 U. S. Department of Agriculture, botanical as-
 sistant wanted, 68
 Urbana-Champaign, Ill., 806, 904, 1046
 Uruguay.
 Planting trees, 332
 Studying U. S. methods, 874

V

Van Gelder, H., portrait, 186, 530
 Vases, basket, 1140, 1441
 Vaughan, A. L., portrait, 188
 Vaughan, J. C.,
 Letter on restrictive legislation by con-
 gress, 476
 Portrait, 183
 Vaughan, Leonard H., 90
 Vaughan's Gardener's Calendar, 1460
 Vegetable Growers' Association.
 Announcement of annual convention, 396
 Annual convention at Rochester with ex-
 hibits, group, etc., 472, 473
 Vegetables, improving, 600
 Veronica filifolia, 633
 Vetch, hairy, 442
 Vetches, common and hardy, 1248
 Vick, Chas. H., portrait, 899
 Vick interests consolidate, 238
 Vick's, James, Sons' float in Rochester parade,
 631
 Vinca rosea, 1378
 Vincent, Richard, Jr.
 Address at annual convention Society of
 American Florists, 278
 Portrait, 174, 1204
 Portrait with family, 1433
 Vincent, R., Jr., & Sons Co., dahlia show, 688
 Violets, 173, 573, 789
 Odorless made fragrant, 1083
 Snyder's, J. H., plant, 577
 Vonder Linden's, J., plant, 576, 577, 578
 Vogt, C. F., portrait, 793
 Vonder Linden, J., establishment 576, 577, 578

W

Waban Conservatories, Natick, Mass., rose
 Mrs. Chas. Russell, 739, 795, 1144
 Waite, W. H., portrait, 1087
 Waltesburg, Wash., Floricultural Association,
 formation, 896

Wakeman, B. J., death, 1489
 Walker, J. H., 1208
 Wallace & Co., rock and water garden at Lon-
 don exhibition, by, 60
 Wallflowers, 414
 Walsh, M. H., medal, 1203, 1208
 Walz, L. P., death, 795; portrait in garden
 with Mrs. Walz, 794
 Wanamaker display of orchids at Philadelphia
 exhibition, 948
 Washburn, C. L.
 Portrait, 184, 1205
 Portrait with chrysanthemums, 1034
 Washburn, F. L., portrait, 189
 Washington, D. C.
 Florists' Club, 230 (resolutions), 496 (pic-
 nic)
 Notes, 26, 88, 128, 378, 432, 496, 579, 640,
 662, 691, 812, 847, 901, 1002, 1052, 1142,
 1282, 1446, 1489, 1506
 Washington, Pa., 384
 Washington Park, Chicago, 288
 Pergola, 165
 Water gardens, 368
 Water lilies, some popular, 368
 Waters, T. E., portrait, 189
 Waynesboro, Pa., 134
 Weber, J. F., death, 1489
 Wedding decorations.
 Church, by J. M. Gasser Co., 1191, 1193
 Flower girl's basket (plate), 1378
 Gasser, J. M., Co., at residence of P. Cal-
 houn, 1482, 1483
 Westchester and Fairfield Horticultural Society,
 181 (outing), 538 (annual exhibition sched-
 ule), 662, 758, 1028 (fall show), 1298, 1508
 Western New York Horticultural Society, an-
 nual meeting, 1278
 Westlawn Cemetery, Canton, O., 683
 Weston, Hen., 744
 Wheel and wing design by Matthews the
 Florist, 574
 Wheeler Park, Oklahoma City, 116
 Wheeling, W. Va., 490, 606, 1448
 White pine, 1082
 White pine blister rust, 578
 Wichita, Kan., 120, 654, 940, 1242, 1446
 Wieland, Geo. C., portrait, 188
 Wienhoeber, Ernst, portrait, 183
 Wietor, Hen., portrait, 184
 Wietor, N. J., portrait, 183
 Wilcox, J. F., & Sons, new range at Council
 Bluffs, 471
 Will, Hugo, portrait, 793

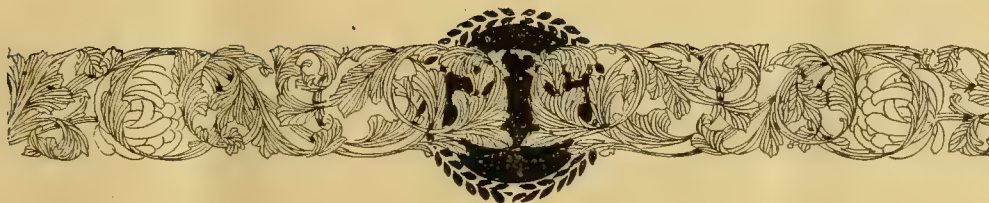
Wilshire, A. C.
 Address at annual meeting Canadian Hor-
 ticultural Association, 177
 Portrait, 64
 Wilson, E. P., portrait, 899
 Wilson, H. E.
 Exhibit at Rochester Florists' Association
 Fall Show, 954
 Float in Rochester parade, 630
 Window boxes, evergreen, 1486
 Wingert, J. K. Best trees for railway parks,
 631
 Winterson, E. F., portrait, 182, 360, 1204
 Winterson, L. H., portrait, 188
 Wirth, Theo., portrait, 279, 792
 Wittbold, Louis, portrait, 182
 Worcester (Mass.) County Horticultural Soci-
 ety, 369 (quarterly meeting), 1030 (annual
 chrysanthemum show and meeting)
 Wreaths.
 Bronze magnolia leaves with roses and
 asters, 170
 Bronze magnolia leaves with water lilies
 (plate), 170
 Christmas, 1189
 Crescent, of magnolia leaves and roses, by
 University of Illinois, 1326
 Directoire (A. E. Klunder), 1192
 Double white petunias with gladioli, 172
 Funeral of Wilbur Wright, by Matthews
 the Florist, 575
 Galax, orchids and lily of the valley for
 funeral of Wilbur Wright, 842
 Mrs. L. W. McCoy's for late Emperor of
 Japan, 415
 Standing, lilies and American Beauty roses,
 by A. Graham & Son, 895
 Statice, duty on, 367
 Wright, Wilbur, designs for his funeral, 574,
 575, 842, 843
 Wyomissing, Pa., 316

Y

Yates, Chas. L., death, 475
 Young, John, portrait, 176, 281
 Youngstown, O., 1208
 Yucatan exports, 62
 Yucca stenophylla at Rochester, 62

Z

Zanesville, O., 608
 Zech, John, portrait, 188



THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, JULY 27, 1912.

No. 1260

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST FOEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.
Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, Auditorium Hotel, Chicago.
Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., 1913. WILLIAM SIM, Cliftondale, Mass.,
President; HARRY A. BUNYARD, 342 W. Four-
teenth street, New York, Secretary.

CHRYSANthemUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., August 13-16,
1912. PATRICK FOY, Roanoke, Va., President; J.
E. BUTTERFIELD Lee's Summit, Mo., Secretary
and Treasurer.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at
Milwaukee, Wis., August 20-22, 1912. JOHN J.
STEPHENS, Columbus, O., President; BELLETT
LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Next meeting at Boston, Mass., August 12-14,
1912. W. H. DUNN, Kansas City, Mo., President;
F. L. MULFORD, Washington, D. C., Secretary
and Treasurer.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Chicago, August
20-23, 1912. I. S. HENDRICKSON, Floral Park, N. Y.,
President; L. MERTON GAGE, Groton, Mass., Sec'y

SUGGESTIONS FOR PLANT GROWERS.

Poinsettias.

The time for propagating poinsettias is approaching the end, but cuttings struck at this time will make the best plants for the low pans, and all the cuttings possible should be placed in the propagating bench or frame at once. Stock rooted after September 1 will not prove satisfactory at the holiday season. As soon as rooted they should be potted in 2½-inch pots in a compost composed of three-fourths soil and one-fourth rotted manure. As soon as the night temperature drops below 60° the plants should be removed to the houses and given a light position. As they grow space them out so that they will not become crowded and drawn, a short jointed growth being desirable. While poinsettias can be grown in a cooler temperature, at about 50°, the bracts will not be as large and they will not be in bloom at Christmas. The cause of more failures with these plants is a variable temperature—60° at night gives the best results, and do not allow the temperature to fluctuate, or a loss of leaves will result.

Pelargoniums.

The great improvement in the varieties of the zonal geraniums during the last fifteen years has gradually pushed the show pelargoniums into the background, but there is no handsomer conservatory or house plant for late spring and early summer than these old time favorites, and the plant grower should always have a few of these every season. If there is no stock wait until September and buy from those who have, and purchase the large flowering varieties and a good assortment of colors. Those who have some good stock plants that are nearly through blooming can begin to dry them off, but do not go to extremes, do not dry them enough to turn the foliage yellow. About the middle of August the plant may be cut down and pruned back very severely, leaving only two or three eyes on each shoot. The wood that is cut off should be made into cuttings and every piece will root, if cut into two

or three eyes. Insert the cuttings in the propagating bed and keep them well shaded, and not too wet but keep the sand moist. They will root in about three weeks and then should be potted and as soon as they require it a shift made into 4-inch pots. Encourage them to make all the growth possible until November, when they should be placed in a cool house, with a temperature of 40° to 45° and preferably on a shelf near the glass. At the end of February or early in March they should be potted in 6-inch pots, when they will make rapid growth and flower the following May and June.

Calias.

The bulbs of callas will be arriving shortly and everything should be in readiness to start them if it is desired to have blooms in the fall. They can be grown either in benches or in pots, many prefer pot culture, claiming that the bulbs produce more flowers when grown in this manner than when in benches, but the larger flowers are grown in the latter. But whichever way they are to be grown through the winter, the culture at the outset will be the same. The soil should be one-third rotted cow manure and two-thirds good soil and if the soil is of a clayey texture the mixture will stand a liberal addition of sharp sand to keep it open. Pot the bulb in a pot just large enough to hold it and be sure and have good drainage. While the calla is a moisture loving plant and absorbs lots of water it will quickly take on a sickly look if the drainage becomes blocked and the soil becomes soaked with stagnant water. After potting, the plants should be plunged outside, preferably in a cold frame, and if standing in the direct rays of the sun a mulch of short grass, such as lawn mowings or old straw, will prevent the pots from drying out too rapidly and consequently less frequent watering will be required until the roots begin to grow in the soil. As soon as the growths appear the mulch should be removed. The plants can be left out in frames until the middle of September, when they should be

removed to the houses and potted into larger sizes or planted in the benches. The old bulbs that bloomed last year can be shaken out and treated in a similar manner. Be sure before potting these to remove all the small bulblets from the old bulbs. If it is desired to increase the stock these can be planted in a flat and they will grow into flowering roots for the succeeding year.

Pruning Shrubs.

The spring blooming shrubs are now nearly all done and the safest rule for pruning is to cut back into shape after the flowers have passed, when the shrubs begin their growth for the next season's crop of flowers. All the small weak growths should be cut out and the plants trimmed into proper shape. Unless this is attended to shrubs rapidly become a tangle of weak growths, bearing but few flowers, and grow into ungainly specimens. Too often this important work is left until too late and the blooming growth for next season is cut off with the result that there are no flowers the succeeding year. Privet hedges should be constantly pruned into shape so as to have a nice appearance and they will stand any amount of cutting as they grow very rapidly. August is the best time to trim berberis and they will need no further cutting back for the balance of the year.

ST. LOUIS, MO.—Grimm and Gorley have leased the store at 706 Washington avenue and will remove from their present location, 702 Washington on the expiration of their present lease, Dec. 6.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Retailer Asks for "Square Deal."

The paragraph recently published in THE AMERICAN FLORIST to the effect that the use of artificial flowers in preference to natural stock from storage or "pickled stock" would tend to put the "For Sale" sign on many greenhouses, furnishes the writer with a text upon which he would respectfully present a few remarks. I presume the paragraph above alluded to was particularly referring to conditions at special seasons. In fact, it is easy to believe that the last Memorial day season gave grounds for the prophecy regarding the fate of the "pickler." There is no question as to the truth of the statement. It is only history repeating itself and is in direct harmony with the law of self-protection and justice. That there is a place for artificial and "prepared" products to a moderate degree in the floral trade will be generally conceded, however. But the persistent pushing and exploiting of this class of goods will have a bad effect. No florist can stand for such stock and hold his trade or make a profit. Self defense compels him to push other goods of which there is no question of supply, grade or price.

The remedy for this trouble lies practically altogether with the wholesale grower—and it can be covered by three short words: "A Square Deal." The retail dealer cannot be blamed for wishing to avoid calamity,

and calamity to him is often the result of a heavy demand for stock, a large outlay of cash for flowers, a big rush of work and the discovery that he has been sent old or pickled stock when he opens up his shipments from the wholesaler. Often these shipments are so bad that they are not worth lifting from the boxes. I am convinced from what I have seen in boxes marked "flowers," from wholesale growers, that the most of the growers have imagination fairly well developed, therefore I would ask the wholesale grower to imagine the retail florists' feelings when subjected to such conditions as I have above briefly outlined. For each dollar paid for worthless stock the profit is taken from more than a dollar's worth of good stock sold. How much loss can he stand before the entire day's trade from which he expected so much, and which he needed so badly, has figured down to breaking even. It is quite likely that before he can "settle up" the retail florist will "settle down" to the conviction that the less he buys the better, when it comes to cut flowers.

Another point in this disappointing condition of flowers at special seasons, is the fact that many people are buyers who ordinarily do little in that line. The effect on this class of buyers is very bad for the florist's trade. These new customers are met with poor stock in the florist's store, or have their orders filled with inferior stock, or possibly it cannot be filled at all as given—in any event the impression will be made that flower buying is a gamble, and they will only indulge when they can't help it. Such



THE BOSTON EXHIBITION OF THE AMERICAN SWEET PEA SOCIETY, JULY 13-14, 1912.

A Full Report of this Exhibition Was Published in The American Florist, Pages 1509, 1510, 1511 and 1512, Issue of July 20.



THE BOSTON EXHIBITION OF THE AMERICAN SWEET PEA SOCIETY, JULY 13-14, 1912.

A Full Report of this Exhibition was Published in The American Florist, Pages 1509, 1510, 1511 and 1512, Issue of July 20.

impressions as these do not help the flower business to grow with the class of people who constitute a considerable part of every community, and in whose numbers there is the secret of success of almost every line of retail trade except the floral business. It may occur to some reader to remark at this point that lots of florists don't know how to handle stock or take care of their trade. I concede the point. But the florist who comes under the above category rarely has built up a trade sufficient to put him in the class to which we refer. Where such florists do exist the community in which they do business knows what to expect and when they are dissatisfied the remedy comes in the perfectly natural manner of the survival of the fittest.

Now for the "Square Deal." I maintain that good business judgment should tell the wholesaler, whether grower or commission merchant, that the retailer must have value received for his money. In other words his stock of whatever grade must be dependable and up to grade quality. It would be better to decline his order than to accept it promising "to do our best" and then fill with stuff that cannot by any stretch of imagination be classed as anything but bad. I claim that such handling of an order for the retailer is not "doing his best," but is "doing his customer." The plea of soft growing conditions, extra demand, and bad weather may be made, and often with truth. However, that is not the retailer's fault, and does not justify the grower in sending him stock that is

worthless. I further maintain that if there is a loss due to stock reaching the retailer in bad order the retailer should not have to stand for it. The retail florist orders a given amount of stock of certain grades or quality. The wholesale grower is in the market as a seller. It stands to reason that he agrees, by the mere fact that he offers certain goods, that he will be able to deliver those goods to his customer. Failing in such delivery in either quantity or quality bars him from receiving pay for goods or quality which he does not supply. Soft stock, bad weather, extra demand, improper treatment while in transit, may be causes to take into consideration by the wholesale dealer, but such items of risk are beyond the control of the buyer. He cannot, in most cases, even inspect the stock with which his order is to be filled. The cutting of stock, handling, packing for shipment, judgment of quality, in fact, everything vital to its condition are matters in which the consignee has nothing to say or do.

Therefore, why should he stand for goods that are not up to grade—or for goods that are spoiled upon arrival at their destination? Should it be to protect the grower from loss? Well hardly! The retailer has troubles of his own without taking up those of the wholesale man. In spite of the justice of the position I have taken in this matter, and which I think is quite clear, we still read on the invoice tickets that accompany our shipments that "these flowers were fresh when packed—were selected with care," etc., and that arrival at destination in good order is not guar-

anteed. It must take a more than ordinary gift of foresight for the chap who writes those disclaimers to look down the future and see that each individual shipment which will accompany these disclaimers will be fresh and carefully selected. The truth is, there has been so much reckless work along this line that the courts have long since declared that such disclaimers are not worth the paper they cover. In spite of all the points I have herein set forth, and I have been as brief as possible, why do we find so few wholesale shippers who will act as common sense and justice would suggest as the only square way to do business? Why does the retail florist have such a hard time usually to get a claim allowed for worthless stock—stock which is often acknowledged by the wholesale shipper to have been none too good, but instead is "the best we could do"? If it was the best he could do he still used his judgment in thinking that it would arrive fit for use. If it did not so arrive who should lose because of error of judgment? Why, the man who did the judging, of course. If he did not think it would arrive fit for use then the retailer should not have to pay for stock which the shipper knew was bad.

The writer has bought flowers in the wholesale market for at least twenty years, and has dealt with a number of firms in that time, although the bulk of the steady supply has come from some one grower on a regular order. We have usually stayed from five to ten years with a grower before circumstances would make a

change desirable. The circumstances were not always matters of quality of stock, or treatment either, but generally a change of conditions which made a change advisable. I make this statement so that I may not be mistaken for a novice who has suddenly found himself up against what is really an old story to the experienced florist. We have dealt with leading firms almost altogether and they are certainly a fine class of people. But—when it comes to a claim for bad stock received on a special order, especially if from a firm other than our regular grower, then the trouble begins. It actually seems sometimes that they think that the retailer should stand between them and loss from any cause whatever. I am not unmindful of the effects of shipping on flowers, and nothing in this communication is to be construed as a denial that there is nearly always some bruising, sometimes a few broken flowers, etc. That is not the trouble. It is when a whole lot or a considerable quantity of a shipment shows at once that they are bad and should never have been shipped. It is then that I am constrained to take up space on the printed page and ask for "A Square Deal." W. H. CULP.

A Japanese Table Decoration.

Place in the center of a highly polished round table a large brass jardiniere, fill with moss and arrange with cornflowers and heliotrope, using maidenhair ferns for around the edge and to fall over the sides of the receptacle. Then take a Japanese parasol and turn it inside out, sharpening the edge of the handle so as to place it conveniently in the center of the jardiniere. This should not be too high, but high enough to allow suspending from four corners of the parasol Japanese lanterns in which the bluish tint predominates. Fill in the parasol with marguerites and maidenhair ferns. The arrangement of the marguerites should be especially loose and sprays should extend over the edges where the lanterns are attached. Around the base of the jardiniere bank a good sized garland of maidenhair fern. If a square table is used, place a Japanese bowl filled with cornflowers on each corner, extending from each a wide sash ribbon the shade of the cornflowers to the center of the jardiniere. For favors use the covered Japanese bowls tied with a ribbon to match the cornflowers. Fill the bowls with bonbons. The tiny Japanese lantern (the smallest made) suspended from a wire wound with blue ribbon and placed in a Japanese basket filled with marguerites can be artistically arranged. The large Japanese lanterns around the parasol should be so arranged that they can be lighted. Or better still, place an electric light inside. A. E. K.

SYRACUSE, N. Y.—The annual meeting of the New York State Federation of Floral Clubs will be held here during the state fair this fall.

BOSTON, MASS.—A complimentary dinner, attended by many of the leading horticulturists of the eastern states, was given to John K. M. L. Farquhar, July 18. Mr. Farquhar, who was one of the two judges at the Royal International Exhibition in London, only recently returned from his trip across the Atlantic.

WITH THE GROWERS

The Dreer Rose Trial Grounds.

That the hybrid tea is the coming rose is made doubly sure to the doubting mind by a visit to the trial grounds of the H. A. Dreer Co. at Riverton, N. J. Almost a thousand varieties are being tried out here, many of them as yet under number being sent by the introducers to be tested, and if deserving, to receive the endorsement as well as a substantial order for the variety, which is then sent out under name. Jacob G. Eisele says that many new roses are introduced with brilliant descriptions and bearing aristocratic names that ought never to have got beyond the seedling trial grounds. A distinguished lady will visit the gardens of the foreign rose grower, and go into ecstasies over one of the seedlings. At once the variety is duly honored with her name and of course must go into the catalogue with a glowing description. The present trial grounds enable them to prove all the new ones, so that only the really good kinds shall be purchased in quantity and receive their endorsement. In this way their customer's house learns to rely on their especially mentioned varieties or combination lists which include the best of the newer introductions.

The pictures illustrating this article were made the second week in June, when there is the greatest show of bloom. Early in the morning as the sun is rising is the time to see the flowers at their best. There is at all times through the season a show of flowers, as they bloom on all the new growths,

superb yellow, Mad. Leon Pain, a light lovely pink, large flower, and the Countess of Ilchester a bright pink, a winner in every way, were among the blocks of twelve. As before stated, many of the varieties were still under number. Entries in a book containing the entire list are made by Mr. Eisele and George Clark, who take great pleasure in looking the roses over daily until they have all been checked off and their good and bad points noted. The trials have demonstrated that many sorts that have made great records on the other side do not do well here and others stand our hot climate and produce better flowers than in their native land. Mrs. Aaron Ward, Mr. Eisele says, gets a much brighter color in midsummer than in early spring. "Anyone that gets this one will remember Dreer," he said, pointing to Grossherzog Friederich, a fine double pink of La France type but not so double and Mr. Eisele says very fine. Wakefield Christie Miller is a fine large pink which is to be forced by a large grower for cut flowers. There were many others of which he spoke encouragingly. He said he went over the beds to select the best dozen with Dr. Haey, a great lover of roses, and it was no time before they had two dozen and could not agree on any that should be discarded.

Varieties that appeared to stand out when seen in flower at this time were Margaret, a magnificent pink, a finely formed flower; Geo. Hofer, very large Magenta pink; Mrs. Herbert Taylor, globular shaped, a handsome light blush pink; Mme. Segon Weber, superb loose pink, very striking; Frau Burgemeister Kirschstein, dark pink

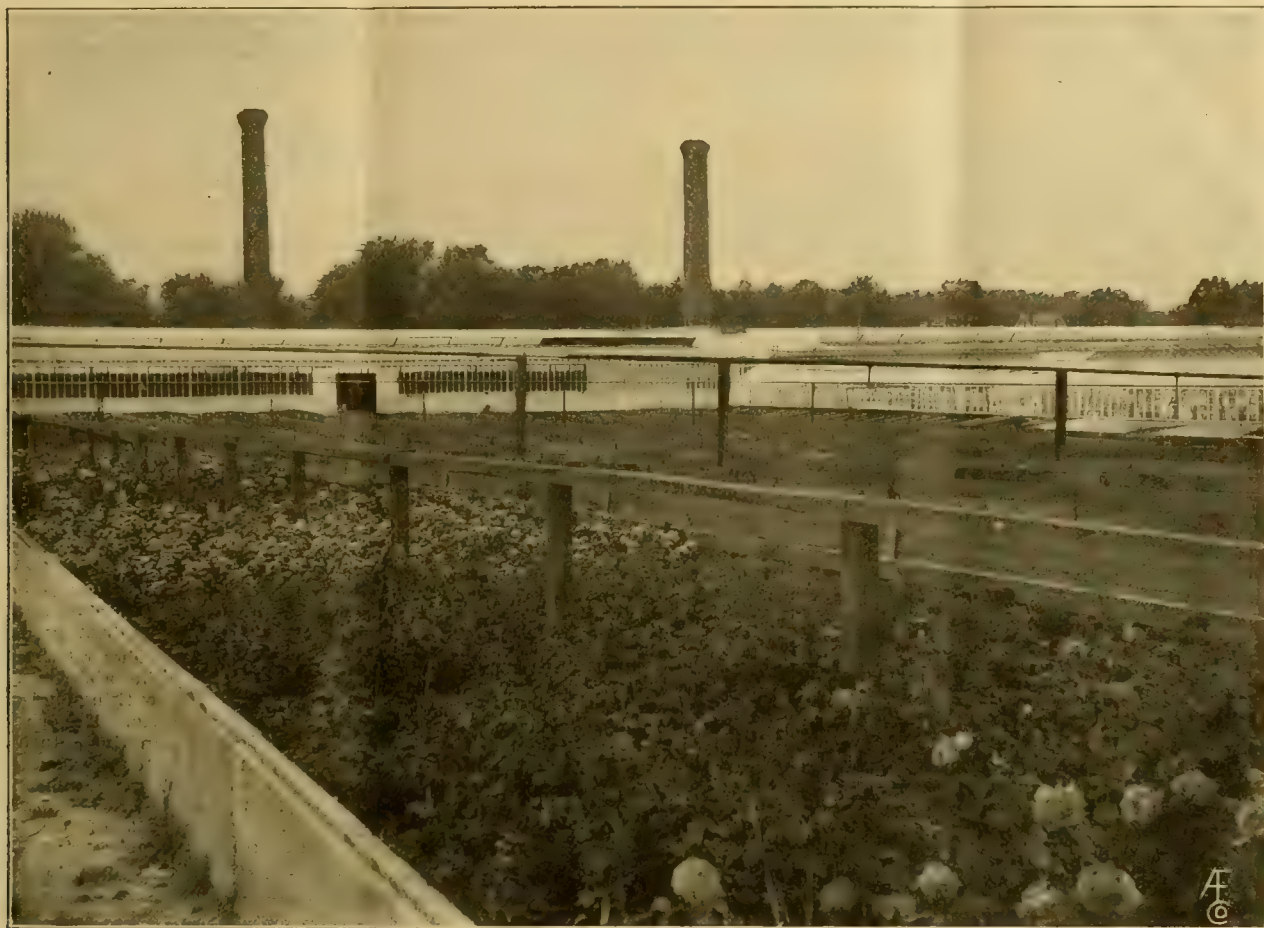


THE DREER ROSE TRIAL GROUNDS.

Some of the Mrs. Hubert Taylor Roses.

but all varieties are at their height during the first two weeks of June. Roses of great merit have been planted in blocks of twelve or more and in this way greatly impress the visitors. Mrs. Aaron Ward, with its beautiful yellow buds, George C. Ward, a very finely formed red, Harry Kirk, a

bud, opening light semi-double; Lieut. Chaure, a light red full flower, very striking; General McArthur, brilliant red, large flower; Marquise de Sinety, coppery-blush, a unique flower; The Dandy, a pretty full scarlet; Countess of Ilchester, which Mr. Eisele said is one of the first in any collection, a flat



THE DREER ROSE TRIAL GROUNDS.

A Corner of the Winter Frames for Pot Roses, at Riverton, N. I.

majestic pink very double center, truly a gem; Duchess of Wellington, a superb sulphur yellow, light center, a large flower; Mrs. Aaron Ward, yellow buds, opens nearly white, sure to be in first dozen; George C. Ward, an exquisite flower, light red in color; Laurent Carle, a beautiful scarlet; Harry Kirk, sulphur yellow, pale lemon when open. Everyone should have this rose. Mad. Leon Pain, a lovely light pink; Mons. Paul Lede, a light pink, large and magnificent when in half-bloom; Leonie Lawesch, copper and pink, yellow center, very striking; Alice Chambrion, a cluster rose, is all flowers and buds and always, Mr. Eisele says, a moss of bloom; Mme. Leon Constantin, a vigorous large bluish pink, a perfect flower; Mrs. Chas. Curtis Harrison, a fine deep pink, a long bud on long stem, very pretty; Ecarlete, a semi-red, very striking; Reine Marguerite de Italie, very free, a rather dull red; Lucien de Lewos, a very fine, bluish pink; Henry Paul, very pretty long stemmed pink, upright grower. This is but a partial list of those noted, all of which bore exceptionally fine flowers, and the description of which at best conveys nothing of the beauty and charm of the plants themselves.

Private collections of the hybrids tea class are increasing rapidly as their beauty and free blooming qualities become better known. They are handled here by the hundreds of thousands, each season's importations over topping largely that of the year before.

The hybrid rose beds were also beautiful with their wealth of bloom, but their free flowering offspring are fast leading them in popularity. Two long rows of the rambler class trained to posts were just coming into flower. They had been badly winter "killed," which by the way was not the case of the hybrid tea class, as while they had been cut down a good deal they were few vacancies, most of them having had strength to send up strong flower-bearing shoots. Mr. Eisele finds the best protection is to draw the soil up about the plant about six inches in height and lay green boughs of hemlock or other such material as a covering for the severe winter weather.

K.

Ants in Greenhouse.

ED. AMERICAN FLORIST:—What is the best way to keep ants out of a greenhouse?

Illinois.

SUBSCRIBER.

I have found a very simple and thorough remedy in Paris green and sugar. Add just enough Paris green to white granulated sugar to turn it to a light green color, then dust it lightly among the pots on and under the benches, and the greenhouse will be rid of ants in a very short time. One should be careful not to put any into the pots or on a bench containing soil, as the Paris green is liable to damage the plants.

As to ants being a benefit in the greenhouse in ridding it of other insects, I prefer to get rid of ants by all means, as they are an eyesore to any

one working among them. Paris green will rid the house of sow bugs as well as ants. I also believe that ants are dangerous around a greenhouse. We had a lot of kentias in a greenhouse. On one bench the plants were perfectly clean, while on another bench we noticed that a few of the palms had scale. A lot of ants got into these palms and in a short time every palm in the house was infested with scale. It may be, as Mr. Roman says, that ants may be of some benefit, but it is my opinion that if such is the case they would have cleaned the palms of scale. I really think that instead of cleaning plants of scale, ants carry scale from one plant to another. This being my opinion, I mixed some Paris green and sugar one afternoon and dusted it on and under the benches. The next morning there was not a sign of an ant anywhere, and there has been none since.

A quart of sugar, with a little Paris green mixed through it, is enough for a house 25x100 feet. We also use this for sow bugs, finding it much more easily handled than when mixed with oatmeal, and much more effective. It also does away with a lot of mouldy oatmeal scattered through the greenhouses.

EDWARD H. SCHWERIN.

FRAMINGHAM, MASS.—Wm. Nicholson is building a greenhouse on Cross street.

HERKIMER, N. Y.—W. D. Snell is building a new framework for his greenhouses and making other improvements.

CHRYSANTHEMUMS

Ceaseless Care Necessary.

This is a busy time for the chrysanthemum grower. The many little details necessary in caring for his plants keep him on the hustle all the time. The plants growing in the benches for cut flower purposes have now attained a luxuriant growth and are continually pushing out side growths, the surplus of which must be removed as soon as they are large enough to be handled without damaging the main growth. Quite often the beginner in growing chrysanthemums finds himself up against a puzzling problem at this time, when the plants are budding up with the summer bud surrounded by side growths. By the summer bud we mean the center bud which forms at the apex of the plant with a growth shoot on each side. Now if this center bud is left at this time and the side growths removed it will dry up and wither away, and the season's growth of the plant will have been wasted. The center bud should therefore be rubbed out and one of the side growth left to go on to set a bud later on, which will be, generally, August 15 or later.

Notable exceptions to this rule must be made with the varieties Golden Glow and Smith's Advance, which are extra early bloomers. The buds they are forming now are the ones that will produce the early flowers; also when the plants begin to harden up the suckers will stool out at the base of the plant. They should be removed, care being taken not to cut the roots. Close attention should be given to the work of supporting the plants either by stakes or strings, according to the method used, but wherever it can be done without a doubt the best way of supporting the plants is by using cross wires across the bench at the base of the plants and overhead wires with upright strings to fasten the plants to. The early planted stock will by this time have drawn considerable of the nourishment out of the soil and a mulch of well rotted cattle manure should be put on the beds to furnish a fresh supply of food to the plants. The manure should be well rotted but not dried out, and it must not be put on thick enough to exclude the air from the soil.

The better way is for the mulch to be about one-half inch thick, and as this wears out it should be followed with another in about three weeks' time. The principal point to bear in mind in chrysanthemum culture is to make it possible for the plants to make a clean growth right along. A check from any cause is a setback to them which takes time to grow out of. One of the frequent causes of the plants getting a setback is the presence of aphids or insects of any kind. To keep them free it will be necessary to spray continually, whether there are any visible signs of aphids or not. It is wonderful how quickly a plant will become infested if there is any let up in the fighting against insects. Any of the late varieties not yet planted should be got into their permanent quarters without delay. A light airy place where a night temperature of 50-52 degrees can be maintained, if necessary to keep out the dampness while the blooms are

developing, is what they require. Keep all beds free from weeds and until ready for mulchings give the surface regular scratchings to permit the sun and air to work into the soil and keep it sweet. C. W. JOHNSON.

Propagating Chrysanthemums.

ED AMERICAN FLORIST:—

When should chrysanthemums be propagated to bloom in November?
Iowa. J. E. B.

It depends greatly on the period of the blooming of the variety under consideration. November 1-15 is the season of blooming for the mid-season varieties and later than the fifteenth the season of the late kinds. These can be propagated during April and May and potted into two and one-half inch pots so as to have thrifty stock for planting in the benches the last of June or early in July. A good plan would be to secure from one of the chrysanthemum specialists advertising in THE AMERICAN FLORIST a selection of November blooming varieties with the best time for propagating them.

C. W. JOHNSON.

Plants and Tobacco Smoke.

Prof. Molisch, the plant physiologist of the University of Prague, has shown in some of his earlier work that large numbers of micro-organisms, plants as well as animals, and the seedlings of higher plants are extremely sensitive to the influence of tobacco smoke, some being even killed thereby. Many

smoke are very striking. In his more recent experiments he used older plants of various species, including species of spiderwort, echeveria, eupatorium, selaginella, and others. None of these plants showed any ill effects from the treatment, although exposed for a long time to an atmosphere filled with tobacco smoke. Other plants, however, responded in various striking ways.

Brehmeria utilis and Splitgerbera biloba changed their manner of growth. When placed in a large bell jar and a few puffs of smoke from a cigar or cigarette were blown in, the leaves of these plants, ordinarily growing at right angles to the stem, that is, in a horizontal position, began to turn on their stalks, in the course of from 24 to 48 hours, until they were in a vertical plane. In the case of the Brehmeria they continued their rotations beyond this point, describing a spiral. Similar disturbances were produced upon these two plants by illuminating gas. But other plants used in the experiments showed similar effects of tobacco smoke, but did not respond to the illuminating gas.

Earlier experiments showed that various narcotics provoke abnormal development of the breathing holes on the shoot of the potato. Experiments with tobacco smoke on the potato and on other plants led to the same results, often with the accumulation of masses of liquid under the swollen areas. In some plants of the bean family the tobacco smoke caused the leaves to drop off in a very short



THE DREER ROSE TRIAL GROUNDS.

A General View of the Estate Where This Company Tests Its Plants.

of the deleterious effects experienced by plants living in laboratories were formerly attributed to the small quantities of illuminating gas which frequently vitiate the atmosphere of such rooms; but Molisch's experiments left no room for doubt that it is really the tobacco smoke that does the harm. His pictures showing the growth of pea and vetch seedlings in the presence and in the absence of tobacco

time. The sensitive plant (Mimosa pudica) and the black locust (Robinia pseudacacia) and others lost all or nearly all of their leaves in from 24 to 48 hours after being placed in an atmosphere containing tobacco smoke. To a smaller degree smoke from wood and paper, and illuminating gas produced similar results. The fumes of nicotine had very little influence.—Scientific American.

THE CARNATION.

Preparing For Next Year.

The end of the season, so far as the old stock of carnations is concerned, is very near at hand, for the month of June usually terminates the usefulness of those plants that have been blooming since about last September. The cool spring has doubtless helped to prolong the season with carnations this year and many growers have continued in good crop throughout June, but the demand falls off as the summer exodus from the cities to the country begins. In addition to this the grower needs to get busy in preparation for another season. This means that there is much hot and heavy work to be done, for all wires must be removed, plants pulled out, benches emptied, repaired and the woodwork whitewashed. Next in line is to refill with fresh soil, clean out all rubbish, and finally to replant.

These various operations do not occupy very much space upon paper, but they do occupy a good deal of time and indicate a lot of labor, and it is unfortunately labor that must be done at a period when one may expect to have some of the warmest weather of the season. Soil should be well prepared before it is needed for the benches, so that all possible delay may be avoided, and if the soil be made into a compost heap, it should be turned over once or twice in order that the manure may be thoroughly mixed with it. Many growers prefer the method of preparing the soil in the field by heavy manuring, then plowing and harrowing, followed by ridging up, and if not then sufficiently friable, to again plow down the ridges and give another good harrowing, finally ridging up so that the soil is well aerated and in more convenient form for hauling in.

But the amount of labor to be given to this part of the work of preparation will naturally depend very largely upon the condition of the soil at the start, for a light, open soil will not require the same amount of handling that will be needed to put a clay loam in condition for the benches. As to fertilizers, it may be said that most soils give the best results when liberally treated with good stable manure, though good results may be had from some soils by the proper use of chemical fertilizers. The main difficulty is that of finding out the special needs of a soil, for there is no simple method of determining the constituent parts of a soil in order to supply the necessary plant food to it, and growers generally do not find time to become agricultural chemists. This means that experimentation carried on for a number of years, is usually required to find out the best way of feeding a given soil, and unless this be carried out carefully by a check method, one does not feel very sure about the results attained.

The plants in the field should now be making rapid progress, and frequent and clean cultivation should be the order of the day. Keeping the weeds down all the time and the surface of the soil open, but avoiding deep culture on account of the possible disturbance of the roots, some of which

are quite near to the surface, is necessary. Another thing to be avoided is the banking of the soil around the plants in the field, for in a damp season especially such a condition increases the liability to attacks of stem rot, that much dreaded fungoid malady that causes the loss of thousands of promising plants each season, both outdoors and in the houses. Topping the young stock in the field will occupy some time each week and is one

The crushed limestone can be used in the proportion of one wheelbarrow to one wagon load of soil, though a little more or less according to the soil's texture, will not do any harm. Limestone can also be used to advantage with a soil that has a tendency to sour quickly. It will keep it open, allowing the air to sweeten it. The soil that we have to deal with is the black prairie soil, common to this section of the country, and it is of such



THE DREER ROSE TRIAL GROUNDS.

Mme. Leon Pain and Harry Kirk Varieties in Blocks of Twelve.

of the regular cultural operations that must not be neglected if one looks for well-branched and sturdy stock at the time of planting-in. W. H. TAPLIN.

Early Planting.

The time for early planting is at hand, but before proceeding with the work of transferring the plants from the field to the inside be sure that every requirement of the plants out in the field has been looked after. Do not allow for any neglect in pinching back the shoots, but keep up the work right along so that a well clothed, stocky plant will be available for planting in; also do not let up with the cultivator, but keep it continually on the go, even if it is figured that the plants will be planted inside during the next ten days. Before bringing in the plants all the necessary preparations of getting the houses ready should be attended to. This being done, we are then ready for the soil. Our next problem is the selection of the most suitable compost at our disposal. This is a matter that should be given close consideration, as so much of the success of the plants depends on the nature of the soil, and by giving it some thought and attention now before bringing into the houses we may improve greatly upon it. If you have a stiff, heavy soil it can be lightened up by mixing some crushed limestone, or screenings, as it is sometimes called, through it and by adding about one-third of well-rotted horse manure.

nature that if the utmost judgment is not used in watering when plants are planted it will sour before the roots can take hold. It is also light in texture and to make it stiffer we add about one-fifth clay, together with the limestone and horse manure, and we find that this improves it greatly. Before putting in the soil we spread a thin layer of well rotted horse manure over the bottom of the benches, which keeps the soil from running through the cracks and will give nourishment to the plants later on.

This manure has been stacked up for more than a year, so there is no straw or other coarse material in it, and it has now more the appearance of soil than manure. Some growers are not in favor of using manure at the bottom of the benches, but we have gained good results through its use. We find that it is not necessary to feed the plants as heavy during the winter when they have this fertilizer at the bottom to work on, but we would not advise using a green manure or anything that is infested with worms. Carnations do the best when the soil is inclined to be a little fine rather than coarse. Consequently it is better to break up any lumps that the soil contains before bringing it in. After putting it on the benches level the surface as even as possible, firming down a little, but it is not necessary to do any treading down. If after the plants have been planted a little while it is found that the soil is at all spongy it can be firmed down a little more. Planting in at this early

date requires that a good mud shade be put on the glass to remain for about a week or ten days until the roots get hold of the new soil. When mapping out the planting it is advisable to select plants of an even size for benches by themselves. The larger ones can then be given a little more space than the smaller ones. The plants should not be planted in the fresh soil any deeper than they have been growing in the field; also do not dig at one time more than the planters can properly take care of. After planting, water only at the plants until the roots get hold of the soil and give frequent light sprayings during the day to keep them from wilting.

C. W. JOHNSON.

Stocks.

ED. AMERICAN FLORIST:—

Can you tell me which varieties of flowering stocks grow and continue to bloom for some time and which ones have but one cluster of blossoms at the top of plant? I would also like to know about their culture for winter as well as summer. F. A. Illinois.

The Cut-and-Come-Again and the varieties of the Beauty of Nice type are the most continuous bloomers (from the cut flower grower's standpoint) of the stock family. Many of the large flower varieties are very fine as individual spikes of bloom, but they are not very free. Most of the reliable seedsmen have selections of the various types of stocks that have been selected especially for their cut-flower qualities and they can be depended on to furnish you with varieties suitable to your requirements. Snowflake is a good white, Beauty of Nice, a delicate flesh pink and Empress Elizabeth a fine rose colored variety. For winter culture, sow now two and three seeds in a 3-inch pot, thinning them out to one as soon as they are big enough, selecting a healthy one to leave for your plant. It does not follow that it should be the largest of the three, however, because generally the ones to get away from the seed the quickest and strongest are the varieties with single flowers. The plant should be kept free of weeds and are best off at this season outside in frames under raised sash.

In a very short while they will be large enough to select those with double flowers from the single. The double varieties are heavier in foliage and do not start to throw up the flower spike as quickly as the singles. They are also of more stocky growth. These plants can be flowered in pots by shifting them along until you get them into the 8-inch size, which should be the final shift. There is an advantage of growing them this way over the bench method by having them handy to move around to fill up vacant spaces in the cool houses, but if it is the intention to grow them in quantity, then I would advise growing them in benches. They require an open, moderately rich soil, such as is used for mignonette. In fact stocks and mignonette can be grown in the same house to advantage, both of them being suited to the same conditions and temperature, which should be about 46 to 48 degrees at night.

Seeds sown now and potted along will be ready for planting in the benches early in September. They will begin to flower late in the winter and

run along into early Spring. A sowing for Spring flowering can be started in September and another for Memorial Day about November. They should be grown cool at all times and never allowed to suffer for water; also do not let them become hard and root-bound while in pots, it being a difficult matter to get them to take hold of the soil after being planted in the beds when they are suffering from these troubles. It is very important to keep the soil in the beds open and sweet by frequent scratchings of the surface, also the plants are greatly benefited by two or three dressings of pulverized sheep manure during the growing season. C. W. JOHNSON.

THE ROSE.

Staking and Disbudding.

At this time the plants to be carried over for early blooming should be getting a new start, and the young stock taking hold. The exceedingly hot wave, which seems to have been universal, had a checking effect on all plants unless especial precautions were taken. During the hot weather it is very essential to syringe the first thing in the morning and again at noon or near the middle of the day, the temperature can usually be reduced from 10 to 15 degrees by this operation. The water should be sprayed around over head, and on the side walls and the walls dampened. Do not let the soil become dry on the surface, where the depressions were left around the base

American Beauties, for which a longer stake (6 feet long or longer) is preferred the heavy grade or gauge is better. When staking the plants the wire holders at the ends of the beds should be neatly constructed. Some growers use a wooden framework for some reason. Get a frame made of 1 inch pipe. It is so much neater and more durable that there is really no excuse for putting up a clumsy wooden framework. Stretch the running wires about a foot from the tops of the stakes so as to be able to work freely under the wires and draw them very tight. Number 18 or number 20 galvanized is the size generally used, the latter in long houses of 200 or more feet in length. Of course, where the beds are several hundred feet in length, the braces or wire supports should be placed about 50 feet apart. A little care when placing the stakes will result in a more uniform job, and by placing the stakes about two inches to one side of the plants and on a line with them in the row the stakes will line up nicely. Be sure to keep all the stakes on the same side of each plant.

If one has never tried double staking American Beauties one should do so. That is, use two stakes to the plant, 8 or 10 inches apart, one on either side. This gives one the opportunity to tie the plant firmly and at the same time openly, and will often prevent a dose of "black spot" as the American Beauty must have arid surroundings and open tying for best results. Do not be in too great a hurry to pull the weeds. When they are too small half



THE DREER ROSE TRIAL GROUNDS.

Jacob G. Eisele and George Clark Making Records.

of the plants, when it was packed. This leaves the greater part of the soil higher and somewhat loose and causes it to dry rapidly. It isn't necessary to soak this part of the bed but it must be kept moist, at least until the beds are leveled off. A good plan is to stake up every thing permanently, for all around work. The five foot stakes (made of wire) are the best, using the smaller gauge for everything except

or more than half are broken off, but by letting them grow to a height of about four inches they can all be taken or pulled by the roots and very few will follow a thorough weeding. After three weeks the beds should be leveled off nicely and from then on cultivated once a week. Do not let them go longer as the cultivating of any crop, indoors or out, cannot be done too frequently.

The disbudding from now on will require almost daily attention. Don't be satisfied with first snapping off the buds but look every plant over carefully and pinch back to a good firm eye even if there are only two left on the stem. There will be more the next time. It is a question whether to pinch soft growth or wait till the buds show color. I would suggest waiting until the buds show color before disbudding. There usually isn't any difference noticeable in the results and for a beginner the soft growth-pinch will be less satisfactory. At the same time a good way would be to try both plans and to watch results. At any rate let the buds be well set and showing color on the American Beauty. How are the summer houses coming along—those filled with such as Kaiserin, Carnot, and other novelties kept dormant during the winter and used for summer blooms alone? They should require light mulches frequently and liquid manure every week to keep up the size of the blooms. They should also be tied and disbudded as carefully as the stock handled in the winter. Syringe before sunrise several times for shipment. This will also put a check on red spider. Keep the carried over stocks disbudded until they begin to grow good strong stems and air carefully on windy days. E.

European Horticulture.

FROM THE BRITISH PRESS.

New Roses at Bagatelle.—Arthur W. Paul, who, as for some years past, has this year been one of the judges of the new roses grown at Bagatelle, gives the following particulars of the awards made by the judges at the recent meeting. "The beautiful rosery in the gardens of Bagatelle, now included in the Bois de Boulogne, at Paris, was at the height of its beauty on the morning of June 13, when the annual judging of the new roses sent for trial took place under the direction of the authorities of the City of Paris. The judges consisted of well-known French and foreign rosarians, both amateur and professional, and some 85 new varieties of roses sent in 1911 were examined with a view to be awarded gold medals and certificates. As the result of a rule prohibiting the same raiser from receiving a gold medal more than two years in succession, the varieties of M. Pernet-Ducher were not eligible for this distinction, but a special diploma of honor was awarded to his new H. T. Sunburst, and the red H. T. President Vignet, of the same raiser, was in fine condition. None of the other varieties were considered to be of sufficiently outstanding merit at the time of the judging to receive a medal, but three certificates of Bagatelle were awarded, viz., to Madame Jules Bouche, a flesh-white H. T.; Fru Margretha Moller, a fine rose-colored H. T. of Danish origin; and to Orleans-Rose, a rose-colored polyantha that has been frequently finely exhibited in this country. Some other kinds that followed closely in the number of points awarded were Mrs. Edward Powell, a fine red H. T.; Erna Teschendorff, a brilliant dark-red polyantha; Ethel Malcolm (H. T.); Mrs. Herbert Stevens (Tea); Ellen Poulsen, a soft pink polyantha; and Rodhatte, a crimson hybrid polyantha. Of the varieties of 1912, provisionally examined, with a view to granting awards next year, the following appeared the most promising: Madame Faucher, a light-colored H. T.; Yvonne Lornago, an orange-red hybrid of Tea and Noisette; Madame C. Chambard, a pale pink H. T.; Madame Charles Lutaud, a deep yellow H. T.; Madame Edmond Rostand, H. T., flesh color, with or-

ange center; Melody, a fine yellow H. T.; Merveille des Rouges, crimson polyantha; Mrs. Amy Hammond (H. T.), and Mrs. Joseph Welch (H. T.)."

Halesia Corymbosa.—Some difference of opinion exists as to the correct name of this shrub or small tree, for it is sometimes named as above and in other places Siebold and Zuccarini are followed, and the name of Pterostyrax corymbosum is adopted. A glance at the flowers is quite sufficient to reveal how it differs from the commoner Halesia tetraptera, the well-known Silverbell or Snowdrop-tree of our gardens, for in the latter

whole months. All are perfectly hardy, content with sound loam and grateful for an admixture of peat or leaf-mould. They are the very elite of their genus.

Spirea Decumbens as a Wall Plant.—*Spirea decumbens* is a recognized favorite in the rock garden, where its pretty foliage and clusters of white flowers are always welcome in their season. It is considerably less known as a wall plant, but it may be grown with the greatest success on a wall with a considerable body of soil behind. At Monreith there is a capital plant under such conditions in the



GREENHOUSE OF JACOB F. MARSHALL, DES MOINES, IA.

Center Bench Shows Red Carnation Robert Marshall.

case we are accustomed to seeing white bell-shaped flowers terminating short, slender stalks, whereas in *H. corymbosa* the cream-colored blossoms appear many together in large panicles. Moreover, the individual flowers are smaller and more loosely arranged. By reason of the leaves alone the plant is noticeable, for the larger ones are each 6 inches to 7 inches long, and 3 inches to 4 inches wide. *H. corymbosa* is a native of Japan, and thrives quite well either as a wall or border plant. Under suitable conditions it may be expected to grow from 15 feet to 20 feet high with a spread of similar dimensions, therefore plenty of room must be allowed for development when a position is first selected. A fair amount of sun is essential to success, for if a good display of flowers is to be procured it is necessary for the wood of the previous year to become thoroughly ripened. Although not a new introduction, the plant is seldom met with as a large example.

Species of *Spirea*.—The shrubby *Spireas* may be arranged to sustain a charming display over a long period. There is a type which prevails in several species, all of which bear long arching sprays closely set with rosettes of snowy flowers. Of these, *S. arguta* began flowering on April 4, and was followed by *Spirea Van Houttei* on May 15. Scarcely had that species begun to fade before *S. bracteata* stepped in to continue the display, which by June 10 was at its height; and *S. flagelliformis* was ready to take up the running in another week or so. If these four species flowered simultaneously it might not be worth while growing more than one of them. The advantage of having all of them is that the effect is prolonged for three

wall garden, and it was very pleasing indeed there. The difficulty with this and many other plants suitable for a wall is that of establishing it, and for the purpose young plants are best. If the wall is properly constructed, a stone may be taken out and the *Spirea* put in with the ball of soil attached, and then a stone well jammed in about it, but so placed that any water which may fall on the wall will run towards the roots.

Clarkia Elegans Nine Feet High.—I should be interested to learn if any of your readers have known *Clarkia elegans* to grow so strongly as mine have this year. Seeds were sown in September, and the seedlings were grown in cool conditions during the winter and potted on as required. At the present time the plants are in 12-inch pots and in flower. Some of the shoots are nine feet high, and at four feet six inches the growths are one and one-quarter inches in circumference. The plants are carrying hundreds of flowers, which are fully two inches across. This *Clarkia* is not only useful for conservatory decoration, but also for furnishing cut blooms. The flowers remain fresh a long time in water.—J. H. Herdman, Under Fell Gardens, Burton, Westmorland.

Double Flowered Lilacs.—Complaints are sometimes made that these do not flower with the same freedom as the single-flowered kinds, and in the case of small specimens this frequently holds good. When large this same feature cannot be urged against them, as they then bloom profusely. I have had under my observation a veritable tree of the white-flowered variety Madame Lemoine, which has been a mass of flowers and admired by everyone.

Shipping a Large Kroeschell Boiler

Kroeschell Bros. Co., the well known greenhouse boiler manufacturers of Chicago, is enjoying a very busy season and is shipping a large number of hot water boilers to all parts of the country. The accompanying illustration shows the firm shipping one of their No. 18 Jumbo boilers, the largest hot water boiler that it manufactures. The No. 18 boiler will heat 106,800 square feet of glass for carnations at zero and will carry 61,410 lineal feet of one and one-quarter inch pipe, or nearly 11 miles of one and one-quarter inch pipe in addition to the mains. The weight of this giant is 30,000 pounds and the dimensions are: length, 20 feet, 6 inches; width, 84 inches; height, 66 inches. It has five 8-inch flows and six 8-inch returns and is to be installed for the new vegetable range of Theodore Uffmann & Sons at Rossford, O., near Toledo. A large central hot water heating station is being installed for this plant and the power plant will include the following: One No. 18 Kroeschell and one No. 14 Kroeschell hot water boiler; one steam boiler; three circulating pumps and two feed water heaters. The entire heating system is to be set on the same level as the greenhouse walks, doing away entirely with the boiler pits, and the greenhouses are to be heated with 1 1/4-inch pipe for flows and returns, all piping to be six feet above the ground.

Preventing Frosting by Electricity.

Herman L. Darling of Delta, Colo., in a patent, No. 1,027,403, presents a system of saving buds and blossoms from frost in which a vibratory motion electricity motor is connected to fruit trees and supplied with power so that the vibratory motion generated by the motor will be imparted to the tree.—Scientific American.

OBITUARY.

Adolph Le Moul.

Heartbroken by the death of his wife, two months ago, Adolph Le Moul, beloved florist of the Bowery, New York City, ended his life at his home, 240 Echo place, July 22. Mr. Le Moul was 65 years old and was the owner of three New York florist shops. He had been engaged in dispensing flowers to the public during his entire business career of fifty years and was known and loved by thousands of the public as well as many of the trade. Mr. Le Moul started a floral establishment under Wallack's old theater when Lester Wallack was at the height of his glory and he furnished the actor with his boutonnières. Many others of the stage were his patrons also. A floral Stars and Stripes for the bier of General McClellan was among his masterpieces, though he himself considered the bouquets for the ball given Grand Duke Alexis in 1871 and which contained a facsimile of the Russian crown his finest achievement. His floral decorations at the funeral of Horace Greely were also notable. Much of Mr. Le Moul's later life was spent in his Bowery shop, where he was noted quite as much for his kindly advice and sympathy as for his flowers. The funeral was held July 24.

August Dresel.

August Dresel, of the Crown Point Floral Co., Crown Point, Ind., died at his home in that city July 17. Mr. Dresel was one of the pioneer florists of Chicago. He was born at Holstein, Germany, October 9, 1838, and came to this country in 1864, locating at Lafayette, Ind., where he worked on a farm, moving to Chicago in 1866, where he purchased the Lewis greenhouses on Racine avenue in 1867. He bought a larger greenhouse establishment at 2137 Clybourn avenue in 1868 and disposed of that on Racine avenue. Twen-

ty-five years ago he was interested in the Northwestern Brick Co. for a few years and about the same period bought a block of 20 greenhouses on Belmont and Western avenues. In 1901, because of financial reverses, he assigned his interests in Chicago and moved to Crown Point, starting the present business, which later became a partnership, taking in Henry Wendel. His first greenhouse experience was obtained in Copenhagen, Denmark, before coming to this country. The funeral was held at the residence in Crown Point July 19, with interment at the German Lutheran cemetery, and the floral offerings from Chicago and other friends were quite numerous. J. C. Vaughan and S. J. Pearce represented the Chicago trade.

Mr. Dresel married Miss Mary Kyersgaard at Chicago in 1866 and five children, two daughters and three sons, survive: Mrs. Samuel J. Pearce, 2137 Clybourn avenue, Chicago; Mrs. Sophia Zapel, Chicago; August Dresel, Jr., Chicago; Henry Dresel, New Orleans, La.; Louis Dresel, Pontiac, Mich.

Mr. Wendel will continue the Crown Point business.

Mrs. Barbara Rieman.

Mrs. Barbara J. Rieman, widow of Charles Rieman, a pioneer florist of Indianapolis, Ind., died at the home of her daughter, July 17, at the age of 64. After the death of her husband, Mrs. Rieman continued in the florist business for many years and was well known and liked among Indiana florists. Mrs. Rieman is survived by four children, Mrs. Glezendammer, of Indianapolis; Henry H. Rieman, of St. Louis, Mo.; Otto Rieman, of Mooresville, Ind., and John Rieman, the well-known Indianapolis florist.

BALTIMORE.—Harry J. Quick is erecting three new greenhouses, each 27x100 feet.

WHITINSVILLE, MASS.—Arthur F. Whitin is building additions, 25x30 feet, to his greenhouses.



KROESCHELL BROS. CO. SHIPPING A NO. 18 BOILER. FRED LAUTENSCHLAGER SUPERINTENDING THE JOB.

THE AMERICAN FLORIST

1885 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

CONTENTS

Suggestions for plant growers	1
—Poinsettias	1
—Pelargoniums	1
—Callas	1
Retail trade	2
—Retailer asks for "square deal"	2
Exhibition of American Sweet Pea Society (illus.)	2
A Japanese table decoration	4
H. A. Dreer Co.'s trial grounds (illus.)	4
Ants in greenhouse	5
Chrysanthemums	6
—Ceaseless care necessary	6
—Propagating chrysanthemums	6
The carnation	7
—Preparing for next year	7
—Early planting	7
Stocks	8
The rose	8
—Staking and budding	8
Greenhouse of Jacob F. Marshall (illus.)	9
Shipping a large Kroeschell boiler (illus.)	10
Obituary	10
—Adolph Le Moutt	10
—August Dresel	10
—Mrs. Barbara Rieman	10
Society of American Florists	11
Convention sports	12
Smith monument proposed	12
American Carnation Society	12
Chicago hotel rates	12
Montreal	14
Chicago	16
Cincinnati	19
Minneapolis	20
St. Louis	21
Buffalo	22
Nashville	22
Nassau County Horticultural Society	22
Cleveland	26
New York	26
Philadelphia	26
Washington	26
Seed trade	34
—Government seed samples	34
—Pea and bean crops	34
—Discriminates against home trade	34
Market gardeners	40
—Prices of indoor fruits and vegetables	40
—Notes on asparagus	40
Nursery trade	42
—New Chinese shrub in Arnold Arboretum	42

THE new S. A. F. button is very attractive.

RENEW subscriptions promptly so that no copies of the paper may be missed.

Convention Sports.

The prize list for the approaching sporting events to be held in connection with the convention of the Society of American Florists at Chicago next August is now in preparation. Anyone who desires to donate a prize will greatly oblige by sending full particulars as early as possible. It is the desire of those in charge of this department of convention work to make it the biggest and best bowling, shooting and outing occasion ever held in connection with the annual meeting of the national organization. All communications bearing on the convention sports and prizes, therefore, should be addressed to C. J. Graham, 12349 Euclid avenue, Cleveland, O.

The donors should send particulars of their prizes early so as to afford those in charge an opportunity of giving them full publicity.

Smith Monument Proposed.

ED. AMERICAN FLORIST:—

I noticed in the last week issues of the trade papers a suggestion from Harry Papworth of New Orleans that it would be a fitting tribute to the late Wm. R. Smith to have a suitable monument erected to his memory at the national capital, and I want to say I believe the Society of American Florists and kindred organizations and individuals could do no greater honor to themselves than by honoring Wm. R. Smith with such a memorial. A more liberal, broader, self-sacrificing horticulturist never lived than that truly grand old man. The thought occurs to me at this time, that for many years previous to Mr. Smith's death, it was his ambition and desire to live long enough to see a permanent home established in Washington for the Society of American Florists. He also desired very much that a horticultural library should be established in this home from which florists from all over the United States and Canada could draw on for information, bulletins, etc. I really cannot think of anything that would do the society and the trade in general so much good as a fitting memorial home named in his honor. Personally I am willing to give time and money toward this worthy cause. I hope this matter will be taken up at the forthcoming convention in Chicago that we may hear different views expressed on this subject.

WM. F. GUDE.

Washington, D. C., July 20, 1912.

American Carnation Society.

NEW CARNATIONS REGISTERED.

By Richard Diener & Co., Mountain View, Calif.—California Giant, Prosperity x Enchantress White with lemon tint in center; occasional faint markings of red, as in Prosperity. Size, 5 to 6 inches. Upright, vigorous habit. Stiff stem 3 feet in length. Produces 15 blooms per plant. Strong clove scent. Papaver shaped calyx.

By Peter Fisher, Ellis, Mass.—Gorgeous, parentage not given. Persian red. Size, 4 inches and over. Plant extremely robust and healthy. Exceptionally long stems and stiff. Guard petals of bloom broad and well arranged; center high and not too full. Free for a strictly fancy sort.

By Thos. F. Brown, Greenfield, Mich.—Magnificence, Winona x Beacon. True pink. Size, 3½ inches. Habit

extra good. Early and productive. Calyx does not split. Good stem and well-formed flower.

By Cottage Gardens Co., Queens, N. Y.—Matchless, White Perfection x Alma Ward. Color, pure white. Size, 3½ to 4 inches. Vigorous habit with long wiry stem. Very prolific. Flowers possess extraordinary substance.

By R. Witterstaetter, Cincinnati, O.—Pres. J. A. Valentine, Aristocrat x Enchantress. Bright shell pink. Size, 3½ inches. Strong habit, with heavy, leathery foliage. Stems strong and stiff, curving slightly. Moderately free.

By Traendly & Schenck, New York, N. Y.—Salmon Beauty, salmon colored sport from Enchantress. Stronger and more vigorous than the original Enchantress.

By the E. G. Hill Co., Richmond, Ind.—The Commodore, Victory x Seedling. Color, velvety deep scarlet. Just over 3 inches. Bluish grass of medium size. Healthy and very free in growth. Free in flower. Stiff stem throughout the season. Never splits.

By Chicago Carnation Co., Joliet, Ill.—The Herald, Seeding cross. Color, scarlet. Size, 3 to 3½ inches. Robust upright growth, with very stiff stems. Free bloomer and good habit.

By Scott Bros., Elmsford, N. Y.—Wm. Eccles, Beacon x Victory. Scarlet. Size, 3½ inches. Partakes of Victory in habit. Stems, 2½ to 3 feet, and hold flower rigid. Non-bursting calyx. Sweet perfume.

SOCIETY DIRECTORS TO MEET.

There will be a meeting of the board of directors of the American Carnation Society at Chicago at 9:30 o'clock Thursday, August 22. Members who are in attendance at the convention are invited to meet with the board. The schedule of premiums for carnations at the National Flower Show in April, 1913, will be made up at this meeting. Anyone wishing to offer a special premium for carnations at this show will kindly advise the undersigned. The following specials have already been pledged:

By Kroeschell Bros. Co., Chicago—Gold medal, value \$25, for largest 12 carnation blooms.

By S. M. Merwarth & Bro., Easton, Pa.—\$50 in 3 prizes, for 100 blooms of carnation "Comfort."

By Thos. W. Lawson, Boston, Mass.—Silver cup, value \$50, class not yet named.

By Hitchings & Co., New York, N. Y.—The Hitchings Cup, valued at \$30, sweepstakes in section A.

A. F. J. BAUR, Secy.

Chicago Hotel Rates.

This list includes all the important hotels easily reached from the place of meeting, with the special rates offered for the convention.

The Hotels.	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Bismarck	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone	2.50	3.00 to 5.00		5.00 to 8.00
Brevoort	1.50 to 2.50	2.50 to 4.00	3.00 to 4.00	4.00 to 5.00
Congress	2.00 to 3.00	3.50 to 5.00	3.00 to 4.00	5.00 to 7.00
Grand Pacific	1.50	2.00	2.00	3.00
Great Northern	1.50 to 2.00	2.50 to 4.00	2.50 to 3.50	3.50 to 6.00
Kaiserhof	1.00 to 2.00	2.00 to 2.50	2.00 to 3.00	3.00 to 4.00
La Salle	2.00 to 3.00	3.00 to 5.00	3.00 to 5.00	5.00 to 8.00
Lexington	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Morrison	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00
Palmer	1.50 to 2.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Saratoga	1.00 to 2.00	1.50 to 2.50	2.00 to 4.00	3.00 to 5.00
Sherman		2.00 to 4.00		3.00 to 6.00
Stratford	1.50	2.00 to 4.00	2.50	3.00 to 6.00

Reservations may be made through the chairmen and vice-chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash avenue, Chicago.

T. E. WATERS,
32 East Randolph street, Chicago.

ROBERT NEWCOMB,
31 West Randolph street, Chicago.

WM. LANGHOUT,
31 West Randolph street, Chicago.

Meetings Next Week.

Albany, N. Y., August 1, 8 p. m.—Albany Florists' Club, 71-73 State street.
 Chicago, August 1, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.
 Dayton, O., August 1, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
 Lake Forest, Ill., July 31, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.
 Lake Geneva, Wis., August 3, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.
 Lenox, Mass., August 3.—Lenox Horticultural Society.
 Milwaukee, Wis., August 1, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City Hall square.
 San Francisco, Calif., August 3.—Pacific Coast Horticultural Society.
 Tacoma, Wash., August 1.—Tacoma Florists' Association, Maccabee hall.
 Utica, N. Y., August 1, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society, Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

Chicago, August 20-23, 1912.—Annual meeting and exhibition, Society of American Florists, Coliseum, John Young, secretary, 54 West Twenty-eighth street, New York.

Chicago, August 20-23, 1912.—Annual exhibition, American Gladiolus Society, Coliseum, L. Merton Gage, secretary, Groton, Mass.

Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society, John N. Stockwell, secretary, City hall, Cleveland.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society, James MacDonald, corresponding secretary.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America, S. W. Severance, 508 Walker building, Louisville, Ky.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 18 Front street, Worcester.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—At once, married man, age 27, on a retail place; good designer and grower; sober and reliable. Ill. or Ind. Address Key 670, care American Florist.

Situation Wanted—By first class designer and decorator; years of experience; A-1 references; able to manage a store. State salary. Address ULRICH, 211 West Grace St., Richmond, Va.

Situation Wanted—By florist; German; single; experience in full line of bedding plants; Mums. Carnation; good propagator; private or commercial place; around Eastern States. Key 677, care American Florist.

Help Wanted—An experienced gardener on gentleman's country place; married man preferred. Address, A. H. VON SCHRADER, Laurel, Md.

Help Wanted—A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address Key 647, care American Florist.

Help Wanted—In British Columbia, an all-round grower of carnations, mums and a general line of pot and bedding plants; a steady position to the right man; must be sober and industrious and understand the business. Address Key 649, care American Florist.

For Sale—New ice box: will keep flowers in excellent condition. CANGER & GORMLEY, 187 North State St., Chicago.

For Sale—Public Sale July 30; 3 greenhouses, boiler, pipe, stock, tools, wagon. Everything on premises. F. R. MATSINGER, Palmyra, N. J.

For Sale—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 16x18 D.S.A. hand made glass. W. H. BARRETT, Adrian, Mich.

For Sale—Three thousand 2-inch heavy wrought iron pipe, fine condition, couplings, valves, etc. Your own price. ALDOUS & SON, Iowa City, Ia.

For Sale—Cheap, second hand greenhouse material of all kinds; also 2 steam boilers, 2 iron pumps, 1 Morehead steam trap, wire rose stakes, etc. A. M. SCHAFER, 2129 Balmore Ave., Chicago.

For Sale—Within the next 30 days three thousand dollars will buy seven thousand feet of glass; ten-room dwelling. Part cash; if you mean business, write Key 671, care American Florist.

For Sale—Complete file "American Florist," twenty-seven years—Vols. 1 to 13—13 years inclusive; bound in half Morocco, cloth sides. If you want them make me reasonable offer. Cost me \$46.50. L. R. KRAMER, Wooster, O.

For Sale—Store and Greenhouses with stock of plants; situated in best part of United States; doing splendid business; wish to sell on account of poor health; good market for vegetable growing. Key 676, care American Florist.

For Sale—"Improved Capito! Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 1/2 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address MRS. ANNA J. PHARE, Willmar, Minn.

For Sale—Well established greenhouse business; 6000 ft. of glass; good location in St. Paul; easy terms; reason for selling, ill health. Can take possession at once. Address Key 673, care American Florist.

For Sale—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address Key 641, care American Florist.

For Sale—By widow, established florist business in Lake View, with ground and buildings consisting of: 2-story, 2-flat frame building, 4 rooms and bath each; office adjoining, 12x18 ft., under glass, concrete cellar, 3 greenhouses, 24x70, 20x70 and 20x60, with boiler, concrete posts and benches. Ground 120x125 ft. on corner. Fixtures, stock and soil on hand. For location, terms and other particulars, apply to BURNS & TAUB, 69 W. Washington St., Chicago. Tel. Randolph 5446

Wanted—Florist's daughter wishes to correspond with some good florist. Address Key 675, American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Wanted to Rent—Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land in good town or city. Address "FLORIST," P. O. Box 164, Allen, Mich.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Wanted At Once.

NURSERY MANAGER

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

FOR SALE.

Florist business, seed department, tools, etc.: two greenhouses, hot water, fully stocked; four lots, 50x150; planted with shrubs, roses, perennials, etc.; only two and one-half years old; all in first-class condition; the nucleus of a fine business; lack of capital the reason. Address

F. T. MANAHAN, Receiver, No. 8 So. Lincoln St., SPOKANE, WASH.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line; good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,

1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR QUICK SALE.

Nearly new greenhouse; cement and pecky cyress, on cedar posts; 58,000 sq. ft. under glass; fully stocked; and equipped with piping and all other tools, pots, and a lot of glass, peaty, lead and oil; 5 acres of land; 3 new boilers; Skinner sprinkling system; in good town of 5,000; close to large markets; doing good business. On account of age and poor health must sell at once. This is your chance. Full information on request. Fred A. Gleason, Box 157, Greenville, Mich.

First-Class Storeman.

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time

Key 656, care American Florist.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 18, 1912.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Auditorium Hotel, Michigan avenue and Congress street, Chicago, Wednesday, August 21, 1912, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

Lexington Hotel

Michigan Blvd. and 22nd St., Chicago, Illinois

500 Rooms, Fire-proof



The Lexington is a high class residential, tourist and Commercial Hotel, located just outside of the congested "loop district," and within ten minutes' ride on two electric surface lines of the Theatre and Shopping District. One block from "L" Station. Three of the best moderate price Cafes in the City.

The Lexington is located within five blocks of the Coliseum, where the S. A. F. Convention will be held, on the city's most prominent thoroughfare.

RATES: { \$1.00 per day up, without bath.
\$2.00 per day up, with private bath.

Write or wire us at our expense for reservations.

J. E. MONTROSE
CHARLES McHUGH } Proprietors.

T. V. STRAIN,
Manager.

Montreal.

MIDSUMMER TRADE SATISFACTORY.

The midsummer trade so far has been very satisfactory. Everything sells and at times there is quite a scarcity of cut flowers, especially during a time when there is a funeral rush like last Monday. Several deaths of notable people occurred on the same day and some retailers had to scrape the last flowers to fill orders. The replanting of roses is about done and the last chrysanthemums are benched. The earlier are making a rapid growth. Carnations in the field are not looking well. The extreme heat, which lasted for ten days continuously, proved to be too much for them. They appear to be dry and hard and it will take some time to move them again.

NOTES.

The annual picnic of the Montreal Gardeners and Florists' Club was held July 17 at Maple Grove. The attendance was not very large, but was large enough to make the outing most enjoyable. Some of the prize-winners in the games were: Ladies' race—Mrs. Miles, Mrs. Luck, Mrs. Hazel. Ladies over 40—Mrs. Horabin, Mrs. Whiting, Mrs. Piddinck. Members' race—E. J. Hayward, H. Idisningh, T. McDonald. Members past 40—T. Arnold, G. A. Robinson, J. Luck. The tug-of-war resulted in a victory for the team captained by A. C. Wilshire. The bean guess was won by Mrs. Griffin and A. Britton.

The Montreal florists are making elaborate preparations for the coming convention, Aug. 6-9. A record-breaking attendance is expected and all will be assured of a hearty welcome. The space for the trade exhibit is being rapidly taken up. The ladies' committee is at work preparing to receive and entertain the lady delegates, and every delegate will be made welcome.

ATTRACTIVE VACATION TRIPS

Write for a copy of **Wabash Summer Tour Book** outlining many very attractive vacation tours at moderate cost. Among them will be found

New York and return \$27.00
Boston " " 25.60

etc. Let us help you plan your summer outing trip. Address

F. H. TRISTRAM

Asst. Gen. Pass. Agent

68 West Adams Street - - - - - CHICAGO

A. C. Wilshire has sold his land in Outremount. There was 42,000 feet and it went at \$1 a foot. He has bought a new place of double the size further out for \$18,000.

Jas. McKenna is building a dwelling for his son Leo, who will be married next fall.

Mr. Cotter, the manager of the Montreal Floral Exchange, a native of

Boston, was elected a member of the Gardeners and Florists' Club.

T. Gorman's greenhouses are being demolished to make room for the real estate men.

Hall and Robinson will pull down their big carnation house this season, but will run the rest till next June.

C. F. Hardy of the Canadian Florist, Peterboro, was a visitor in town recently. L.

**THE FIRST
CHICAGO CONVENTION**

—AND—

The American Florist

GAVE THE TRADE

NEW LIFE AND VIGOR

We thank the many friends who have so generously appreciated our efforts, and now solicit their renewed and continued patronage, so that we may aid in the creation of

GREATER PROSPERITY

—FOR—

Florists, Seedsmen and Nurserymen Everywhere

The Convention Number

To Be Issued August 15

WILL SHOW IN ITS ADVERTISING COLUMNS
WHAT THE TRADE HAS TO OFFER IN

EQUIPMENT AND APPLIANCES

Advertising rates are as usual, \$1 per inch, single column width, \$30 per page of 30 inches, with the usual discount on time contracts.

The American Florist
440 S. Dearborn St., CHICAGO

 **The Early Advertisement Gets There.**

Summer Roses Our Specialty

American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft

The above are the best roses at this time of year and we cut them especially tight for hot weather shipments. Buy direct of the grower. We grow all the stock we sell and guarantee it strictly fresh.

Price List

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	CARNATIONS		Per 100
Extra long	.....	\$2.50 to \$3.00	Extra long, O. P. BASSETT	.....	\$1.50 to \$2.00
24-inch	.....	2.00	Extra long, white	.....	1.50 to 2.00
18-inch	.....	1.50	Fancy pink	.....	1.50 to 2.00
12-inch	.....	1.00	FINE EASTER LILIES		
Short	per 100, \$4.00 to	6.00	Per dozen	.....	1.00
KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PEELES		Per 100	Per 100	.....	6.00
Extra long select	.....	\$6.00 to \$8.00	LILY OF THE VALLEY	.....	3.00 to 4.00
Medium length	.....	4.00	SWEET PEAS	.....	.50 to 1.00
Short	.....	2.00 to 3.00	ASPARAGUS SPRAYS	.....	3.00 to 4.00
			SPRENGERI	.....	2.00 to 3.00
			ADIANTUM	.....	1.00 to 1.50
			GALAX—Bronze and Green per 1,000,	\$1.00	
			NEW FERNS	per 1,000,	\$1.50

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

Phone, Central 1457

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

MARKET BETTER.

The market was very quiet the first part of last week, but took a turn for the better on Thursday when business picked up and trade was a little better. On Saturday there was very little good stock obtainable, but this was not due altogether to the increased demand but to the general shortening up of stock. Carnations on that day were practically off the market and what few asters there were in sold well and gladioli also moved freely. Roses had the call and many orders were filled with very tight stock, and American Beauties were pretty well sold up. Both the local and shipping trade were good and continued so until Monday when trade began to slacken up again. Peonies are still on the market, sweet peas are arriving in fair condition and asters are now much more plentiful. Some exceptionally fine Mrs. Francis King, Augusta and America gladioli are obtainable as well as many new varieties. The receipts of outdoor flowers are considerably smaller and orchids continue to hold up well in price. Lilies of very good quality are plentiful and the shipments of the new crops of roses are considerably larger. Lily of the valley is plentiful but the quality is not up to the standard, although a little choice stock is obtainable. Roses are of good quality and newer varieties, Prince De Bulgarie, Melody, Radiance, Lady Hillingdon and Mrs. Aaron Ward are having a good call. Killarney, White Killarney, Kaiserin, Augusta Victoria and My Maryland are in fine shape and American Beauties are also pretty good. Smilax and adiantum and ferns are much better and galax is also a little above the average. Good white roses were reported to be scarce during the week.

NOTES.

A. L. Vaughan and family have returned from a most enjoyable outing at Fremont, Mich., and the popular wholesaler arrived just in time to help his store force out with the brisk shipping trade on July 22. L. R. Bohannon and family are also at the Michigan resort and are having a royal good time. Mr. Vaughan says that the fishing in the White river district was fine and that he succeeded in landing a couple of fine brook trout and black bass.

The Cook County Florists' Association held a meeting at the Tavern, West Washington street, last Thursday, July 18, with all officers present. Several new members were elected and 10 new names were proposed for membership. A report of the picnic, held at Karthausers Grove July 14 was read and the outing proved to be a great success, as the club was \$50 to the good after all expenses had been paid.

The Illinois State Florists' Association will have a booth at the coming S. A. F. convention and all the members and their friends are cordially invited to make it their headquarters while they are in the city. C. L. Washburn jokingly says that A. C. Brown of Springfield and C. E. Gullett of Lincoln have volunteered to act as escorts to any of the young ladies who are in attendance.

Harry Garland is having a delightful time on his western trip and writes from Portland, Ore., that business is good and he is enjoying fine health. Mr. Garland expects to return home very shortly and will be ready to meet all his friends at the coming S. A. F. convention.

The A. L. Randall Co. is giving its store a thorough overhauling and the

painters have been busy at work for over a week. Another large ice box will be installed and Frank Johnson and his able assistants will be on hand with a large exhibit at the coming S. A. F. convention.

Hoerber Bros. are cutting some fine America, Mrs. Francis King and Augusta gladioli and are just starting to cut their first asters. F. C. Hoerber says that business is very good and that trade was very lively on Saturday, July 20.

Peter Weiler is busy getting the Superior Machine & Boiler Works' exhibit ready for the S. A. F. convention and thinks this is a splendid opportunity to show the trade what a fine boiler his firm really manufactures.

H. E. Dresel, with the Metairie Ridge Nurseries, New Orleans, La., attended his father's funeral at Crown Point, Ind., and spent a few days in this city this week.

Kyle and Foerster are receiving a good assortment of seasonable stock and showing a good grade of young American Beauty roses.

Percy Jones' store is being repainted and Wm. Abrahamson of the supply department is proving to be quite an artist with the brush.

Kroeschell Bros. Co. is making preparations to ship a carload of hot-water boilers to the Julius Roehrs Co., Ruthersford, N. J.

Chaz. W. McKellar is busy with the paint brush and is now putting on the finishing touches to his new store.

Baseball practice, July 25, at 5 p. m. sharp. Be on deck if you would like to play on the convention team.

A. Lazaroff, Peter Reinberg's shipping clerk, is away on his vacation.

E. E. Pleser, the Peony King, visited his farm at Villa Ridge this week.

Fred Wittbold's son Teddy is on the sick list this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

FULL SUMMER CROP OF ROSES,

CARNATIONS, VALLEY and NEW ROSES IN GOOD SUPPLY

Aaron Ward, Bulgaria (Mrs. Taft), Melody, Lady Hillingdon.

ASTERS now arriving
PINK and WHITEEASTER LILIES
FINE CROP.

Cattleyas, Smilax and New Ferns.

We are enjoying a good demand for Roses because our stock is clean and free from mildew and we cut our Roses tight and in bud so they are in the best shipping condition. If you can get good clean Roses during the Summer there is sale for them and you can get them from us. **TRY IT.**

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.		WHITE KILLARNEY, Specials	\$ 8.00
Specials		\$3.00		Fancy	6.00
36-inch		2.50		Medium	4.00
Medium		2.00		Good Short	2.00
18 to 20 in.		1.50			
Short stem	per 100	\$4.00 to 6.00		ASTERS	\$2.00 to 4.00
PRINCE DE BULGARIE, Antoine Rivoli or Mrs. Taft.		Per 100		CARNATIONS, extra fancy	2.00
Fancy long		\$ 8.00		" common	1.00
Medium		6.00		ORCHIDS, Cattleyas, per doz.	6.00 and up
Short		4.00		EASTER LILIES	10.00
MELODY, fancy long		\$ 8.00		STOCKS, fancy, per doz.	\$0.50 to 1.00
Medium		6.00		Marguerites	1.00 to 1.50
Short		4.00		Feverfew, per bunch	.35 to .50
MRS. AARON WARD.				VALLEY	3.00 to 4.00
Fancy Long		\$ 8.00		DAISIES, field	.75
Medium		6.00		SWEET PEAS	\$0.50 to .75
Short		4.00		ADIANTUM CROWEANUM	1.00
RICHMOND, Specials		\$ 8.00		SMILAX, per doz.	2.00
Fancy		6.00		SPRENGERI, PLUMOSUS SPRAYS	\$3.00 to 4.00
Medium		4.00		PLUMOSUS STRINGS, extra long and heavy	each .60
Good Short		2.00		PLUMOSUS, strong, long, medium	each .45
KILLARNEY, Specials		\$ 8.00		FERNS	per 1,000 1.50
Fancy		6.00		GALAX	per 1,000 1.25
Medium		4.00		LEUCOTHOE	per 100 .75
Good Short		2.00			

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	15-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.

Good, 15.....\$8.00
Short.....6.00
.....4 00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$1.50
Fancy.....1.25
Good.....1.00

HARRISII.....8.00 to 10.00

NEW FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

John P. Degnan, with Winterson's Seed Store, is enjoying his vacation and Adolph Benesh is again back on the job in the supply department. Edgar Winterson is devoting his time to making some new counters and all his friends are ready to admit that he sure is some carpenter.

Phil. Schupp says that J. A. Budlong has just finished the planting of 120,000 carnation plants and has a nice lot of stock left over. His firm is cutting some very fancy lily of the valley for this time of the year and the quality is nearly equal to that of winter grown stock.

F. F. Scheel is making good use of his auto and is giving several of the young ladies in the market instructions on how to run a machine. One charming young stenographer in particular says that she regrets the fact that the instructions are not to be permanent ones.

The Chicago Carnation Co. is receiving an exceptionally fine grade of Mrs. Francis King, Augusta and America gladioli. Those of the latter variety are some of the finest of the season. A. T. Pyfer is very busy keeping the firm's books during Miss Parker's absence.

A. C. Kohlbrand, with the E. C. Ameling Co., left July 20 for Torch Lake, Mich., and intermediate lakes where the trout fishing is fine. He also expects to spend a few days at Goshen, Ind., with his family who are visiting with friends and relatives.

The Chicago Flower Growers' Association is offering a fine grade of stock of all kinds with gladioli showing up exceptionally good. Florence Schriver is the latest addition to the office force and is now filling the stenographer's position.

W. F. Duntemann of Bensenville

says that his violet plants are in much better condition now than they were last year and thinks there must be a shortage of plants in some sections, for the demand is unusually heavy.

Vaughan's usual early importations of French bulbs are due in New York this week. This firm filled their orders this week for Liliun Harrisii bulbs and moved another carload of sphagnum moss.

Tim Matchen says that both the local and shipping trade were very good at Peter Reinberg's store July 20, and that the young stock is now arriving in much larger quantities.

Wietor Bros. are having a good call for plants of all kinds and are about all sold out of chrysanthemums. Chas. Dressler, foreman of the shipping department, is away on his vacation.

Harry Hunt, of Hunt Bros., of Park Ridge and Evanston, will open a new retail store in the near future on North Clark and Roscoe streets, near the Northwestern elevated station.

Wm. Wolf has returned from a most enjoyable visit to Indianapolis and other Indiana towns and is again attending to his duties at the A. Lange store.

Clifford Pruner, E. H. Hunt's traveling man, is back from an out-of-town trip and is preparing to meet all comers at the S. A. F. convention.

S. A. Sinclair of Holyoke, Mass., was in the city this week to place his son to work at Poehlmann Bros. Co.'s greenhouse at Morton Grove.

Miss Harper, formerly with E. H. Hunt, is now assisting Miss Horton with the office work at Bassett & Washburn's store.

The John C. Moninger Co. is painting its many buildings and otherwise getting the place in tip-top shape for the convention.

Frank Oechslein's place is in fine shape and will be one of the objects of interest to visitors to S. A. F. convention.

Erne & Klingel are featuring a fine grade of adiantum and smilax this week and are still well supplied with peonies.

Otto W. Frese, with the Poehlmann Bros. Co., and Mrs. Frese left July 22 for a week's visit at Muskegon, Mich. Miss Charlotte Paradise, A. L. Vaughan and Co.'s bookkeeper, left July 20 to visit friends at Glen, Mich.

T. W. Campbell, of the Campbell Floral Co., Alberta, Canada, was a welcome visitor here this week.

Theo. Vogel ("Teddy"), with the Alpha Floral Co., left July 22 for a visit at Torch Lake, Mich.

Allie Zech and wife left July 21 for a visit to the northern resorts of Wisconsin and Michigan.

George Crabb, of Crabb & Hunter, Grand Rapids, Mich., was in the city this week on business.

Clarence Ellworth and Bill Shaw will leave soon for a week's outing at Bloomingdale, Mich.

Henry Kruchten is in charge of the John Kruchten store during his brother's absence.

A. E. Crooks, of Benton Harbor, Mich., was a visitor to this market July 23.

Harry Blewitt and Wm. Timme spent Sunday, July 21, at Crystal Lake.

Miss Amy Schultz, J. A. Budlong's bookkeeper, is visiting friends in Colorado.

J. Pffer, Weiland & Risch's efficient bookkeeper, is enjoying a well-earned rest.

Miss Martha Gunterberg is spending her vacation with friends in Wisconsin.

Curtis Kindler, of the Raedlein Basket Co., is "vacationing" at Fox Lake.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

NEW CROP OF BEAUTIES

And Other Roses. Fine Stock for Shipping Orders.

Send Your Orders Direct to the Grower and They Will Be Well Taken Care of

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland....		

Mrs Aaron Ward	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise.....	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations	1 50 to	2 00
Harrisii	per doz.	1 50
Valley	3 00 to	4 00
Sweet peas	75 to	1 25
Peonies	per doz.	50 to 75
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000		2 00

Secretary John Young of the Society of American Florists arrived July 21 and is busy with convention preparations. His address is care of the Auditorium hotel.

The J. B. Deamud Co. is filling a large number of orders for fancy asters and the proprietor jokingly says the quality is much better than those that he received last fall.

A special meeting of the Chicago Florists' Club will be held at the Union Restaurant, West Randolph street, Thursday, July 25, at 8 p. m.

Visitors: Mrs. W. H. Ford, Marshalltown, Ia.; A. E. Crooks, Benton Harbor, Mich.; G. L. Freeman, Wellfleet, Mass.

Cincinnati.

BUSINESS NEITHER BAD NOR GOOD.

Business can't exactly be called good and is not exactly bad. Last week the receipts were practically at the minimum and consequently clearances were regular. This week, however, reports, and first shipments show that there will be quite an increase in the cut. Fair prices ruled as a whole last week, though aggregate receipts were scarcely fair. The business on Monday of this week was good, but Monday, we must remember, is a general replenishing day, and it remains to see what will happen the balance of the week. With larger cuts it will take a greater call to take up everything. Gladioli and roses are in the best supply both in respect to quantity and quality. Both have been finding a fair market. Some very choice hardy hydrangeas are among this week's offerings. Asters are coming stronger and will in a very short time be a most important factor. Choice pond lilies have been finding a fairly good market. The sale for the fine giganteums and aratum lilies is

only fair. American Beauties sell well.

FLORISTS' PICNIC.

The florists of this city held their annual outing at Coney Thursday, July 18. The attendance was large and considerable enthusiasm was shown. The bowling attracted most of the people. The prizes for high score in single game were: Jos. Beran, first; Ed. Witterstaetter, second; C. E. Critchell, Chas. Witterstaetter and Chas. Murphy tied for third. In the boys' ball game the team captained by Ben George, Jr., was the winner. In the men's ball game, some difficulty was experienced in getting together two teams. The growers' team, captained by Ed. Schuman, was the victor. The first prize for the ladies' bowling contest—a fine handbag made by Mrs. A. C. Wechman, Jr.—was won by Mrs. R. Murphy. Mrs. Grandin was second and Mrs. Sunderman third.

NOTES.

Preparations are being made by local florists to attend the Chicago convention of the S. A. F. C. E. Critchell, A. C. Heckman, Jr., and E. G. Gillett are arranging for parties for the trip. Mr. Gillett has the diagram for a sleeper on the C., H. & D. to leave at 11:35 on the night of August 19. The berths will be ready at 9 p. m. Messrs. Critchell and Heckman are arranging for a daylight trip. They have two parlor cars and will leave about noon of the same day. Anyone desiring to join either of the parties should write or advise the gentleman at the head of the party he desires to join.

C. E. Critchell is again receiving those excellent gladioli from P. A. Coblenz of New Madison, O. Mr. Coblenz's gladioli in other years have always been of supreme quality and the first shipments of this year promise that the same high quality will be kept up.

PERCY

Not the Oldest

Nor the Largest

Just the Best

56 E. Randolph St., CHICAGO

JONES

Mr. and Mrs. Tom Hardesty are spending a few weeks up north at points along the Great Lakes.

Julius Baer had his large window decorated this week with a clever arrangement of ferns and small palms.

Visitors include Frank Farny, of M. Rice & Co., Philadelphia; Wm. Gardner, manager of P. J. Olinger's greenhouse, New Castle, Ind., and Jos. Molck, of Jeffersonville, Ind.

LAKE GENEVA, WIS.—August 3 is the date of the next flower show here.

PALMYRA, N. J.—F. R. Matsinger will sell his three greenhouses at public sale Tuesday, July 30, at 1 o'clock p. m.

Some of Our Specialties

ASTERS, Shell pink, \$1.50, \$2.00 and \$3.00 per 100.

Augusta Gladiolus, fancy \$4.00 per 100 **Mrs. Francis King and America**, \$6.00 per 100

Valley, - \$3.00 to \$4.00 per 100 **Roses**, - - - \$3.00 to \$8.00 per 100

Sweet Peas, - - - 40c to 75c per 100.

Fancy Ferns, best in Chicago, \$1.25 per 1000.

Mexican Ivy, - 75c per 100; \$6.00 per 1000.

We want a few new live buyers.

You can not miss it buying of us.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES { Central 2571
Automatic 48-734

CHICAGO

Oklahoma City.

Complaining of the heat seems to be the rule everywhere lately, but while we have had it 95 degrees above zero here the humidity has made it more comfortable than many places where the thermometer does not register such a high mark. Although the sun gets pretty hot for a while in the afternoon it doesn't burn things up but instead makes them grow. For instance, castor beans sown in the garden in April and allowed to grow where they were sown were 5 feet high with stems over 6 inches in circumference and showing flower buds by the middle of July. They will make trees 10 feet high before this season is finished.

The Stiles Co. is cutting a magnificent grade of gladioli. Among them are all of the new varieties and they certainly grow to perfection in this rich soil. The length of the spikes, numbers and size of the plants and the branching habits developed in many of the stems gives one the impression that conditions here are peculiarly adaptable for this popular flower.

F. Barteldes, head of Barteldes Seed Co., has been spending a few days here, leaving for his home at Lawrence, Kan., July 13. While here he was interviewed by the daily press and expressed himself as much pleased with the steady growth of his business in this city and stated that further enlargement of the company's buildings and land was contemplated.

Lon Foster, of the flower department at Barteldes', left Sunday for a month's vacation, going to Earlville, Tenn.

S. S. B.

Minneapolis.

Business the past week has been quite good, funeral work holding its own. Shipping business has been good for this dull season.

STATE ASSOCIATION'S PICNIC.

Most of the florists in the twin cities attended the Minnesota State Florists' Association's picnic, held last week at Spring Park, Lake Minnetonka. Lunch was partaken of from baskets after the contests, and all were anxiously awaiting the baseball game between the florists of the two cities. The game was a landslide for Minneapolis, the score being 17 to 1. The Minneapolis pitcher was invincible, and that accounts for the score. Dancing was indulged in through the evening, and

the prize waltz was won by Mr. and Mrs. Lunsden, first; Mr. and Mrs. Calvin Rice, second. Those from out of the city in attendance were Phil Foley of Chicago and A. Miller, of A. Henderson & Co., Chicago.

The results of the other contests were as follows:

Children's race, for small children only, prizes donated by Phil Foley of Chicago—Ethel Stern, first; Genevieve Christy, second; Dick Christy, third.

Children's race (under 10 years)—Robert Sterns, first; Elsie Puvogel, second; Rudolph Rudlinger, third.

Boys' race (under 15 years)—Phil Olson, first; Robert Sterns, second; John Busch, third.

Girls' race (under 15 years)—Laura Larson, first; Beatrice Munson, second; Elsie Puvogel, third.

Ladies' race—Helen Swanson, first; Ruth Peterson, second; Katherine Hagerty, third.

Men's race—H. Puvogel, first; S. Stefferson, second; John Rovick, third.

Ladies' and gentlemen's whirl and run race—Helen Swanson and S. Stefferson, first; Miss Warden and E. P. Lempe, second; Lillian Bussjaeger and H. Puvogel, third; Ruth Peterson and Max Hoesick, fourth.

Tug of war, between Minneapolis and St. Paul—St. Paul won. C. F.

Milwaukee.

DEMAND EQUALS SUPPLY.

There has been a considerable change in the market conditions, as growers are beginning to throw out their carnations and the demand is again equal to the supply. Carnations, however, are becoming very poor. Roses have shortened up. There are plenty of Easter lilies and sweet peas. Asters are beginning to make their appearance. Greens are plentiful.

NOTES.

Fred Schmeling and sons were accompanied by F. F. Delventhal and G. J. Rusch on an automobile trip to Fox Lake, Wis. They have returned after a successful week of fishing.

Allie Zeck and Mrs. Zeck are visiting Gust Rusch in Milwaukee while enroute to northern Wisconsin for their vacation.

A. Hare, of Holton & Hunkel, spent the week in touring the state with some of his friends in the endurance contest.

Walter Holton, of the Holton & Hunkel Co., is again on duty after an operation for appendicitis.

BEST TRAINS BETWEEN

ST. LOUIS AND CHICAGO

VIA

C. & E. I.

Chicago and Eastern Illinois R. R.

The Official Route to the
Convention of American
Florists at Chicago.

A Few of the C. & E. I.'s Unequalled Advantages:

LaSalle Street Station in the heart of Chicago.

Lounge-Grill Car Service.

Free Combination Club and Chair Car Service De Luxe.

Official Mail Route.

Restful Sleep.

Fewer Stops.

Locomotives Unequalled for Power and Speed.

Less Noise.

Observation-Buffer-Library Cars.

W. H. RICHARDSON
GENERAL PASSENGER AGENT
Chicago, Ill.

Henry Marquardt and wife are spending their honeymoon at Niagara Falls.

Miss Ella Voelske, efficient saleswoman of Gust Rusch & Co., is again on duty after a two weeks' vacation.

Walter Halliday is again in harness at the C. C. Pollworth Co. after spending his vacation at Lake Five, Wis.

Harry Mann, of Gust Rusch & Co., is on the sick list.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

ASTERS

LILIES

SWEET PEAS

GLADIOLI

ALL FANCY STOCK.

None Better on the Market.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....	4.00	3.00	2.00	1.00			
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	10.00	8.00	6.00				
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Sweet Peas.....	1.00	.75	.50				
Peonies.....	5.00	4.00	3.00				
Daisies.....	1.00	.75					
Auratum Lilies.....	8.00	6.00					
Gladioli.....	6.00	4.00	3.00				
Asparagus Plumosus Sprays..	4.00	3.00					
Asparagus Sprengeri Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Summer Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

The picnic of the Milwaukee Florists' Club was a disappointment as far as the attendance was concerned, due to the continual rain we had on Friday and Saturday. The people who attended report having had a good time. The following people were successful in the games: Nail-driving contest—H. V. Hunkel, first; Roy Currie, second. Nail-driving contest for ladies—Mrs. F. Holton, first; Miss Haasch, second. Peanut race for ladies—Miss Lenz, first; Miss Haasch, second. Potato race—Grechen Baumgarten, first; Miss Rector, second. Men's race—Harold Baumgarten, first; Roy Currie, second. The rest of the events did not take place on account of the late start.

Visitors: F. C. Kesting, West Bend, Wis.; Mrs. R. Miller, Racine, Wis.; Wm. Nero & Son, Cedarburg, Wis.; E. P. Holm, Holm & Olson, St. Paul, Minn.

MT. VERNON, N. Y.—Samuel J. Clark has brought suit for \$31.50 which he claims is due him for flowers furnished the L. J. Cody stock company.

GRAND ISLAND, NEB.—Williams, the Florist, is building a new greenhouse 20x116 feet. He reports that spring trade averaged up with last year and prospects are good for this fall, with bountiful crops.

St. Louis.

VERY LITTLE TRADE.

The weather is very warm and sultry and trade is at a standstill. To give or to attempt to give quotations on market would be a very hard task. There is plenty of everything and no demand. Sweet peas still hang on. Roses open up quickly. Carnations are small and sleepy-looking and many outside shipments arrive in a worthless condition. Your correspondent was in one house when a box of 200 Killarney roses arrived with about 1,000 carnations. The contents of the box were offered for one dollar and refused. Gladioli are now quoted from 1 to 3 and many unsold at these prices. A few choice Americas were sold at 4 to 5 in small lots.

NOTES.

Al Gunz, at Angermueller's, has returned from his vacation. Fred Alves, manager, expects his vacation after the heated term is over. He is very busy taking care of things during George Angermueller's absence.

The delegates to the S. A. F. convention will leave Monday, August 19, at 9 a. m. and will arrive at Chicago at 5 p. m., having chartered for their exclusive use a compartment club chair car.

Fred Ammann was a visitor at C. A. Kuehne's wholesale house Monday.

This firm has a nice supply of out-door as well as in-door flowers.

John B. Barnard, floral artist, was very busy last week. Funerals and weddings occupied his time.

Fred Bruening and Jules Bourdet are making large shipments of gladioli to George Angermueller.

C. De Weaver is shipping several thousand gladioli to the Wm. C. Smith Wholesale Floral Co.

J. J. Beneke is grandpapa again, his son and daughter-in-law being the proud parents.

Mr. and Mrs. George Angermueller, who are touring to Denver, have left Kansas City.

Adolph Brix is now in Europe. He is expected to return in September.

... Jablonsky is shipping some good white carnations to H. G. Berning.

Herman Mikaus, at H. G. Berning's, has returned from his vacation.

Fred Pape has been appointed assistant city forester.

W.

NEW ORLEANS, LA.—The election of officers, held by the New Orleans Horticultural Society at the annual meeting, resulted as follows: Herman Doescher, president; Max Schrinuck, vice-president; Chas. R. Panter, secretary; John Eblen, treasurer. Mr. Eblen has been treasurer for twenty-seven years and Mr. Panter has served in his present position for nine years.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St.,

L. D. Phone Randolph 6578

Chicago.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers and Greens

Gardenias a Specialty

A Trial Order Solicited

St. Louis Florists' Club Picnic.

The nineteenth annual picnic was held at Priester's Park, Belleville, Ill., Wednesday, July 17. About 300 were present and a very enjoyable time was had. Robert J. Windler, J. J. Beneke, Wm. C. Smith, F. J. Fillmore and W. J. Pilcher formed the reception committee and welcomed every one as they arrived. Al Gumz, Herman Mikaus, Walter E. Ogle, Wm. H. Osseck, J. Wm. Patton and Frank A. Windler were in charge of the games, and they were run off smoothly. The results were as follows:

Time walking match, for growers only, J. J. Beneke prizes—B. H. Pierce, first; George Madsen, second.

Young ladies' race, 30 yards, Retail Florists and F. A. Weber prizes—Miss R. Zender, first, hand bag; Miss C. Rennecke, second, umbrella.

Girls' race (under 16 years), handicap, 30 yards, Wm. C. Young and Florists' Club prizes—Miss Emmias, first, necklace; Miss Lowe, second, fan.

Boys' race (under 16 years), handicap, 75 yards, Florists' Club and Chas. C. Young prizes—Louis Schuster, first, catching glove; A. Schuster, second, ball and bat.

Weight-throwing contest, open to all, C. Kohler prize—W. Ogle, first, box of cigars; F. Sanders, second.

Ladies' ball-throwing contest, Belleville Florists and Retail Florists prizes—Miss Underwood, first, fern dish; Mrs. F. Fillmore, Jr., second, silk hose.

Young men's race (18 to 25 years), C. Young & Sons Co. prizes—E. Sanders, first, \$3; A. Ogle, second, \$2.

Married ladies' egg and spoon race, Wholesale Florists prizes—Mrs. Grossant, first, \$3; Mrs. Walter Weber, second, lunch cloth.

Tug of war, Rudolph Stork and Trustees prizes—Joe Hauser, first, box of cigars; A. Einman, second, box of cigars.

Novelty race, members only, Wholesale Florists prizes—C. Bergesterman, first, safety razor; F. Bruenig, second, knife.

Novelty race, for ladies, Geo. Waldhart prizes—Mrs. A. Bremer, first, \$3; Mrs. H. G. Berning, second, \$2 certificate.

Seed-guessing contest, open to all—St. Louis Seed Co. prizes, Mrs. Schoenle, first; Mrs. Becker, second. Schisler-Corneli Seed Co. prizes, R. Winkler, first; Miss Muldoon, second. Schisler Grain Co. prizes, Miss V. Spiegel, first; Mrs. F. J. Tillman, Jr., second. Tinsley

Seed Co. prizes, Mrs. Flanagan, first; Mrs. Bergesterman and Miss Carroll, second.

Buffalo.

TRADE VERY QUIET.

The expected change in the weather has come and many are thankful. Trade is about as quiet as the day after a picnic in a country town. Stock is equal to all demands and of the usual summer quality.

THE FLORISTS' PICNIC.

The florists' picnic is a thing of the past, but it was one of the most successful that the club has had for years. There were about one hundred and twenty-five there and all had a good time. There were ball games, running races and many other sports for old and young. The dinner was the best ever and the Bedwell House is to be congratulated. W. F. Kasting, S. A. Anderson, and W. J. Palmer were conspicuous by their absence, but L. H. Neubeck was there and umpired and judged. Also he made a speech at the dinner. Wm. Legg was among those present. He has never missed a picnic and talked very entertainingly to the rising generation about how the first picnic was managed by Wm. Scott, Sr., and W. J. Palmer, who in their time were the life of all the picnics. W. A. Adams had the pleasant task of all, as he spoke for the ladies. Henry J. Wise came from Erie, Pa., to be with the boys and Chas. Guenther came from Hamburg. Great credit is due President Greves. Joseph Streib and Robert Scott for their untiring efforts as a committee, and they are appointed as a permanent committee in the future.

BISON.

Nashville.

TRADE GOOD FOR TIME OF YEAR.

Trade does fairly well for this time of year. It is not particularly brisk, but then it has not dropped off altogether, and some days is quite good. The flower supply continues good, better than for most summer seasons, and in a little while the asters will be in abundantly and the phlox, snapdragons and other stuff of the kind will serve for side flowers. There are not only Harrissi lilies still on hand, but the rubrum, alba and speciosum are blooming abundantly also. All the growers are pushing forward the greenhouse work and have finished planting both carnations and roses for next winter's supply. Lilies of the

valley seem to be still on hand, in fact, the growers here have them all the time.

NOTES.

Out at Joy's all is business and work. They have finished planting both roses and carnations. They have had a good trade, not a few weddings and funeral work all the time. They have had a good crop of outdoor asters, plenty of good phlox and snapdragons, which grow in favor, and gladioli. They are still cutting some good American Beauties and have My Maryland and Kaiserin.

Geny Bros. say their summer supply of Kaiserin and My Maryland cannot be beaten and are getting better all the time. They have bedded their carnations and roses and the young plants are thriving nicely. Trade has been a little dull and they have had an abundance of flowers for all purposes.

Thomas H. Joy paid a recent visit to Chicago of several days, during which time he visited many or most of the wholesale and retail establishments. With Mrs. Joy he has also made a short visit of recreation to Horn Springs. M. C. D.

Nassau County Horticultural Society.

The monthly meeting of this society was held at Pembroke Hall, Glen Cove, July 10, Vice-President Barton in the chair. A letter was read from J. G. McNicol, accepting an invitation to act as judge at the fall show. Rob. Colquhoun was elected to active membership. The judges of the evening's exhibits were Messrs. Ashworth, Gant and Emslie, and the awards were as follows: 25 sprays sweet peas, pink, white and any other color, H. Baetcher, first; new garden peas, F. Petrocia, certificate of merit. G. Barton was tendered the thanks of the society for his collection of sweet pears. J. Marmoli won honorable mention for lettuce. Mrs. H. L. Pratt offered a silver cup for table decoration at the fall show. It was decided to have the dahlia exhibit Feb. 9. The question of moving the society's headquarters from Glen Cove to Mineola caused quite a discussion. It was decided to lay the matter over for further consideration. Prizes are offered at the next meeting for 12 mixed asters, 6 ears of sweet corn and 1 muskmelon.

JAMES MACDONALD,
Cor. Secy.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

George Reinberg Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Boston.

CLEANING UP FOR LATER ON.

It is hard to write when there is nothing to write about. The markets are about as dead as the rest of the flower markets in the country judging by reports. There is a sleepiness, and cobwebs are being spun over everything. Painting, polishing and a general cleaning up is attracting the usual florist just now, making preparations for the expected trade and getting things in ship shape for the winter. We have had two rain storms since last report. One broke all records for 40 years, over three inches for one day, Saturday. July 21 the mercury dropped to 39, from 100 the first part of the week and set us shivering.

NOTES.

A postal from David Welch, at Queenstown, says: "No sickness and a pleasant voyage." Lucky David.

George Harbison, foreman for W. H. Elliott, at Brighton, heard the call

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, July 24.	Per doz.
Roses, Beauty, specials.....	3 50@ 4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 24-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 6 00
" Killarney.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Prince de Bulgarie.....	4 00@ 8 00
" Radiance.....	4 00@ 8 00
" Mrs. Aaron Ward.....	4 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Melody.....	4 00@ 8 00
" Bride.....	2 00@ 8 00
" Bridesmaid.....	2 00@ 8 00
" Mrs. Jardine.....	2 00@ 8 00
" Kaiserin Augusta Victoria..	2 00@ 8 00
Carnations.....	1 00@ 2 00
Asters.....	2 00@ 4 00
Cattleyas... per doz.....	6 00
Daisies.....	75
Feverfew... per bunch.....	35@ 50
Gardenias.....	3 00
Gladioli... per doz.....	75@ 1 00
Lilium Harrisii... per doz.....	1 50 8 00@ 10 00
Marguerites.....	1 00@ 1 50
Stocks fancy... per doz.....	50@ 1 00
Sweet Peas.....	50@ 75
Peonies.....	2 00@ 4 00
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.....	1 50
Galax.....	1 25
Leucothoe.....	75
Plumous String..... each.....	60
Smilax..... per doz.....	2 00
Sprengeri, Plumous Sprays.....	3 00@ 4 00

of the sea and took passage with his wife and daughter for Scotland.

MAC.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

Wholesale Florists

160 N. Wabash Ave., CHICAGO

PHONES { Central 3155
Automatic 44-389

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing



Field Grown Carnation Plants

All The New and Best Commercial Varieties

SEND FOR COMPLETE LIST AND QUOTATIONS.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Cleveland.

ASTERS COMING IN.

The weather here has turned decidedly cooler the latter part of this week, which has caused a shortening up of the rose crop. Carnations are being replanted, the old ones being thrown out by many growers. This has caused a shortage. Asters are arriving in gradually increasing quantities, and by the middle of next week most growers expect to be in full crop. However, from most reports it would seem that the early varieties will not be as plentiful as in former years. The recent heavy rains have had a bad effect on sweet peas, many being damaged by wind and rain. Easter lilies are still quite plentiful and in the lack of carnations and asters have had a fairly good demand. Candidum lilies are in good demand. Water lilies seem plentiful and clean up daily. Good valley is a little scarce and the demand is good for first-class stock. A few novelties still arrive daily to help out the regular stock. Babybreath (gypsifilia) is meeting with a good demand. Gladioli, outside stock, is arriving in fairly good

Wholesale Flower Markets

	BUFFALO, July 24,	Per 100
Roses, Beauty, special	20 00	25 00
" " fancy	15 00	20 00
" " extra	12 00	15 00
" " No. 1	6 00	10 00
" " No. 2	2 00	4 00
Maid and Bride	3 00	6 00
Pink Killarney	3 00	6 00
White Killarney	3 00	6 00
Richmond	3 00	8 00
My Maryland	3 00	6 00
Kaiserin	3 00	8 00
Carnot	3 00	7 00
Carnations	1 00	1 50
Asters	1 00	2 00
Gladioli (in doors)	3 00	5 00
Lilium Longiflorum	7 00	10 00
Lily of the Valley	3 00	4 00
Swainsona	50c	1 00
Sweet Peas	per bu., 40c	
Adiantum Croweanum		75c 1 50
Asparagus, per bunch	35c	50
Asparagus, Sprengeri	35c	50
Ferns	per 1000, \$1 50	
Galax	per 1000, \$1 50	
Smilax		15 00

	BOSTON, July 24,	Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	20 00
" " culls	1 00	2 00
" " Bride, Bridesmaid	2 00	6 00
" " Extra	2 00	6 00
" " Killarney and Richmond	2 00	8 00
" " My Maryland	2 00	8 00
" " Carnot	6 00	12 00
Carnations, select	1 00	2 00
Callas	8 00	12 00
Cattleyas	35 00	50 00
Gardenias	6 00	12 00
Lilium Longiflorum	4 00	8 00
Lily of the Valley	2 00	4 00
Mignonette	3 00	6 00
Narcissus, yellow	1 00	3 00
" white	1 00	3 00
Sweet Peas	25c	75
Smilax	12 00	16 00
Snapdragon	6 00	8 00
Spiraea	2 00	3 00
Stocks	2 00	4 00

	St. Louis, July 24,	Per 100
Roses, Beauty, medium stems	25 00	30 00
" " short stems	2 00	4 00
" " Killarney	3 00	6 00
" " My Maryland	3 00	6 00
" " White Killarney	2 00	6 00
Carnations	1 00	1 50
Asters	2 00	4 00
Easter Lilies		10 00
Gladioli	2 00	4 00
Peas	40c	60
Valley	3 00	4 00
Asparagus Sprengeri	2 00	3 00
Asparagus Plumosus, per bu.	35c	60
Ferns, New, Fancy		1 50



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

	CINCINNATI, July 24,	Per 100
Roses, Beauty	per doz., 50c	3 00
" " Bride, Bridesmaid	2 00	8 00
" " Killarney	2 00	8 00
" " My Maryland	2 00	8 00
" " Perle	2 00	8 00
" " Richmond	2 00	8 00
" " Taft	2 00	8 00
Asters	2 00	5 00
Lilium Giganteum	4 00	8 00
Gladioli	2 00	8 00
Lily of the Valley	3 00	4 00
Adiantum		1 00
Asparagus Plumosus	per bunch,	25
Asparagus Sprengeri	per bunch,	25

CC POLLWORTH CO.

MILWAUKEE'S
LEADING PLANT,
CUT FLOWER AND
FLORIST SUPPLY
HOUSE.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

supply, and the stock looks good for early varieties. The demand for Swainsonia is good. Orchids are rather scarce, with the demand light. Greens of all kinds are plentiful. Peonies are still with us but the end is about in sight.

NOTES.

Miss Georgia A. Spratbury, book-keeper for the Jones-Russell Co., was married June 25 to Walter Tremaine. Mrs. Tremaine will remain with the Jones-Russell Co. for a short time, when she will leave and go to house-keeping. Best wishes and congratulations from the trade.

G. P. Shearer, of the Jones-Russell Co., was married July 15 at 7 p. m., to Miss Edith M. Logan, also of the Jones-Russell Co. They have the hearty congratulations and best wishes of all their florist friends.

C. A. Woodman, of the Cleveland Florists' Exchange, will leave soon for a week's outing at Meyers Lake, Canton, O.

Sigmund Zieschman is on an extended trip to Europe and does not expect to return until October or later. B.

SPOKANE, WASH.—The Spokane Greenhouse Co., a new wholesale concern, has been incorporated with a capital stock of \$20,000. The company owns 26 acres of land at Marshall, where it will build 20,000 feet of glass next spring. The officers are: C. T. Kipp, president; A. F. Biehler, vice-president; J. B. Austin, secretary and treasurer.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, July 24.	Per 100
Roses, Beauty, per doz., 75@3 00	
.. Killarney.....	3 00@ 8 00
.. Richmond.....	3 00@ 8 00
.. White Killarney.....	3 00@ 8 00
Carnations.....	1 00@ 2 00
Asters.....	2 00@ 3 00
Daisies.....	50@ 1 00
Gladioli.....	3 00@ 4 00
Lilium Giganteum.....	1.25 doz. 8 00@ 10 00
Sweet Peas.....	50
Swainsona.....per bunch,	35
Asparagus.....per string,	50
.. Sprenger, per bunch,	35
Fern, Fancy.....per 1000,	1 50
Galax.....per 1000,	1 50
Smilax.....per doz.,	2 00

PITTSBURGH, July 24,	Per 100
Roses, Beauty, special.....	25 00
.. extra.....	12 00@25 00
.. No. 1.....	6 00@ 10 00
.. Bride, Bridesmaid.....	2 00@ 4 00
.. Chateaux.....	2 00@ 4 00
.. Killarney.....	2 00@ 4 00
.. My Maryland.....	2 00@ 4 00
.. Richmond.....	2 00@ 4 00
Carnations.....	1 50@ 2 00
Cattleyas.....	50 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Sweet Peas.....	50
Violets, single.....	25
.. double.....	50
Adiantum.....	1 00
Asparagus Sprenger, per bunch,	35
.. Sprays.....per bunch,	35

PHILADELPHIA, July 24,	Per 100
Roses, Beauty, extra.....	20 00@25 00
.. first.....	8 00@12 00
.. Brides and Maids.....	4 00@ 6 00
.. Killarney.....	3 00@10 00
.. White Killarney.....	3 00@10 00
.. Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Gardenias.....per doz.,	1 00@2 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch,	50
Smilax.....	15 00@20 00

PENLYN, PA.—Campbell Bros. have started work on another large greenhouse.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Please mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO

Mention the American Florist when writing

New York.

NO PERCEPTIBLE CHANGE.

There is no perceptible change in the wholesale market. The supply has shortened up very much and the quality of stock that is arriving is very poor. In roses, American Beauties are of the best quality, and are most called for, but the other varieties in the last few days have become so very poor in quality and the blooms are so small that the bulk of them are unsalable. In carnations, the same conditions prevail. A few of the best are selling at a fair price, but the general shipments are poor and "sleepy." Lilies are doing somewhat better in price and are not so plentiful. Lily of the valley is not doing so well. The supply of orchids has shortened up and there is a very fair demand for the blooms of best quality. Sweet peas are very plentiful and prices realized for these are very low. Gladioli are moving nicely at better prices than a year ago. Asters, while increasing in quantity, are not of very good quality.

NOTES.

Harry A. Bunyard is receiving congratulations for the able manner in which all the preliminary details of the Sweet Pea Show in Boston were carried out. His re-election to the office of secretary was a foregone conclusion. Mr. Bunyard is now devoting much of his time to the local governing board, furthering the interests of the National Flower Show.

It is reported that the bowling team to represent the local club at the convention has been selected and the members are practicing daily on the quiet. All information as to their "form" is refused.

Siebrecht & Siebrecht have taken one of the new stores at 109 West Twenty-eighth street and will move in immediately when the building is ready.

S. Jacobs & Sons, Brooklyn, have issued an elaborate new illustrated catalogue of their specialties in greenhouse building, heating and ventilating materials.

Mr. and Mrs. Frank H. Traendly will have all of their family with them at the convention and will be the guests of Mr and Mrs. George Asmus.

A. M. Henshaw and Mrs. Henshaw are making a brief automobile tour while awaiting the completion of their bungalow at South Orange, N. J.

Joseph Fenrick is commuting daily to Bradley's Beach, N. J. He will take his vacation by attending the convention at Chicago.

Adolph Le Mout died at his home, 240 Echo place, July 22. The funeral took place July 24.

E. G. Hill, of Richmond, Ind., returned from Europe Friday and was the guest of Charles H. Totty for a few days.

Visited New York: W. P. Craig, Philadelphia, Pa. Y.

Philadelphia.

BUSINESS A NEGLIGIBLE QUANTITY.

It is hardly worth while to speak of business these days, as it is almost a negligible quantity, and yet a little Monday morning spirit is enough to turn everything upside down in the effort to get stock enough to meet the emergency. White roses are very poor—nothing much about but white Killarney, and that is so poor that it is almost a shame to call it by its name. Where is the white sport of My Maryland? Why does not some enterprising grower bring it out? Eastern American Beauty roses are good as are New York sweet peas. Gladioli are coming in in good shape. Asters are also to be had now in all colors and of fair grade. The greenhouse-men who make a specialty of plants have their tables full of stock coming

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and

P. H. GOODSSELL,

200 Broadway, New York City

J. J. HUNTER

Supt. of Sales Rooms and Warehouse

W. E. MAYNARD

157-159 William St., New York

in for the fall business, and while for the most part the business of last season was not quite up to the mark, yet all look forward and are preparing for the best ever. The Boston fern and its variations are to be seen everywhere, but palms, dracaenas, pandanus and other like plants appear to be in the hands of a few specialists who grow them in large quantities.

NOTES.

The one class of men who have great faith in the future are the florists' supply dealers and the way they are stocking up for the coming season is a revelation to those who are not in close touch with the business. Drayloads of huge cases are arriving daily until extra warehouses have to be obtained to store the stock until it can be handled or is sent out in case lots unopened.

Joseph Neidinger, who has just returned from Europe, says he secured a splendid line of the very latest from the best basket makers and will have a full line at the convention. He says his business is growing rapidly. Made up designs of metal, wax and other artificial flowers is a specialty with him.

The Leo Niessen Co. are featuring eastern American Beauty roses and New York state sweet peas.

Berger Bros. have as a leader lilies, the best they ever had at this season.

Messrs. H. Bayersdorfer & Co. and M. Rice & Co. are busy as bees sorting out the fresh importations and getting exhibits out for the convention where each will have large displays.

The S. S. Pennock-Meehan Co. are strong on the best local and New England roses. Asters are also an important factor and will be a leader with them for the next month.

Ed. Reid says you can not beat his lily of the valley. It is the real Reid brand. Very fair carnations are seen here. K.

Tacoma, Wash.

JUNE BUSINESS GOOD.

Business for the month of June was very good, with an abundance of cut flowers of all sorts. There seems to be no limit to the number of sweet peas and outdoor roses and the quality is equal to any thing that can be grown. Never have we seen such sweet peas on such long stems. Flowers two to three inches across on stems 12 to 20 inches are common—many of them not of the Spencer type either. One of the leading department stores has been handling a lot of them at "price 5 cents per big bunch, any color or quantity." There seems to be no limit to the outsiders who are "butting in" on the florists in this particular locality and it seems rather an up hill proposition for legitimate florists to pay such high rents and keep first class places in competition with outsiders, who somehow manage to produce something that a department store can handle and undersell with.

NOTES.

We wish all our readers could be with us on a trip throughout the city of Tacoma just to see roses as they grow here and see the rose arbors in our parks. S. L. H.

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

Reserve Your Order

J. J. HUNTER

Supt. of Sales Rooms and Warehouse

157-159 William St., New York

Washington

THE SLOW SEASON IS ON.

Business is about what may be expected at this season. It is true that there is not much doing, but nobody has been compelled to close up. In addition to general work there is an occasional wedding or luncheon which helps out. The best that can be said about stock is that there is plenty of it, such as it is. Roses are small and otherwise indifferent, as must be expected from the heat and humidity through which we are passing. Carnations are about gone. There are a few asters on the market, but they are of indifferent quality. Very good stock in gladioli and Easter and rubrum lilies is to be had, also good water lilies.

NOTES.

John J. Bickings of Good Hope, D. C., formerly of Ley & Bickings, has now been established in business for himself for about a year. We recently had an opportunity of looking over his place and found it very convenient and well kept. He has erected two houses, each 18x125, with concrete boiler rooms and a roomy potting shed. He has a good well and the water is lifted to the tank by motor power. He has also erected a large slat house for his large ferns in summer. His stock is practically all ferns, of which he grows the leading varieties. As he is a young man we expect to see him have good success, particularly if he pursues the excellent methods on which he has started.

The most notable social event of this week was the wedding at St. John's Episcopal church, July 24, of Miss Sally Garlington, daughter of Brig. Gen. and Mrs. Ernest A. Garlington, and Lieut. Harry Dwight Chamberlin, Seventh Cavalry, U. S. A. The elaborate church decoration was arranged by Geo. H. Cooke. Mr. Cooke and his employees had been planning to take a day off and attend the Washington Florists' Club outing at Chesapeake Beach, but the wedding order made this impossible.

Alex. B. Garden has been very busy for the past two weeks receiving the benches in three of his carnation houses. He has his own concrete machine and is cutting out all the old wooden benches in his carnation houses and replacing them with concrete.

M. J. McCabe of Washington and Good Hope is thinking of building a large rose house in the near future. A noteworthy feature of his place at present is a large stock of chrysanthemums which are making fine growth.

It having been reported that F. H. Kramer was bitten by a snake, many of his friends called and offered him their sovereign remedy. We are pleased to state that Mr. Kramer is suffering no ill effects from snake bite.

John Guttman of Congress Heights is another grower who thinks of enlarging his glass area, and he is likely, by next season, to have another large carnation house.

Theodore Dietrich of Congress Heights seems to be the first local grower on the market with asters in any quantity.

John Robertson is handling very good asters which are grown by C. Ellaby, Riverdale Md.

A. F. F.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in Supplies

Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone. 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax Leaves, Leucorhoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere

Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Traendly & Schenck,

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 { Madison Sq.
1665 {

Consignments Solicited

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
 Telephones, 1328. 1998 Madison Square
49 West 28th Street New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK July 24.	Per 100
Roses, Beauty, special	4 00@ 15 00	
extra and fancy	3 00@ 6 00	
No. 1 and No. 2	1 00@ 3 00	
Bride, Bridesmaid, special	1 00@ 3 00	
extra and fancy	50@ 1 00	
No. 1 and No. 2	25@ 50	
Killarney, My Maryland	1 00@ 2 00	
extra and fancy	25@ 1 00	
No. 1 and No. 2	15@ 25	
Richmond	15@ 2 00	
Carnations	15@ 2 00	
Cattleyas	15 00@ 50 00	
Gardenias	10 00@ 15 00	
Lilies, Longiflorum and Harrisii	1 00@ 3 00	
Lily of the Valley	1 00@ 2 00	
Sweet Peas, per doz. bunches	10@ 25	
Adiantum Croweanum	15@ 25	

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888 1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 551 Madison Square

CONSIGNMENTS SOLICITED.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employes) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Gardening on Corrugated Iron.

It often happens in and about a garden that it would be extremely convenient to use corrugated iron as a roofing material for some of the many sheds and shelters that are always wanted, or even for a summer-house. This ugly material has two good qualities, says a writer in The Garden, published in London; it is cheap and can be laid at a very low pitch, often a matter of importance when a shed is to be built as a lean-to against a wall that has no height to spare. But the thing is so unsightly that often the use of it is considered to be out of the question. The case, however, is not so hopeless as it may appear, for by the exercise of a little ingenuity the hideous expanse of corrugated iron can be made not only not unsightly, but actually a thing of beauty. It is done by putting four inches to six inches of soil on the iron, and growing on it such plants as will thrive on a shallow bed that is likely to become more or less dry. To guard against the danger of heavy rain causing the soil to shift before it has become consolidated and more or less matted with the roots of the plants, something, either of wood or iron, is fixed horizontally across the middle of the roof, or two such bars, if the roof measures much more than 12 feet from eaves to top. Angle iron, of a depth of not less than two inches, does well, but in such a roof in the present writer's garden the bar is a piece of wood about two and a half inches square in section. Another such piece is fixed just over the eaves to stop earthy debris from falling into the gutter. These bars were well coated with the thick paint refuse that painters call "smudge" to prevent rotting. The soil used was sandy peat, because it was more likely to be free from weeds than ordinary garden soil. A thin slab of fir with the bark on its fixed just in front of the gutter, so that both the gutter and the corrugated edge are hidden. The earth, being tightly packed together and consolidated by treading, was planted with



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood,.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze Basket, \$2.25; 6 baskets \$7 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

stonecrops—the three varieties, crimson, pink and white, of Sedum spurius, the pink S. Ewersii and the yellow S. reflexum. The effect is charming when the stonecrops are in flower, and when they are out of bloom the quiet color of the leaves and the small grasses that grow between, and what is seen of the earthy surface, so exactly matches that of the tiled roof of the old barn, to which it is a lean-to, that it quite escapes notice. The common stonecrop, Sedum acre, or any other of the genus can, of course, be used, but S. acre is not recommended, as it is apt to become a troublesome weed in a garden. If the soil on the iron roof is of a more loamy nature or partly calcareous, the houseleeks will do well. The common houseleek (Sempervivum tectorum) will make large patches, while the smaller alpine kinds, such as S. tomentosum and S. Lageri, will be quite at home. Wallflowers and snapdragons will also flourish, and will make a bright show in their seasons. All this supposes a roof with a southern or western aspect. If it looks to the north or east, other plants would be used, the first that comes to mind as the most desirable being the common polypody fern, which would in time entirely cover such an iron roof.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of
Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.
EVERGREEN. ALA.

Green Galax

Fresh Stock. New Crop.
40c per 1000.

We ship in any quantity. Let us have a trial order. Special prices on large quantities.

Mt. Mitchell Decorative Evergreen Co.,
HARVARD, N. C.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSSES**
E. A. BEAVEN, Evergreen, Ala

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn. New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail
Telephone, Telegraph and Cable orders with best
quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled
promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

July 30.

FROM BOSTON, Arabic, White Star, 11 a. m.

Ryndam, Hol.-Amer., 10 a. m.

July 31.

Caronia, Cunard.

August 1.

FROM MONTREAL, Lake Champlain, Can. Pac.

Baltic, White Star, 12 noon.

Laxonia, Cunard.

August 2.

FROM PHILADELPHIA, Manitou, Red Star,

10 a. m.

August 3.

Columbia, Anchor, 11 a. m., Pier 64, North

River.

Calabria, Anchor.

Philadelphia, American, Pier 62, North River.

FROM PHILADELPHIA, Dominion, American,

10 a. m.

Clyde, R. M. S. P., Pier 42, North River.

FROM MONTREAL, Athenia, Donaldson, at

daybreak.

August 4.

FROM MONTREAL, Scotian, Allan.

August 5.

Roma, Fabre, 3 p. m.

Kursk, Russian-American, 2 p. m.

FROM MONTREAL, Letitia, Donaldson, day-

break.

August 6.

Kronprinzessin Cecilie, North Ger. Lloyd.

Lusitania, Cunard.

FROM BOSTON, Franconia, Cunard.

August 7.

America, Navigazione, Pier 64, North River.

August 8.

Pannonia, Cunard.

Cedric, White Star, 12 noon.

President Grant, Ham.-Amer., 12 noon.

La Savoie, French, 10 a. m.

August 9.

FROM MONTREAL, Corsican, Allan.

From Quebec, Empress of Ireland, Can. Pacific,

3:30 p. m.

Goth, Barber & Co.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and theater
orders. Prompt deliveries and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.
Kansas City and
Pleasant Hill, Mo.

Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

560 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Andersou, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 98 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 168 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank E. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Gony Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Salford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1408 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. O. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS, Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Mention the American Florist when writing

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street,

CHICAGO.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Denver, Colo.

THE BOLDT-LUNDY
FLOWER SHOP

614 16th Street.

ORDERS SOLICITED.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hehl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

La Crosse, Wis.

LA CROSSE FLORALCO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Indianapolis.

UNUSUAL SCARCITY FOR JULY.

Market conditions are extraordinary. Since roses and carnations are almost out of the market and sweet peas and asters are very scarce we have the unusual condition of a scarcity of cut flowers in July. Good gladioli of desirable colors are not very plentiful, although there is an abundance of cheap mixtures of ill-shaped flowers and indescribable colors.

NOTES.

Chris Rodenbeck is the champion high jumper of the florist fraternity. He recently won the championship by a standing high jump onto the four and a half foot mahogany counter in Smith & Young's commission house.

Irwin Bertermann had to lay off two days to re-classify his twin boys who became slightly mixed during housecleaning.

The E. C. Amling Co. is shipping extra fine pink and white Killarney roses to this city.

George Wiegand, with his sister and mother, is on an automobile trip to Cleveland.

Homer Wiegand returned from the lakes with a fine string of fish (stories).

Carl Sonnenschmidt and H. Junge and family are off on a week's vacation.

H. Junge is going fishing next week. Adolph Baur is on the sick list.

H. J.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Camb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Poughkeepsie, N. Y.

"The Saltford Flower Show

Vassar College and Bennett School.

Rockford, Ill.

H. W. Buckbee

Heacock's Kentias

Of Decorative Sizes we have the following:

- 900 Kentia Forsteriana, 12-in. cedar tubs, 5 to 7 ft. high, made-up plants.
 260 Kentia Belmoreana, 12-in. cedar tubs, 5 to 6 ft. high, made-up plants.
 1,500 Kentia Belmoreana, 9-in. cedar tubs, 4 to 6 ft. high, single plants.
 850 Kentia Forsteriana, 9-in. cedar tubs, 4 to 5 ft. high, made-up plants.
 880 Kentia Forsteriana, 7-in. cedar tubs, 3 to 3½ ft. high, made-up plants.
 1,180 Kentia Belmoreana, 7-in. cedar tubs, 3 to 3½ ft. high, single plants.

All the Smaller Sizes in Great Quantities.

Pronounced by competent judges to be the finest lot of Home-Grown Kentias ever offered to the American Trade. They are Well Established, Strong and Healthy.

700 Cibotium Schiedii, in 7-in. pots and 9-in. tubs. Grand plants.

Price List for the Asking.

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

We are easily reached—only 25 minutes from Reading Terminal, Philadelphia. Fifty trains each way every week-day—so you can suit your convenience, both going and coming. Then you can see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Sizes, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. With increased glass devoted to Palms, our stock is much larger and in better condition than ever before.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station,
Jenkintown.

Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$10.00 per 1000; Poitevine at \$12.50 per 1000. These prices hold good only until Oct 1st.

Plumosus

My Plumosus has been right for the past fifteen years—it is better than ever now, the price is \$2.50 per 100, in any quantity wanted.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

Poinsettias

Fine 2½-inch plants, \$5 00 per 100
Ready Now.

STUPPY FLORAL CO., St. Joseph, Mo.

POINSETTIAS

July Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

ROSES

We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin.

Vincas, Variegated and Green.

Ferns, Rooted Cuttings and 3-inch. Bostons, Asp. Sprengerii, Plumosus, Maidenhair, Roosevelt, Whitmani and small ferns.

Special price on large plants of Whitmani and Bostons. Ask for same.
GEO. A. KUHL, Pekin, Ill.

Des Plaines Floral Co Carnations.

Des Plaines, Illinois

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$8.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

ASTERS.

Sample's Branching, best strain in white, pink and purple, fine plants from field. \$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100. \$14.00 per 1000. Primulas, Obconica and Chinese, strong 2½-in., \$2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

Budding Knife Free. See Page 27

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

CHICAGO.—Prices on the Board of Trade, July 24, for grass seed were noted as follows: Timothy, \$6 to \$8 per 100 pounds.

ONION seed harvest is beginning this week, being about one week later than last year. Set growers are asking for dry weather from this on.

TIMOTHY is lower, August \$7.25 bid, \$7.50 asked; September \$6.50 bid, October sold \$6.50 and \$6.25, closes \$6 bid; December and year, \$5.50 bid.—Chicago Report, July 20.

FRENCH reports of July 9 indicate a further shortage of white Roman hyacinths. The high price of 110 francs per 1,000 is reported to have been paid by growers recently.

VISITED CHICAGO: Mrs. E. Germain, proprietor of the Germain's Seed Co., Los Angeles, Calif., returning from the east. She goes to the coast via Alberta, Canada, where she will visit her daughter.

HARRISBURG, PA.—Application for a state charter has been filed by the State Grange of Pennsylvania. Among other things the new corporation purposes to distribute seeds and fertilizer to the farmers.

BISMARCK, N. D.—Oscar H. Will & Co. have purchased the large factory building erected some years ago by the Rhud Lumber Co. with Northern Pacific trackage. They will strengthen and improve the property for a seed warehouse.

REGARDING Roman hyacinths, it is reported that the French growers are selling the small sizes and this may make the larger sizes short again next year. It is also stated that the hyacinth disease now prevailing in the south of France was imported through Dutch stock of hyacinths sent there for growing for Christmas blooms. Dutch hyacinths as well as tulips of this season's crop are said to run small in size and there is not much probability of a surplus. Narcissus bulbs are being dug July 15 and look fine.

Government Seed Samples.

At the request of the Secretary of Agriculture, the Treasury Department directed July 13 that during the fiscal year ending June 30, 1913, 2-ounce samples of all importations of 100 pounds or more of grass, clover, and forage-plant seeds be prepared at the earliest practicable date after entry and forwarded to the seed laboratory, Department of Agriculture, Washington, D. C., labeled with the names and addresses of consignors and consignees, name of seed as given in the invoice, and quantity of the consignment.

NEW YORK.—Albert Koehler, cashier of Vaughan's Seed Store, Chicago, is in the city this week.

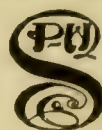
Pea and Bean Crops.

Well-informed growers, writing under date of July 19, say they cannot hope to make full deliveries of all varieties of peas and do not expect surpluses of many, if any, kinds. The crops of Alaskas in some parts of Wisconsin are good, but the Advancers, Admirals and Horsfords will be much lighter than of Alaskas. The Michigan acreage is very light this year and the yield is also light. The crops of peas growing in the new irrigated sections in the Rocky Mountain regions, (where the bulk of their seed was sown this year) are producing much less per acre than a year ago, and there is not likely to be any surplus. It looks now as though there may be a shortage of some of the varieties used by canners and probably some of other kinds used by seedsmen. Many fields have been sown to peas which were not suitable for that purpose, and a large percentage of the crops are being grown by farmers who never grew peas in quantities before and who have made mistakes in sowing the seed or in handling the crops or the irrigation water, which have seriously reduced the yield. This may be overcome to some extent hereafter, but this year's crop will certainly give a much lighter yield per acre than seed-growers have been expecting, in view of the crops grown in a few exceptionally fine irrigated fields last year. Nearly all crops were sown from two to five weeks later than usual and some of them have not been up more than ten or twenty days, and if these are caught by frost the crop will be seriously reduced.

The situation regarding beans is somewhat better than a few days ago. The crop made a very bad start, owing to the cold and dry weather prevailing in May and June, and beans are much later than they should be. However, the weather has been more favorable for the past ten days and most of the bean-growing sections have been favored with copious showers which is materially benefiting the crops. It is too early to give a definite idea of what the outcome will be, but we anticipate a fair return, providing weather conditions are normal during the balance of the season. The crop will be late—much more so than last year—and it will be necessary to have very favorable weather in the fall in order to secure the crop well-matured and in good condition. There seems to be an absence of blight this season, and while the growth is somewhat uneven, owing to the unevenness of moist conditions in the ground, the vines are healthy.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Discriminates Against Home Trade.

At a meeting of seedsmen in protest against the Bourne parcel post bill, held at the Burpee building, Philadelphia, Pa., July 16, a particularly interesting contrast between the rates proposed and those that are maintained under the international parcels post law was made by the assembled seed-growers. Publishing houses in Europe, according to the arguments advanced at this meeting, could, under the international agreement, mail to San Francisco or to any other city in the United States at a cost of four cents, the catalogue that would cost the Philadelphia publisher 12 cents to mail under the application of the Bourne bill. This fact, the growers say, would deal a death-blow to the book-publishing houses in the United States and leave an open field for the foreign printer who could publish American catalogues in Europe and ship them for the American firm at one-half the cost the citizen-publisher would undergo.

W. Altee Burpee, chairman of the Parcels Post Committee of the American Seed Trade Association, spoke of the Bourne bill as a regeneration of a system that was found ineffective in England 72 years ago and abandoned for the present excellent service now in effect there. The association, he said, is favorable to a union of the third and fourth-class mail matters, an idea which seems to be the main argument in favor of the proposed measure, but the adoption of the rates as incorporated in the law as it now reads he characterized as a destroyer of not only the American seed interests, but the printing, ink-making, advertising and publishing interests as well. The bill's adoption, he said, instead of helping the Postal Department to overcome a large deficit, would further handicap it. He based his argument on the fact proved by the English authorities that mail matter can be shipped more economically within long distances than it can within short distances. The Bourne law works exactly opposite.

The letter drafted to the big book-shipping concerns in the United States calls for prompt action through business heads and workmen alike in a common fight against what is declared to be a blow at the prosperity of long-established business. It is represented by the committee, and their action is indorsed by the Postal Progress League and by the several state societies who have interested themselves in the fight against the Bourne bill, that American firms cannot compete with the foreigner in the handicap of the proposed

**VICK QUALITY
SEEDS
PLANTS
BULBS**

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS
Seedsmen,
Rochester, N. Y.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.: \$1.50 per 1/4 oz.; \$5.00 per oz.
Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid. - - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet corn.

Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Godfrey Callas

2 1/2-inch, strong.....\$4.00 per 100; \$35.00 per 1000

Cash with order from unknown correspondents.

PATTEN & CO.,

Tewksbury, Mass.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

Lily of the Valley from Cold Storage
Order Now

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

FREESIAS

**TRUE
PURITY**



Mammoth, 3/4-in. and up.....\$25.00

Extra Size, 1/2 to 3/4-in..... 20.00

First Size, 3/8 to 1/2-in..... 17.50

Vaughan's White Seedling

Pure White, Per 100 Per 1000
long stem variety.... \$2.00 \$15.00

Vaughan's Seed Store,
CHICAGO. NEW YORK.

**Genuine Fresh
Tested Seeds**

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed....25c
1 oz.\$2.25

Price list on application. Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Contract Seed Growers

**Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.**

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Japanese Lilies

Spec. Album, 9 in.-11 in.....per 100..\$13.00
" Rubrum, 9 in.-11 in.....per 100.. 9.00
" Melpomene, 9 in.-11 in.....per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

California CALLA Bulbs

Place your order in time to secure your wants
in this stock.

Callas are still scarce and the quantity is limited.
Write for prices.

Write for prices on Dutch Bulbs.
M. M. CARROLL, Norwood (Cinti.), O.

Paper Whites

(First Shipment)

ARE AFLOAT

Due in New York about July 22.

FREESIAS HERE AND COMING ALONG

Order Now

Send in Your Supply Orders, Moss
and Fertilizers Orders to go
Along and Save Freight.

Vaughan's Seed Store,

CHICAGO. NEW YORK.

measure. The extra cost within each succeeding zone would mean an increased expenditure of hundreds of thousands of dollars each year or the complete abandoning of the catalogue and the sending by mail of the seeds, bulbs and other articles shipped that way at present. Europeans could take up the business under the international law at half the cost.

The Seed Trade Association Committee will prepare at once to make overtures to the Senate. They will represent the new law as an added handicap to the firms and also to the Postal Department, as it would establish at once a postage-rate zone around each of the 65,000 postoffices in the United States, thereby necessitating the weighing of all materials and the arrangement of the postage according to the distance from the mailing point, whereas now the weighing can be done in bulk.

The Seed Corn Scare.

(With Apologies to Walt Mason).

The seed corn scare has come and gone; we think it was a fake. The farmers are now catching on to things left in its wake. The business men, commercial clubs and bankers everywhere, they thought we were a lot of dubs and warned us to beware. They said our corn was on the bum, that it would never grow; it had been chilled and frozen dumb by fifteen feet of snow. The railway lines ran special trains upon a special day; they had trained men with special brains to give a special say. We hayseeds donned our gladdest gowns and grasped the steering wheels, and motored to the nearest towns to hearken to their spiels. The brakeman gave the brakes a twist as the train came rolling in; we saw the seed corn specialist and heard him swing his chin. The good things that I call to mind of the many things he said: "Good seed corn is as hard to find as teeth in a turkey's head. If you will plant untested seed, it is no idle boast, you'll have no corn to feed your steed or make your buttered toast. But plant the kind that's sure to grow, that tests as fine as silk, and this fair land will overflow with corn and buttermilk." He said to take a cracker box and sprinkle in some seed, and



"The Kenilworth Strain" of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

1912 SEEDS NOW READY 2000 seeds, 50c; 5000 seeds, \$1.00; 14 ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435-

Pansies in Separate Colors.

	1000 seeds
Giant Adonis, beautiful light blue.....	25c
Giant Emperor William, ultramarine blue.....	25c
Giant King of the Blacks, coal black.....	25c
Giant Lord Beaconsfield, violet shading to white.....	25c
Giant Golden Queen, yellow.....	25c
Giant Golden Yellow, with dark center.....	25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors.....	25c
Giant White, very fine.....	25c
Giant White, with large violet center.....	25c
Giant Red, a fine mixture of red shades.....	25c
Giant Royal Purple, fine large flower.....	25c
Giant Orchid Flowering, rare shades.....	25c
Giant Bronze and Copper Shades.....	25c
Giant Light Blue, delicate shades of blue.....	25c

Giant Dark Blue, deep blue shades.....25c
Giant Zebra Mixed Shades, striped.....25c
The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Mention the American Florist when writing

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000.
Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.
Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.
Cineraria Hybrida, \$3.00 per 100; \$25.00 per 1000.
Poinsettia, Immediate delivery, \$5.00 per 100; \$40.00 per 1000.
Araucaria Excelsa—Fine Stock. 3 tiers, 10 to 12 inches high, 45c.
3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 14 to 16 inches high, 75c.
Selaginella Emilliana, 2½-inch pots, \$3.50 per 100.
Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

fill it up half-full of rocks, and then that we should need to wet it down each night and morn and keep it good and hot, and see that every grain of corn was "Johnnie-on-the-spot." That seed corn spiel it was a beaut; we hoped he'd never quit, but the engine gave a warning toot—we had to hit the grit. It is a fact, sure as you're born, in spite of all this scare, we have a dandy stand of corn, and maybe some to spare. If any farmer doesn't know just what good seed corn is, to choose the kind that's sure to grow, he'd better quit the biz and don a ragged flannel shirt and join a dago crew, and go to heaving frozen dirt with a rusty No. 2. The railway men may snort and pop, the bankers saw the air, but if we grow a bumper crop we know they'll get their share. The business men, commercial clubs, will sing their gladdest tunes, and sell us wormy breakfast grub and mouldy, musty prunes.

D. B. KINNISON.

[We are indebted to F. W. Barteldes for the foregoing clipping from a western agricultural paper.—Ed.]



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Boddington's Gigantic Pansies

Can be produced only from the **giant strains**. Our **CHALLENGE PANSY** seed contains only the **giant self-colors**, the **giant striped** and **variegated** and the **giant blotched**, etc., all carefully mixed in proportion. You could not buy better seed if you paid **\$100 per ounce**. Our Challenge Pansy seed during the past season gave unprecedented satisfaction, and every order booked last year was duplicated and increased this year. All the testimonials received mentioned specially the high grade of flowers—color, form and size of the individual blossoms. This year, by adding improved types, intending customers can absolutely rely on a duplication of this season's success with increased satisfaction. Our "mark" for this strain is "**Challenge**," and it is all the word denotes.

Pansy—Boddington's "Challenge"—All Giants

This mixture contains all the finest Giant strains—of the leading Pansy Specialists in the world—the Giant self-colors, the Giant striped and margined, and the Giant blotched, etc., all carefully mixed in proportion—the finest that money can buy—the finest your money can buy. A florist who has grown it said: "Why don't you call it **Danfeanz**?"

½ trade pkt. 25c., trade pkt. 50 cts., ¼ oz. 75 cts.,
¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.00.

BODDINGTON'S QUALITY "ENGLISH" PANSY

A superb strain of highly colored flowers in great variety and immense size.

Our Mr. Bunyard, while visiting the Royal International Exhibition in London, was much impressed with these blooms and secured as much seed as possible—but only sufficient to offer same in packets which we do as follows:—

Trade Packet (500 seeds) for.....\$1.00
½ Trade Packet (250 seeds) for..... .50

OTHER CHOICE VARIETIES OF GIANT PANSIES

Tr. pkt. ¼ oz. ½ oz.

Triumph of the Giants. Extremely large flower of beautiful colorings. Should be grown by every florist..... \$0 50 \$2 75 \$5 00

Tr. pkt. ¼ oz. ½ oz.

Boddington's "Challenge" Mixture..... \$0 50 \$1 50 \$5 00

Giant Trimardeau, Mammoth-flowering and a good range of color 15 50 1 50

Giant Masterpiece (Fringed Pansy). Petals beautifully waved; exquisite colors 25 1 25 4 00

Cassier's Giant. A fine strain of large, highly colored flowers.. 15 85 3 00

Giant Bugnot's Stained. Extra choice flowers, large and plenty of light colors 50

Giant Madame Perret. A recent introduction by a celebrated French specialist; of strong, free growth 15 85 3 00

Giant Fire King. Brilliant reddish yellow, with large brown eyes.. 15 75 2 50

Giant Lord Beaconsfield. Deep purple-violet, top petals light blue 15 50 1 50

Giant Canary Bird. Ground color is a bright golden yellow and each petal is marked with a darker blotch 15 85 3 00

Giant Orchidaeflora, or **Orchid-flowered Pansy**. Splendid variety; beautiful shades of pink, lilac, orange, rose, terra cotta, chamois, etc. 25 1 25 4 00

Giant Emperor William. Ultramarine-blue, purple eye..... 10 50 1 50

Giant Golden Queen. Bright yellow, no eye 15 60 2 00

Giant Golden Yellow. Yellow, brown eye 15 75 2 50

Giant King of the Blacks (Faust). Black 15 60 2 00

Giant President McKinley. Golden yellow, large dark blotch..... 15 85 3 00

Giant Prince Bismarck. Yellowish bronze, dark eye 15 75 2 50

Giant Pretiosa. Crimson-rose, white margin, violet blotch.... 25 1 25 4 00

Giant Rosy Lilac..... 15 60 2 00

Giant White. Violet spot..... 10 60 2 00



Challenge Pansy.

NOVELTY PANSIES.

	Tr. pkt.
ADONIS . Light blue, with white center.....	\$0. 25
ANDROMEDA . Rosy, with lavender tints.....	25
BRIDESMAID . Giant flowers of rosy white....	25
EMPEROR FRANCIS JOSEPH . Pure white, large violet spots	25
MAUVE QUEEN . A delicate mauve Pansy, the lower three petals marked with a large blotch of carmine	25
PSYCHE . Violet, bordered white; beautifully waved petals	25
PEACOCK . All the name implies; a most beautiful vari-colored variety; peacock blue, edged white	25
RUBY KING . Superb crimson and red shades....	25
SNOWFLAKE . Pure white; immense flower.....	25
VULCAN . Giant brilliant dark red, with five black blotches; unique	25
Collection of the above 10 varieties, one packet each, for	2 00

Boddington's Giant Pansies to Color.

Named Varieties Mixed.

For our customers who desire special shades in Pansies we have pleasure in offering the following:

Light Shades, Yellow Shades, Spotted Shades, Striped and Mottled, Dark Shades, Blue Shades, Bronze Shades, Red and Brown Shades, trade pkt. 25 cts., ¼ oz. \$1.00, ½ oz. \$1.75, oz. \$3.00

ARTHUR T. BODDINGTON, Seedsman, 342 West 14th Street, New York

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Mention the American Florist when writing

Flower Colors

Use our **COLOR CHART** in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

To Exchange

Choice Coniferous Evergreens for Palms, Ferns, Clematis Paniculata seedlings, Hybrid Tea Roses, Chrysanthemums. What have you?

The Greening Nursery Co., Monroe, Mich.

Mention the American Florist when writing

CHRYSANTHEMUMS

In order to make room, we offer the following first class stock of Chrysanthemums at the following prices:

Bonnafon
Enguehard
Balfour
Halliday
Pockett's Crimson

Pacific Supreme
Byron
Golden Glow
Poehlmann

October Frost
Intensity
Tousett
Amorita

Linwood Hall, Yellow Eaton and White Chadwick.

From Sand, \$1.50 per 100; \$12.50 per 1000.

October Frost, Intensity, Enguehard, Linwood Hall, Halliday, Pockett's Crimson and Crocus.

From pots, \$2.00 per 100; \$15.00 per 1000.

J. D. THOMPSON CARNATION CO., **Carnation Specialists,** **Joliet, Ill.**

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St. CHICAGO

PRICE, ONE DOLLAR, POSTPAID.

HYDRANGEAS For July and August Flowering.

We have a large stock of very fine plants, well set with buds, which will show color early in July, and will be in perfection during July and August—the months when they are most in demand for summer decoration at watering places, etc. Our stock is large, so that we can supply plants in carload lots, if wanted. Plants in ordinary butter tubs, \$2.00 and \$3.00 each; if wanted in new cedar tubs, painted green, with iron handles, \$1.00 each additional. When ordering, state whether wanted in butter tubs or new cedar tubs. Extra large specimens in half barrels, \$5.00 and \$7.50 each.

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:

Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 ea.
Giatrasi, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.
Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each.
Magnifica, **Muscoca**, **Elegantissima Compacta**, 3½-in. pots, 25c each.
Giatrasi, **Viridissima**, **Bostoniensis**, 3½-in. pots, 15c each.
Small Ferns for Fern Pans, assorted varieties, 2¼-in., \$3.50 per hundred.

Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

Asparagus Plumosus Manis, 2¼-in. pots, \$4.00 per 100

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

POINSETTIAS

Extra strong 2½-in. pot plants.

Shipped in paper pots, \$6.00 per 100, \$50.00 per 1000.

CHINESE PRIMROSES

Very best strain, 2½-in. pots, \$3 per 100, \$25 per 1000.

Asparagus Plumosus, for planting out, extra heavy 3-in., \$6.00 per 100; \$55.00 per 1000. 500 at 1000 rate.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Mention the American Florist when writing

Field-Grown Carnations

Limestone land. No stem rot.

10,000 R. P. Enchantress, 7,000 Enchantress
3,000 Dorothy Gordon, 1,000 Victory,
\$6.00 per 100; \$55.00 per 1000.

2,000 White Wonder, 300 Gloriosa,
\$5.00 per 100; \$75.00 per 1000.

6,000 White Enchantress,
\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.
W. Farko, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio

Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

Petris Wimsetti	Pteris Adiantoides
Petris Wilson	Pteris Wimsetti Multiceps
or Nobilis	Pteris Serrulata Variegata
Pteris Mayii	Cristata
Pteris Hastata	Pteris Cretica Albo-Lineata
Pteris Magnifica	Cyrtidium Falcatum
Pteris Serrulata	Aspidium Tussimense

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

McHUTCHISON & CO.

17 Murray Street, NEW YORK.

Bay Trees and Boxwood.

BOXWOOD.

Standard.	Each	Pair
18-26 in. stem, 18 in. crown.....	\$3.00	\$5.00
Bush.	Each	Doz.
12 in.....	\$0.35	\$3.60
15 in.....	.40	4.50
		30.00

Ampelopsis Veltchil (Japan or Boston Ivy).

	Each	Doz.	100
4-inch, pot grown.....	\$0.30	\$3.00	\$20.00

VAUGHAN'S SEED STORE,

31 W. Randolph St., CHICAGO.

BUDDING KNIFE FREE

See Page 27.

Chrysanthemums

Strictly First-Class Stock

Amorita, Col. D. Appleton, Major Bonnatton, Mrs. H. W. Buckbee, John Burton, Winter Cheer, W. H. Chadwick, Golden Chadwick, Diana, Maud Dean, Golden Eagle, Helen Frick, Lynnwood Hall, Ivory, Pink Ivory, Yellow Ivory, Iva, Mrs. J. Jones, Yellow Mrs. Jones, Klondike, Nakoya, Patty, Virginia Poehlmann, Chas. Razer, Rufus, Pres. Roosevelt, M. Loiseau-Rousseau, Early Snow, Skibo, Yellow Touset, Golden Wedding, Yanoma, Zenobia.

From 2-in. pots, \$3.00 per 100, \$25.00 per 1000.

Fairy Queen, Hartje & Elders pink Pompon for 1912.

From 2-in. pots, \$2.00 per ten; \$15.00 per 100.

Anemones, Pompons and Singles.

ELMER D. SMITH & CO., ADRIAN, MICH.

Grafted White Killarney

3½ and 4-inch pots, choice young stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office
131 N. Wabash Av.
Chicago, Ill.

Greenhouses
Hinsdale
Ill.



Type of
Giant Vaughan's
Pansies.

VAUGHAN'S "GIANT MIXTURE."

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; 1/8 oz., 60c; oz., \$4.00; 1/4 lb., \$14.00.

"International Mixture."

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$5.00; oz., \$10.00.

"Cut Flower Mixture."

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; 1/8 oz., \$1.00; 1/4 oz., \$2.00; oz., \$8.00.

GIANT PANSIES—Named Sorts.

	Trade Pkt.	1/8 oz.	Oz.
Masterpiece, new Giant curled	\$0.25	\$0.60	\$4.00
Yellow, immense flowers with dark eye	.10	.20	1.00
White, very large, with violet eye	.10	.20	1.00
Beaconsfield, light lavender and deep purple	.10	.20	1.00

CALCEOLARIA.

Vaughan's Extra Choice Mixture. Composed of the choicest selection of figured, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

CINERARIA.

Vaughan's Columbian Mixture. Made up by ourselves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

PRIMULA.

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

31-33 W. Randolph St.,
CHICAGO.

VAUGHAN'S SEED STORE,

25 Barclay St.
NEW YORK.

Vaughan's
Pansy
Seed
for Florists
Has Held
First
Place
in the
Trade
for over
20
Years

New Seed
Now Arriving.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Clematis Paniculata, strong 2-year old plants, \$10.00 per 100.

Poinsettias, from 2 1/2-in. pots, \$5.00 per 100; from 3-in. pots, \$6.00 per 100; from 4-in. pots, for specimen plants, \$1.00 per dozen.

Althernantheras, red and yellow, 2-in. pots, \$2.00 per 100.

Stevias, tall dwarf, variegated from 2-in. pots, \$2.00 per 100.

Cosmos, early flowering varieties, 2-in. pots, \$2.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins. Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100. Boston Ferns, 5-in., 25c each. Whitman Ferns, 4-in., 25c. Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

Vegetable Plants

Cabbage, Wakefield, Succession. All Head. Early and Late Drumhead. Early Summer. Winnigstadt. Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Am. Beauties

Choice 2 1/2 Inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

DAHLIAS

The best New and Standard varieties. Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, July 22.—Mushrooms, 25 cents to 40 cents per pound; lettuce, 15 cents to 20 cents per box; cucumbers, 40 cents to 45 cents per dozen.

Notes On Asparagus.

Most growers of asparagus stop cutting some time between June 15 and July 1, depending upon the age of the plantation and its condition. An old rule with market gardeners is to quit cutting when peas come into market. This for several reasons—the peas somewhat take the place of asparagus and the labor used for cutting can be transferred to the new crop. Where asparagus has been cut clean and the roots are deep enough to admit the use of a disc harrow, the proper treatment is to thoroughly disc the patch after applying what fertilizer we may wish to add. This discing must be thorough enough to destroy all weeds. Where the roots are too shallow for this treatment a good plan is to use a shovel plow and thoroughly hill the rows enough to cover all weed growths. We have used this hilling process with great success to subdue bad fields, simply hilling and harrowing down alternately during the cutting season. By following the hilling plan with mortar hoes we cover any bare spots, thus smothering any growth in a few days.

If for any reasons the cutting is to be continued a good plan is to cut only the strong shoots and allow the weaker ones to grow. This will give the root some connection with light and air and relieve the weaker plants entirely. By this method we can extend the cutting season several weeks without danger to the plantation. As regards fertilizer requirements, probably in most sections of the country potash is the controlling element. Asparagus is not easily injured by salt, hence such material as Kainit and muriate of potash can be used freely. Some growers use Kainit only, applying about a ton per acre. If complete fertilizer is used, one-half of the nitrogen should be nitrate soda, the balance blood or tankage. The phosphoric acid may be used likewise, one-half bone meal, the other part acid phosphate. The potash can be either hard wood ashes, sulphate muriate, potash or Kainit. Such a mixture should analyze about 12 per cent potash, 8 per cent phosphate and four to five per cent nitrogen. Of such a mixture 1,000 pounds per acre would be a fair dressing. We must realize the next year's crop is made in the next three months and that grass feeding is the secret of thick shoots and plenty of them. Asparagus has been a good crop in our section this season and prices have ruled a little lower than last year, but growers are well satisfied.

MARKETMAN.

BATAVIA, N. Y.—L. C. Stroh & Sons, florists, are increasing their greenhouse space by erecting about three thousand feet of additional glass.

Potato Seed Change.

The problem of potato improvement by the selection of favorable fluctuations or variations is intimately linked with that of "degeneration." That potatoes degenerate or "run out" naturally is an idea commonly held by the great mass of growers no matter where they may be situated. Many believe that this is a natural phenomenon—something to be expected and something which cannot possibly be avoided. A new variety comes into circulation, remains in the foremost ranks for a few years or until it reaches a period of old age or senility, and then gradually declines. Such is the generally accepted idea of the life of a potato sort. That certain varieties do appear to act in this peculiar manner cannot be denied. On the other hand, experience shows that other sorts which have been under cultivation a great many years do not appear to have lost in vigor or productive qualities during this long space of time. A good example is afforded in the Swedish sort known as Dala which is commonly grown in the province of Delecarlia (Dalarna). This potato is said to have been introduced about 150 years ago, yet is one of the best sorts now grown in that province.

The degeneration which is often noticed in potatoes is not regarded by our best authorities as due to any natural or inevitable "running out" of the sort, but rather to the effects of certain conditions which weaken the vigor and invite disease. Potatoes seem to reach their highest state of development under cool, moist conditions, seed tubers produced under such conditions usually giving better results than those grown in hotter and drier regions. Where potato growing is prosecuted in these latter districts, it would seem desirable to obtain seed frequently from districts which allow the maximum development of vigor. Where this practice is not followed, the vigor may gradually become weakened, resulting in a corresponding depreciation in yield and quality. Similar results in any case may follow neglect to discriminate between small, poorly developed tubers and those which are well developed and sound. Too often all the good sound tubers are sold or used for cooking while the poor, discarded, in many cases diseased tubers are kept for planting. Where this practice is followed there is bound to be a falling off in productivity. The evidence at present available goes to show that where suitable sorts are used and where suitable tubers of these sorts are utilized

for seeding purposes each year, the standard of a variety may be maintained indefinitely under all favorable conditions of soil and climate. Since some varieties are not adapted to certain conditions it is quite possible that their power to resist disease may become gradually reduced. This would seem to explain why certain varieties grown in comparison with others and under similar conditions for a number of years seem to be more susceptible to blight and other diseases than do neighboring sorts. Obviously, the first consideration is maintenance of vigor and control of disease and this implies very careful selection of seed tubers, careful cultivation, spraying and rotation of crops.—Canadian Seed Growers' Report.

Foreign Trade Increasing.

American imports of nursery stock plants, vines, etc., have been steadily increasing, having been \$1,850,000 in value in the fiscal year 1907 and \$2,768,000 in 1911, the latter amount comprising the following, rates of duty being shown in parenthesis: Fruit plants, tropical and semi-tropical for propagation or cultivation (free), \$20,435; hyacinths, astilbe, dielytra, and lily of the valley clumps (\$2.50 per 1,000), \$294,083; lily and calla bulbs (\$5 per 1,000), \$259,460; lily of valley pips, tulips, narcissus, begonia, and gloxinia bulbs (\$1 per 1,000), \$724,959; orchids, palms, azaleas, and other decorative greenhouse plants, preserved or fresh (25 per cent), \$301,314; same from Philippines (free), \$5,767; peony, iris, canna, dahlia, and amaryllis (\$10 per 1,000), \$28,450; roses (4 cents each), \$118,750; fruit and ornamental trees, deciduous and evergreen, shrubs and vines (25 per cent), \$94,299; myrobalan plum, mahaleb or mazzard cherry, manetti, multiflora and brier rose, 3 years old or less (\$1 per 1,000), \$75,380; pear, apple, quince, and St. Julien plum, 3 years old or less (\$2 per 1,000), \$72,739; trees, shrubs, plants and vines, commonly known as nursery or greenhouse stock, not specially provided for (25 per cent), \$629,839; all other bulbs, bulbous roots, etc. (50 cents per 1,000) \$140,637. The Government derived \$597,402 revenue from the foregoing in 1911.

American exports of nursery stock alone in 1911 aggregated \$337,988 in value, having advanced steadily since 1907, when they amounted to \$225,339. The bulk of such shipments has gone to Canada.—Daily Consular and Trade Reports.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

THE NEW
CARNATION

BROOKLYN

A Reincarnation of the old William Scott, but embodying additional and more important qualities.

The New "Helen" Pink

A beautiful Deep Pink after the style of the old Wm. Scott, lighter than Lawson, grand under artificial light. Highly built-up center, petals fringed; habit of growth all that could be desired. Very easy propagator, fastest growth of any Carnation. Flowers 3-in. and larger. Preliminary scoring, New York Florists' Club, 86 points. "Certificate of Merit." Horticultural Society of New York. TO BE DISSEMINATED 1911-1912.

ROOTED CUTTINGS, ready now, \$12.00 per 100; \$100.00 per 1000; 250 at 1000 rate.

Charles Weber, Grower, LYNBROOK, Long Island, N. Y.

R. G. Wilson, Fulton St. and Greene Ave., BROOKLYN, N. Y.

Chas H. Totty, MADISON, N. J.

ROSE STOCK

Sunburst

fine 3-inch stock, \$30.00 per 100.

Pink Killarney, My Maryland, White Killarney and Melody

3-inch stock, \$8.00 per 100.

Special Pink Killarney

4-inch, \$10.00 per 100.

Lady Hillingdon

A splendid lot of 4-inch plants, \$15.00 per 100.

These Roses are not picked over culls, but choice plants, grown specially for sale.

CHAS. H. TOTTY, Madison, N.J.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code: 5th Edition

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the "Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

Mention the American Florist when writing

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

Mention the American Florist when writing

ARAUCARIAS OUR SPECIALTY



Araucaria Excelsa, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glaucia and Robusta Compacta, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition.

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Belmoreana, 8-in. pots, made up of 4 plants, \$2.00. A big bargain.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00 each.

Cocos Weddelliana Palms, made up of 3 plants, 3-in., 15c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf.

Corypha Australis Palms, 5-in. pots, 20-in. high, 35c.

Ficus Elastica, Belgium or American stock, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Shasta Daisies, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.

Asters, 5 separate colors, 2½-in., 3c; Crego, white, pink and rose, 2½-in. pots, \$3.00 per 100.

Begonias Gloire de Lorraine and Lonsdale, pink, large 4-in., 30c to 35c; Glory of Cincinnati, 4-in., 40c to 45c.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c. Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to 6-in., 40c to 50c.

Boston, 8-in., 75c to \$1.00; 5½ to 6-in., 40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. Dish Ferns, now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼-in. pots.

1,000 My Maryland, 2¼-in. pots.

1,700 White Killarney, 2¼-in. pots.

2,000 Richmond, 2¼-in. pots.

1,500 Perles, 2¼-in. pots.

The above OWN ROOT stock we offer for immediate delivery at \$5.00 per 100.

RUSH YOUR ORDERS.

J. L. DILLON,

Bloomsburg, Pa.

ROSES

A SPECIALTY.

The Dingee & Conard Co., WEST GROVE, PA.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass

Mention the American Florist when writing

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and O. Marshallianum.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St., BROOKLYN, N. Y.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

BOSKOOP reports of July 11 indicate that stocks in that vicinity are looking finely this season to date.

NEW HAVEN, CONN.—The New Haven Nurseries Co. has been organized with a capital stock of \$20,000. The incorporators are Louis A. and Bertha G. Soldan and William F. Alcorn.

AUGUSTA, ME.—State Horticulturist Albert K. Gardner reports that his recent tour of inspection showed the Maine nurseries to be in good condition and the trees thriving well.

BIDDEFORD, ME.—A test case is being made of the suit against Nicholas Staples of Kennebunk, who was arraigned on a charge of violating the new law requiring the licensing of nurserymen. Nurserymen say the law is unconstitutional.

New Chinese Shrubs in Arnold Arboretum.

The number of new Chinese shrubs which promise to be hardy in this climate is naturally much larger than the number of trees, states the bulletin issued by the Arnold Arboretum. We can speak, however, only of a few of these now. Of lilacs Wilson found eleven species in China. Nearly all of these were discovered by him and most of them are now growing in the Arboretum where three species have been sufficiently tested to show that they will be hardy here. These are *Syringa pinnatifolia*, *S. Komarowii* and *S. Wilsonii*. The flowers and flower-clusters of the first are small and not conspicuous, but the deeply divided leaves are unusual among lilacs and form the chief interest in this plant. The others are large shrubs related to *S. villosa* with handsome foliage and flowers. More interesting, although not yet fully tested for hardiness, are *S. reflexa*, with long pendulous flower-clusters, thus differing from all the other known lilacs, and *S. Sargentiana* with long acuminate leaves and shorter nodding not pendulous flower-clusters.

The genus *cotoneaster*, which is valued chiefly for its black or red, often long-persistent fruits, has been poorly represented in our gardens as few of the species previously known have proved hardy here. Wilson, however, found an unexpectedly large number of new species of *cotoneaster* in western China and at least a dozen of these have passed through the winter without injury and promise to become valuable garden plants here. Among these may be mentioned *C. Dielsiana*, with weeping whiplike branches and small red fruits persistent late into the winter, *C. divaricata* with dark red fruits, *C. foveolata* with large leaves which turn in the autumn to brilliant shades of orange and crimson and black fruit, *C. moupinensis* also with black fruit, a plant remarkable in the brilliant colors the leaves assume here in the autumn, and *C. hupehensis*, a strong-growing, shrubby black-fruited species with graceful spreading

branches, ornamental white flowers and crimson globose fruit. Among the new spireas introduced by Wilson are three species which are now known to be perfectly hardy and to be among the most ornamental of all the numerous species and hybrids of this genus. These are *S. Henryi*, *S. Wilsonii* and *S. Veitchii*.

The Chinese witch hazel, *Hamamelis mollis*, a common shrub of the central provinces, has now lived unhurt in the Arboretum for two years. It is one of the late winter or early spring-flowering species and its flowers are said to be more beautiful than those of the other witch hazels. Several of the Chinese hydrangeas are uninjured by the winter. Among these may be mentioned *H. xanthourea* and its several varieties, all handsome shrubs with large corymbs of flowers. In *Exochorda Giraldui* New England gardens have a new and perfectly hardy plant of first-rate importance. It grows to a height of twelve feet or more and produces larger and handsomer flowers than the well-known Pearl Bush of gardens, *Exochorda grandiflora*.

Of the beautiful genus *abelia* we have before been able to cultivate only the hybrid *A. grandiflora*, so it is particularly gratifying that the large-flowered, strong-growing *A. Engleriana* proves to be hardy here. It is of interest, too, that the new monotypic genus *Kolkwitzia* flourishes here. It is a shrub from four to six feet high with large terminal panicles of flowers followed by crimson hairy fruits, and is related to *abelia* and *loniceera*. Another beautiful plant of this family, *Dipelta floribunda*, of a genus new to cultivation, with large and showy weigelia-like flowers, can also be numbered among the hardy Chinese plants.

Of Wilson's numerous honeysuckles which are flourishing in the Arboretum we can only mention now *Lonicera prostrata*, which promises to be a useful plant for covering rocky slopes and banks. It is very hardy and free-growing, with prostrate stems, small oval bluish-green leaves, small white flowers turning yellow when fading, and orange-red fruits; *L. Henryi*, a vigorous climbing plant which has preserved its large dark green leaves through the winter, and *L. tragophylla*, which in habit and general appearance resembles the woodbine of Europe, although the flowers are golden yellow. An important addition to very early-flowering shrubs is *Corylopsis Veitchiana*, with short pendulous racemes of primrose-yellow fragrant flowers produced before the leaves unfold. A majority of the large collection of Chinese brambles are uninjured, especially those showy species with nearly white stems, like *Rubus lasiostylus* and *R. coreanus*.

SPECIALTIES.

Rosks, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISHKILL
New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

—THE—

East End Nurseries Co.

ROSE
SPECIALISTS

Boskoop, Holland,

Beg to inform that their Annual Wholesale Rose Catalogue, including the newest and most up-to-date varieties, is now ready, and will be sent free to any address on receipt of postcard.

Mention the American Florist when writing

B. & A. SPECIALTIES

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

737
Ingham Place, **Chicago**

Index to Advertisers.

Advance Co The...	55	Florists Tel. Delv...	30
Alpha Floral Co...	29	Foley Mfg Co...	IV
American Importing Co...	44	Ford M C...	27
American Spawm Co	40	Fottler, Fiske,	
Ambling E C Co...	23	Rawson Co...	11
Anderson S A...	29	Freeman Mrs J B...	32
Andorra Nurseries...	42	Freeman & Sons...	53
Angermueller G H	25	Froment H E...	27
Aphine Mfg Co...	55	Frost Chas...	36
Aschmann Godfrey...	41	Galvin Thos F...	31
Atlanta Floral Co...	31	Garland G M...	56
Badgley Reidel & Meyer, Inc...	27	Gasser J M Co...	31
Barrows HH & Son	41	Geny Bros...	32
Bassett & Washburn	16	Giblin & Co...	53
Bassett & Weiler...	39	Goodsell P H...	26
Bayersdorfer H...	44	Good & Reese Co...	4
Beaven E A...	28	Gorham & Chapline	1
Berning H G...	25	Grand Rapids	
Berterman Bros Co	30	Flower Co...	31
Bide & Sons S...	30	Greening Nursery	
Bobbink & Atkins...	42	Co...	37
Boddington A T...	37	Growers Cut Flower	
Bodger J & Sons Co	35	Co...	27
Boland J B Co...	29	Gude Bros...	30
Boldt-Lundy Flower Shop, The...	32	Gunther Bros...	27
Bolgiano J & Sons...	35	Habermann Chas...	32
Bowe M A...	31	Hatcher, Florist...	32
Braslan Seed Grow Co...	34	Haven Seed Co The	35
Brecht Co The...	IV	Heacock Jos Co...	33
Breitmeier's J Sons	30	Heini John & Son...	29
Brown Bag Filling Machine Co...	35	Henderson A & Co	33
Bruns H N...	35	Herr Albert M...	33
Buckbee H W...	32	Herrmann A...	52
Budlong J A...	23	Hesse & Swoboda...	32
Burnett Bros...	11	Hews A H & Co...	111
Burpee W A & Co...	11	Hillinger Bros...	111
Caldwell the Woodsman Co...	28	Hines E Lumber Co	56
Camp Conduit Co...	111	Hitchings & Co...	52
Carroll M M...	35	Hoerber Bros...	23
Chicago Carn Co...	1	Hoffman Flo Artist...	31
Chicago Flower Growers Assn...	21	Hoffmeister Flo Co...	24
Chicago House Wrecking Co...	56	Holm & Olson...	30
Clark E B Seed Co...	11	Holton & Hunkel Co	35
Clark's Sons David	1	Home Cor School...	29
Cleveland Cut Flower Co...	31	Hooker H M Co...	50
Conard & Jones...	37	Hunt E H...	23
Cooke Geo H...	29	Hurt Edgar F...	35
Cotsonas Geo & Co	28	Igoe Bros...	44
Cowee W J...	44	Illinois Pipe Mfg Co	52
Coy H C Seed Co...	35	International Heater Co...	49
Craig Robt Co...	42	Interstate Tob Co...	55
Critchell C E...	25	Isbell S M & Co...	35
Crump Frank F...	30	Jackson & Perkins...	42
Daniels & Fisher...	31	Jacobs S & Sons...	56
Dards Chas...	30	Johnson J Oliver...	35
Deamud J B Co...	23	Johnson WW & Son	11
DesPlaines Flor Co	33	Jones Percy...	19
Detroit Flower Pot Mfg...	111	Kastine W F Co...	24
Dietsch A & Co...	IV	Keller Geo & Sons	111
Diller Caskey & Keen...	56	Keller J B & Sons...	32
Dillon J L...	41	Kellogg Geo M...	29
Dingee & Conard Co	41	Kentucky Tobacco Product Co...	48
Dorner F & Sons...	33	Kennicott Bros...	22
Dreer H A...	III	Kervan Co The...	27
Duerr Chas A...	30	Kessler W A...	27
Dunlop John H...	31	Kift Robt...	31
Eagle Machine Wks	52	Kohr A F...	50
East End Nurseries Co...	42	Kramer I N & Son...	111
Edwards Folding Box...	44	Kroeschell Bros Co	49
Eisele C...	39	Kruchten John...	22
Elliott W H...	24	Kuebler Wm...	27
Emmans Geo M...	39	Kuehn C A...	24
Erne & Klingel...	22	Kuhl Geo A...	33
Esperance L Nurs...	38	Kyle & Foerster...	23
Eyres H G...	31	LaCrosse Floral Co	32
Fish Henry Seed Co	35	Lange & Hurrell...	1
Florists' Hail Assn...	54	Langer A...	29
		Landreth Seed Co...	35
		Lecakes N L & Co	27
		Lederer John...	54
		Leedie Floral Co	
		Leonard Seed Co...	35
		Lexington Hotel The	14
		Lockland Lumber Co	56
		Lord & Burnham	
		Co...	49
		McCallum Co...	24

McConnell Alex...	29	Rusch G & Co...	25
McCoy L W...	32	Saakes O C...	31
McCullough's J M Sons Co...	25	Sabrinsky Jno F...	38
McHutchinson & Co	28	Saltford Flower Shop	32
McKellar Chas W...	21	Schiller, the Florist...	32
McKenna P & Son...	31	Schiller Adam...	54
Mangel...	29	Schlatter W & Son...	44
Matthies J G & Co...	54	Schling Max...	32
Masur S...	31	Schmidt J C...	33
Matthews Florist...	31	Schultz Jacob...	30
May & Co L L...	29	Scott John...	41
Meconi Paul...	27	Seattle Cut Flo Ex...	25
Mette Henry...	40	Shaffer Geo C...	31
Meyer John C & Co	48	Sheridan W F...	17
Michigan Cut Flo Exchange...	28	Situation & Wants...	23
Millang Chas...	27	Skidelsky S S & Co...	35
Moninger J C Co...	56	Smith A W & Co...	31
Moore Hentz & Nash	54	Smith E D & Co...	38
Morehead Mfg Co...	54	Smith Henry...	31
Mt Gilead Pottery Co	111	Smith P J...	27
Mt Mitchell Egg Co	28	Smith Wm C...	25
Munk Floral Co...	24	Smith W & T Co...	1
Murray Samuel...	30	Stanley Herbert...	41
Myers Florist...	32	Stearns Lumber Co...	50
Nat Flo B of Trade	56	Stoothoff H A Co...	55
N Y Cut Flower Ex...	32	Storrs & Harrison...	36
Niessen Leo Co...	24	Stuppy Floral Co...	33
Oechslein Frank...	38	Superior Machine & Boiler Works...	54
Oklahoma Seed Gro Co...	35	Syracuse Pottery Co	111
Paethorp P R...	111	Taylor Steam Trap Co...	51
Palmer W J & Son...	30	Texas Seed & Flo Co...	29
Park Floral Co...	30	Thompson Car Co...	38
Patten & Co...	35	Thomson W & Son...	53
Peacock Dahlia Fms	35	Thorburn J M & Co	11
Pedrick Geo & Son...	35	Totty Chas H...	24
Pennock-Meehan Co	27	Traendly & Schenck...	27
Penn the Florist...	30	Trimble W E...	23
Peters & Reed Poty	111	Greenhouse Co...	53
Pierce F O Co...	51	United Fertilizer...	23
Pierson A N (Inc)	36	Valentine Frank...	29
Pierson F R Co...	43	Vaughan A L & Co...	20
Pierson U Bar Co...	52	Vaughan's Seed Store	111
Pieters & Wheeler Seed Co...	34	I II III 35 36 38 39 54	
Pillsbury I L...	44	Vestals...	32
Pittsburg Cut Flo Co	24	Vick's Sons Jas...	34
Podesta & Baldocchi	31	Vincent R Jr...	139
Poehlmann Bros Co	17	Wabash R R...	14
Pollworth C C Co	11	Wagner Park Cons...	111
Pulverized Manure Co...	53	Walker F A & Co...	32
Quaker City Machine Works...	48	Ward & Co A M...	11
Raedlin Basket Co	24	Weber Chas...	41
Randall A L Co...	23	Weber F H...	32
Rawlings Elmer...	19	Weeber & Don...	35
Ready Reference...	45	Weiland & Risch...	23
Randolph & Mc Clements...	50	Welch Bros...	24
Reed & Keller...	53	Wertheimer Bros...	11
Regan Ptg House...	44	Western Seed & Irrigation Co...	35
Reinberg Geo...	23	Wietor Bros...	18
Reinberg Peter...	19	Wilks S Mfg Co...	55
Rice Bros...	25	Wilson R G...	29
Richardson W H...	20	Wittbold G Co...	29
Robinson JC Seed Co	11	Wittbold Henry...	32
Rock W L Co...	30	Wood Bros...	42
Rohnert Waldo...	11	Wolfskill Bros & Morris Goldenson	31
Routzahn Seed Co...	35	Wrede H...	35

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes. Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO



SPLIT CARNATIONS

Quickly, easily and cheaply Mended. No tools required.

Pillsbury Carnation Staple Patented 1908.

2000 for \$1.00 postpaid.
I. L. PILLSBURY, Galesburg, Ill.



No loss if you mend your split carnations with Superior Carnation STAPLES 50c per 1000 postpaid.
Wm. Schlatter & Son,



BEFORE 422 Main St., Springfield, Mass. AFTER

The Regan Printing House

LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES.

527 Plymouth Place. CHICAGO

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers



Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

Mention the American Florist when writing

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad to make our fall purchases.

?? Will You Place Import Orders ??

On first quality Cycas Leaves. Genuine Imported Waterproof Crepe Paper (trade-mark Westfalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: ILL.

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.,

286 North 9th St.,
BROOKLYN, N. Y.

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veitchii, 4-in., 50c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100, \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus Sprengeri, 2½-in., heavy, \$3 per 100. Plumosus, 3-in., \$4.50 per 100. Also moss fern (Selaginella) 2½-in., extra fine and bushy, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengeri seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus and Sprengeri, 2½-in. pots, \$2 per 100, ready. Seedlings ready in August 10th at \$1 per 100. Cash. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprengeri, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus for planting out, 3-in., \$6 per 100; \$55 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago.

Asparagus Sprengeri, 2½-in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Extra fine aster plants, transplanted, \$1 per 100; 2½-in. pots, \$2 and \$2.50 per 100; in best white and light colors. No overgrown pot plants, but fresh stocky plants just right to bench or plant outside. Danville Floral Co., Danville, Ill.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

BAY TREES—Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

Diam. Crown.	Height of Stem.	Planted in tub.	Miss'n Plant	Each.	Box, Each.
18 to 20	24			\$ 4.00	\$ 5.75
24 to 26	36 to 40			6.00	9.00
28 to 30	36 to 40			7.75	10.50
32 to 36	36 to 40			10.00	14.00
38 to 40	36 to 40			11.50	16.00
42 to 44	36 to 40			16.00	20.00
46 to 48	36 to 40			20.00	25.00

Can supply Boxwood in pyramid, bush or standard. State size wanted.

WAGNER PARK CONSERVATORIES, SIDNEY, OHIO.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Bay Trees. Bobbink & Atkins, Rutherford, N. J.

BEDDING PLANTS.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

BEGONIAS.

Begonias. Lorraine, 2½-in., \$12 per 100; \$50 per 500. Begonia Glory of Cincinnati, \$20 per 100; \$175 per 1,000. Begonia Agatha, Turnford Hall, Betty Anderson, La Patrie, \$2 per doz.; \$12 per 100. Immediate delivery. These prices are for the trade only. J. Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Boxwood. Bobbink & Atkins, Rutherford, N. J.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberose, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorum, multiflorum, giganteum. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cinti.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

Canna roots. We will have two million roots, strong divisions, two or more eyes for 1913 delivery. We have grown cannas for twelve years; can supply every established beauty and many "freaks." Now contracting future delivery. State your needs. Advance orders get special prices. ALPHA FLORAL AND NURSERY CO., FRUITDALE, ALA.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.		
Strong, Sturdy, Healthy.		
	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	5.00	45.00
Pink Lawson	5.00	45.00
Winsor	5.00	45.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS., Chicago.

65,000 carnation plants out of sandy field; nice short, bushy and healthy stock for immediate delivery. White and Pink Enchantress, May Day, \$50 per 1,000. White Perfection, Winsor and Victory, \$45 per 1,000. 100 at 1,000 rate. Cash or reference. Write for prices on large lots. Northwestern Floral Co., Gross Point, Ill.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, Gloriosa, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Field-grown carnation plants, 425 Enchantress, 185 White Enchantress, 555 Sangamo, 50 Lady Bountiful. Good healthy plants at \$5 per 100. Cash, please. Edgar Easterday, Nakomis, Ill.

Good, field-grown White Enchantress Carnation plants, \$7 per 100; \$65 per 1,000. Cash. Otto J. Hembreiker, Lincoln, Ill.

Carnations Brooklyn. Rooted cuttings, \$12 per 100; \$10 per 1,000; 250 at 1,000 rate, Chas. Weber, Lynbrook, Long Island, N. Y.; R. G. Wilson, Fulton St. and Green Ave., Brooklyn, N. Y.; Chas. H. Totty, Madison, N. J.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$3 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. F. Dörner & Sons Co., La Fayette, Ind.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums. The best for florists' use. For list of varieties see advertisement elsewhere in this issue. Elmer D. Smith & Co., Adrian, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CHRYSANTHEMUMS.

To close out, we offer the following June stock, large 2½-in. stock ready to bench for immediate shipment subject to being unsold.

White.	Per 100
Smith's Advance	\$3.00
Pres. Taft	2.00
White Frick	2.00
Early Snow	2.00
December Gem	3.00
Thanksgiving Queen	3.00
Chadwick Improved	3.00
Yellow.	Per 100
Chrysolora	\$5.00
Golden Eagle	2.00
Golden Glow	Per 100
Roman Gold	\$2.00
Pink	4.00
Rosiere	Per 100
Unaka	\$2.00
Helen Frick	3.00
Mayor Weaver	2.00
Gloria	2.00
Pacific Supreme	3.00
Balfour	2.00
Maud Dean	2.00

Cash with orders from unknown customers.

C. C. POLLWORTH CO., Milwaukee, Wis.

In order to make room, we offer the following first-class stock of chrysanthemums at the following prices: Bonnafon, Enguehard, Balfour, Halliday, Pickett's Crimson, Pacific Supreme, Byron, Golden Glow, Poehlmann, Oct. Frost, Intensity, Touse, Amorita, from sand, \$1.25 per 100; \$10 per 1,000. Lynwood Hall, Yellow Eaton and White Chadwick, from sand, \$1.50 per 100; \$12.50 per 1,000. Oct. Frost, Intensity, Enguehard, Lynwood Hall, Halliday, Pickett's Crimson, and Crocus, from pots, \$2 per 100; \$15 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, rooted cuttings, and soil, all A No. 1 stock. 500 each Smith's Advance and Lynwood Hall, \$2.50 per 100. 5,000 Rosette, 1,000 each Touse, Halliday, Monrovia, Donatella and Pacific Supreme; 500 each Y. Jones, Mrs. Hurley and Baby, \$2 per 100; \$15 per 1,000. William Swayne, Kennett Square, Pa.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Oct. Frost, C. Touse, White Cloud, Kalb Queen, Mlle. Des Jolis, Florence Pullman, Yellow: Halliday, Col. Appleton, Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums, White Chadwick, 2-in., \$3; 2½-in., \$3.50. Helen Frick, 2-in., \$3. Yellow Chadwick, \$3.50, 2-in. Bonnafon, \$3. 2-in. Wonseller Greenhouses, Bryan, Ohio.

Chrysanthemums, Chas. Razer, Nagoya, J. Nonn, strong rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Leading 'mums, R. C. 2-in., 3-in. Make me an offer. F. A. Haenselman, Boulder, Colo.

CINERARIAS.

Cineraria, 2-in., frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2½; Dwarf double, 3c. J. L. Schiller, Toledo, O.

Cineraria Hyb., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

DAHLIAS.

Dahlias, new and standard varieties. Bassett & Weller, Hammonston, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracena indivisa, 3-in., \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100; 6-in., \$5 per doz.; 8-in., \$1.50 each. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$8 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Bostons, 2½-in., \$5 per 100; 500 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Adiantum Croweanum, 3-in., \$15 per 100. Specimen Bostons. Erie Floral Co., Erie, Pa.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, Nutt, Poitevine, Ricard, Doyle, Viald, La Favorite, ivy, rose, 2½-in., \$2 per 100; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, Nutt, Buchner, Viald, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-88 E. Randolph St., Chicago, Ill.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Green galax, 40c per 1,000. Mt. Mitchell Decorative Evergreen Co., Harvard, N. C.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, Ohio.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

Herbaceous plants. Bobbink & Atkins, Rutherford, N. J.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$18 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley plips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

PANDANUS.

Pandanus utilis and Veitchii. For prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 739 Buckingham Pl., Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Robelenii, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cycas stems, Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland road and E. 45th St., Brooklyn, N. Y.

Palms. Bobbink & Atkins, Rutherford, N. J.

PANSIES.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

POINSETTIAS OUR SPECIALTY.

Headquarters of the West.

2½-in., strong plants.....\$5.00 \$40.00

2½-in., extra strong plants.... 6.00 60.00

3-in., strong plants..... 7.50

All top cuttings. Ready middle of July. Orders booked now. We practice particular packing.

ROBER & RADKE, Ill.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Poinsettias, 2½-in., shipped in paper pots, \$10 per 100; \$50 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Poinsettias, \$5 per 100; \$46 per 1,000. Storrs & Harrison Co., Painesville, O.

Poinsettia, 2½-in., \$5 per 100. Stuppy Floral Co., St. Joseph, Mo.

PRIMULAS.

Primulas, 2-in., cool grown, stocky plants, main specialty for many years. OBCONICA, 200,000 of them, the finest stock ever sent out; true RONSODORFER and LATTMANN strains, positively best in existence. GRANDIFLORA, 10 separate colors or mixed. GRANDIFLORA FRINGED, 5 separate colors or mixed, 2½c. GIGANTEA, 5 separate colors or mixed, 3c. KEWENSIS, yellow, 3c. CHINENSIS, 11 separate colors or mixed, 2½c.

J. L. Schiller, Toledo, O.

Primula Chinensis, strong, bushy plants frame grown. Mostly red and pink, 2-in., \$2 per 100. Primula obconica grandiflora and fringed, Ronsdorfer strain in 15 separate colors, ready Aug. 2-in., \$2 per 100. Gig. p., \$2.50 per 100. Cash. C. K. Wisner, 2476 Cherry St., Toledo, Ohio.

Primulas, Chinese, Forbesii, obconica grandiflora, alba and rosea, \$2 per 100, ready Aug. 1. Obconica gigantea, Kermesina, \$3 per 100. Malacoides, ready July 20, \$2 per 100. Cash. Jos. H. Cunningham, Delaware, O.

Primulas, sinensis, \$3 per 100; \$25 per 1,000. Obconica gigantea (Arendsii), \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Storrs & Harrison Co., Painesville, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash please. J. W. Miller, Shilohmanstown, Pa.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2½-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons, W. & T. Smith Co., Geneva, N. Y.

Rhododendrons, Bobbink & Atkins, Rutherford, N. J.

ROSES.

CHOICE ROSE PLANTS.

	Per 100.	Per 1,000.
American Beauty, 3½-in.	\$5.00	\$50.00
American Beauty, 2½-in.	4.50	40.00
Jardine, 2½-in.	3.00	25.00
White Killarney, 3-in.	5.00	45.00

Ready Now. Order Early.

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

Roses, strong, clean stock, Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3½-in. pots, at \$6 per 100. Pink and White Killarney, grafted, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

BENCH ROSES CHEAP. 1,000 healthy 3-year bench roses; 250 Brides, 250 Maids, 200 P. Killarney, 200 Golden Gate, 100 M. A. Chatenay, all or part at 4c each. Archias Floral Co., Sedalia, Mo.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, East End Nurseries Co., Boskoop, Holland.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridemaid, 2½-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2½-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, Eng.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses, W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

	6 tr.	Tr.
Begonia Bedding Queen, finest pink	\$2.50	\$0.50
Gracillis luminosa, finest red	2.50	.50
Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, gloxinias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per ¼ oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everette B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Fresh tested seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onion, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brazilian Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop. Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 2½-in. pots, \$2 per 100; \$18 per 1,000. Samples on request. F. F. Scheel, Shermerville, Ill.

Smilax, strong 2-in. cut back, \$1.75 per 100; \$15 per 1,000. Cash. R. K. Stokesberry, Leetonia, Ohio.

Smilax, strong, 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, O.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

1,000 snapdragons, pure white, for winter forcing from pots, \$2.50 per 100. Danville Floral Co., Danville, Ill.

VEGETABLE PLANTS.

CELERY PLANTS—200,000 Self Blanching, 100,000 White Plume. Large stocky, well rooted plants, \$1.25 per 1,000. Have Pascal, medium sized plants, \$1 per 1,000. CABBAGE—Danish Ball Head, selected plants, \$1 per 1,000. Special low prices on large order of cabbage plants. Cash, please. W. C. LESTER, Wholesale Grower, Plainville, Conn.

Bull Nose and Chinese Giant Peppers, White Plume, Golden Yellow Self Blanching, Winter Queen and Giant Pascal Celery; good stocky, transplanted plants, 30c per 100. Cash. H. A. Cook, Oberlin, O.

Golden Self Blanching, Pascal and White Plume Celery plants, \$1.25 per 1,000. Danish Ball Head, Succession and Flat Dutch Cabbage, \$1 per 1,000. Cash, please.

W. C. Lester, 67 W. Main, Plainville, Conn.

Late cabbage and tomato plants to close out, \$2 per 1,000. Danville Floral Co., Danville, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newtown, N. J.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100, (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

To exchange, coniferous evergreens for palms, ferns, clematis paniculata seedlings, hybrid tea roses, chrysanthemums. The Greening Nursery Co., Monroe, Mich.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

Furnishes the
Most Nicotine for the Money!

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Pint.....	\$ 1.50
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

Bollers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water bollers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Bollers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or lard houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples. 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hildinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2034-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.

THE LOWELL THREAD MILLS.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Taylor Syphon Circulator. Taylor Steam Specialty Co., 36-38 Jackson St., Battle Creek, Mich.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Shootoff Co., Mount Vernon, N. Y.

Seed packets. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Ribbons and chiffons. Werthelmer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.
Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Riedel & Meyer, Inc., New York.
Bassett & Washburn, Chicago.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Elliott, W. H., Brighton, Mass.
Ford, M. C., New York.
Froment, H. E., New York.
Greater N. Y. Florists' Ass'n., New York.
Growers' Cut Flower Co., New York.
Gunther Bros., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennelroff Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuebler, Wm. H., Brooklyn, N. Y.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Lecakes & Co., New York.
McCallum Co., Pittsburgh, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Millang, Chas., New York.
Moltz & Co., New York.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Peohlmann Bros. Co., Chicago.
Pollworth Co., C. O., Milwaukee, Wis.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

That 10%

Edison Says "Success is 10 Per Cent Inspiration and 90 Per Cent Perspiration."

Time was that the man who rolled up his sleeves, spit on his hands, and worked the hardest, and mopped his brow the most, was considered the winner.

But nowadays the biggest, busiest, brainiest men don't even take their coats off.

But they are the gasoline and sparkers of the business—the 10 per cent. They are the directing power behind their employees—the perspiring 90 per cent.

Some greenhouse builders are as high as 98 per cent perspiration and 2 per cent inspiration—and their houses show it.

Nail this fact down in your mind—the more thoroughly all work is thought out and planned by the expert men in the office before it is turned out, the less "the men on the job" will have to do—the quicker the job can be completed and the surer it is of being surely right.

No other greenhouse concern in the country has the organization of expert men that Lord & Burnham has.

As a result, our houses are never cheap, but they are always worth all they cost.

Send for catalog.

We make every part of the greenhouse but the glass.
We sell any part.



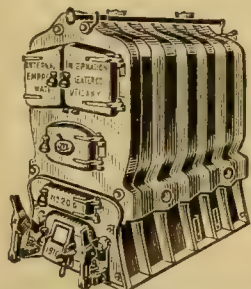
Lord & Burnham Co.

SALES OFFICES:

New York	Philadelphia
St. James Bldg.	Franklin Bank Bldg.
Boston	Chicago
Tremont Bldg.	Rookery Bldg.

FACTORIES:

Irrington, N. Y.	Des Plaines, Ill.
------------------	-------------------



Describe a First-Class Greenhouse Boiler.

Fuel capacity for the longest winter.

Simple enough to be fool proof and conservatively rated.

That is the International Emerso Boiler to a dot.

If you haven't one already, write us now.

INTERNATIONAL HEATER CO. UTICA, N. Y.



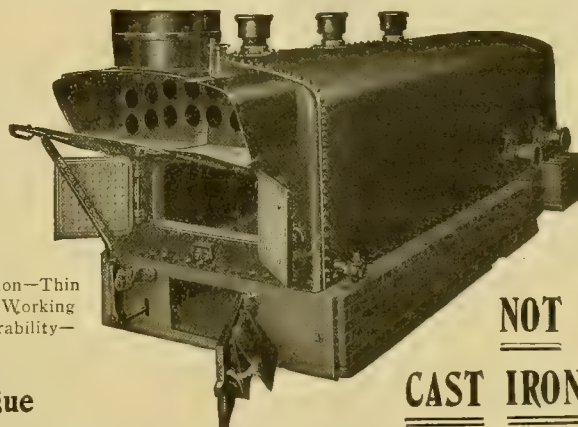
KROESCHELL BOILERS ARE BETTER THAN CAST IRON BOILERS WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The KROESCHELL BOILER has the Highest Standard of HEATING VALUES.

Immense Self-Cleaning Heating Surface. Longest Fire Travel—Perfect Combustion—Free Circulation—Thin Waterways—Guaranteed Working Capacities—Safety—Durability—Efficiency and Economy.



NOT
CAST IRON

Send for Catalogue

READ WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

Summer Heat at 20° Below Zero.

Your boiler is making summer heat up here although we had 24° below zero. Am well satisfied with your boiler and threaded tube piping system—it made a good job.
JOHN AHLSTROM, Elmhurst Fruit Farm, Spicer, Minn.

Kroeschell Saves One-Third Fuel—Boiler Durable.

In 1894 we bought one of your No. 12 boilers to take the place of four smaller boilers of another make. Your boiler has done the entire work to the highest satisfaction. SAVING LABOR and about ONE-THIRD OF THE FUEL we used to burn before. Had no repairs on it whatever, except one set of flues. Last fall we installed one of your No. 14 boilers, having enlarged our plant. It takes care of 35,000 sq. ft. of glass very easy. When firing we keep the ash door open only about one inch. We think your No. 14 boiler could carry 40,000 sq. ft. of glass.

DAMM BROS., Chicago, Ill.

Kroeschell Versus Return Tubular Boiler—Kroeschell Saves One-half the Coal.

The No. 4 Kroeschell Boiler purchased of you in 1909 has given the very best satisfaction—would wish no better. Have taken out return tubular boiler this fall, which used one-half more coal than your present boiler. Your boiler is so easy to regulate that in a few minutes I can run up the temperature very quickly. The return and flow connection with Generator, all work the very best according to your plans.

FRANK A. WAGNER, Tiffin, Ohio.

Temperatures Easily Maintained in Zero Weather—Kroeschell Runs All Night Without firing.

Your boiler is taking care of 3500 sq. ft. of glass but I expect to add that much more next season. Am not afraid but that the No. 1 boiler will take care of 7000 sq. ft. of glass, although it is only rated at 6000 sq. ft. I have had no trouble in keeping 65° at night and 60° to 70° in the daytime in zero weather. After we got used to firing, we attended fire about every five or six hours. We have not fired any night after 10:30 and not often fired before 6:00 o'clock in the morning.

H. N. PASKINS CO., Basil, O.

No. 7 Kroeschell Carries Over 16,600 Sq. Ft. Glass.

We put up another house 26 x 120 and supposed that we would need another boiler. The reason we inquired of you some time ago, but we were agreeably surprised to find that your No. 7 boiler which we bought in Sept., 1905, will heat it also with ease for our purpose. We are now heating 14,500 sq. ft. of ground under glass, or 16,616 ft. of glass without gable ends. We are well satisfied with the boiler.

EDWARD SCHUMANN & SONS, Cincinnati, O.

Kroeschell Piping System Is Great.

The new piping system works better than we had expected. We are able to heat the houses in little or no time.

WIRTH & GAUPP, Springfield, Ill.

KROESCHELL BROS. CO., 452 West Erie Street
CHICAGO, ILL.

GREENHOUSES:
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32' OR LONGER.
THE J. STORING LUMBER CO.,
NEWBURY, BOSTON, MASS.

Dreer's Peerless
Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
 714 Chestnut Street,
 Philadelphia.

FULL SIZE No. 2

SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Heating Leanto.

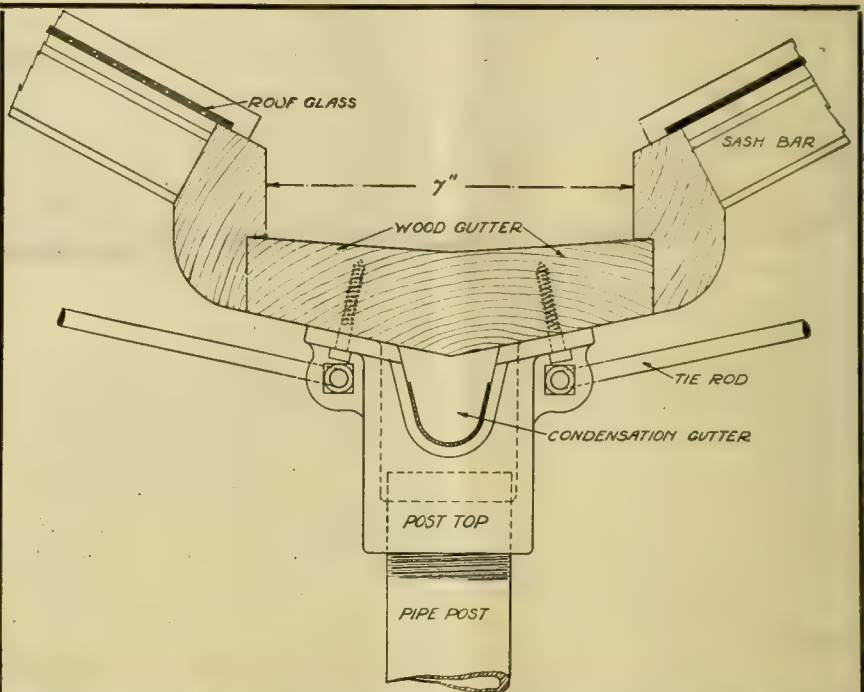
ED. AMERICAN FLORIST:—

I am erecting a house 11x43 feet for general purposes. It is situated to the rear of my other houses and runs east and west, while the other houses run north and south. So it is well protected from the north. I would like to erect a leanto on the south side of this greenhouse, to be built of sash. The main house is to be heated with hot water, 2-inch pipe. I have some 1½-inch pipe I would like to use for the leanto. How many runs of 1½-inch pipe would be needed to have the temperature at 50 degrees in the leanto while the main house is 60 degrees, heated with 2-inch pipe, both leanto and main house heated from same boiler? The leanto will be 30 feet long, five feet wide and five feet high at the highest part, with a 1-foot pitch. I am not asking about the main house, just about the leanto.

SUBSCRIBER.

In reply to "Subscriber" we would suggest that the leanto house can be heated by means of two 1½-inch pipes run along the back side of the leanto, and then carried around the end and back along the outside wall. If possible, all of the pipes should be given a gradual fall throughout their entire length.

NORRISTOWN, PA.—The Wayside Flower Store has changed hands, Devine & Crawford succeeding Devine & Fertsch. James Devine and Russel Crawford, the new owners, are well known residents of this place.



KING GUTTER

MADE OF

WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters. "AND THEN SOME."

Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.
 We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
 N. TONAWANDA,
 N. Y.

Boston Office
 Winthrop Bldg., 7 Water St.,
 Boston, Mass.

Eastern Sales Office
 1181 Broadway,
 New York

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
 Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

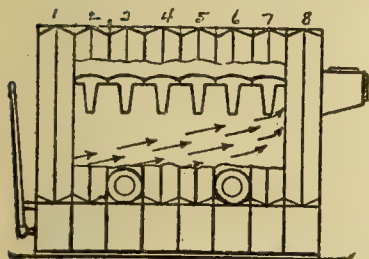
WHOLESALE GLASS AND PAINTS,

Long Distance Phone
 Monroe 4894.

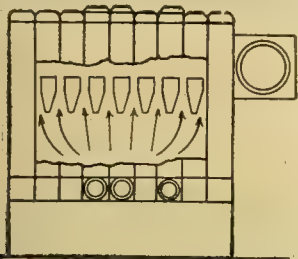
651-659 West Washington Boulevard, Chicago
 Near Des Plaines St.,

The Truth About Boilers

Being Number Two of Three Frank Talks



The arrows in this sketch show how boilers constructed with flue openings at back of boiler draw the flames away from the front sections, impairing their efficiency.



With the Burnham there is a flue between each section on both sides of the fire chamber. The flames come equally in contact with each section, making every section equally efficient.

boiler economy—you can well see that if the flue opening for the passage of the gases and smoke be at the rear of the fire box, that the draft will draw them diagonally from the front to the back of the boiler, as shown in cut No. 1. It is obvious that the rear sections must then be kept hotter than the middle or front ones. In short, each section is not equally efficient, which seriously effects a boiler's economy.

The Burnham, however, has flue openings between each section on each side, which allows an equal amount of hot gases to reach each section equally. As a result, each section in the Burnham is **EQUALLY EFFICIENT**.

It's plain to be seen the more heat a boiler harnesses up, the less coal you will have to buy—and, as we understand it, you want to spend as little as possible for coal. This being so, and

FRANK Talk

Number

One told

the whole

truth about

the deep fire

pots, direct

and indirect

surfaces and

just what they

had to do with

any boiler's

economy in

general and

the Burn-

ham's in par-

ticular. Its

general trend

spelled "how

to save coal."

In that talk

we compared

the tea kettle

with boilers.

Now let's

compare boiler-

s and A

BOILER—

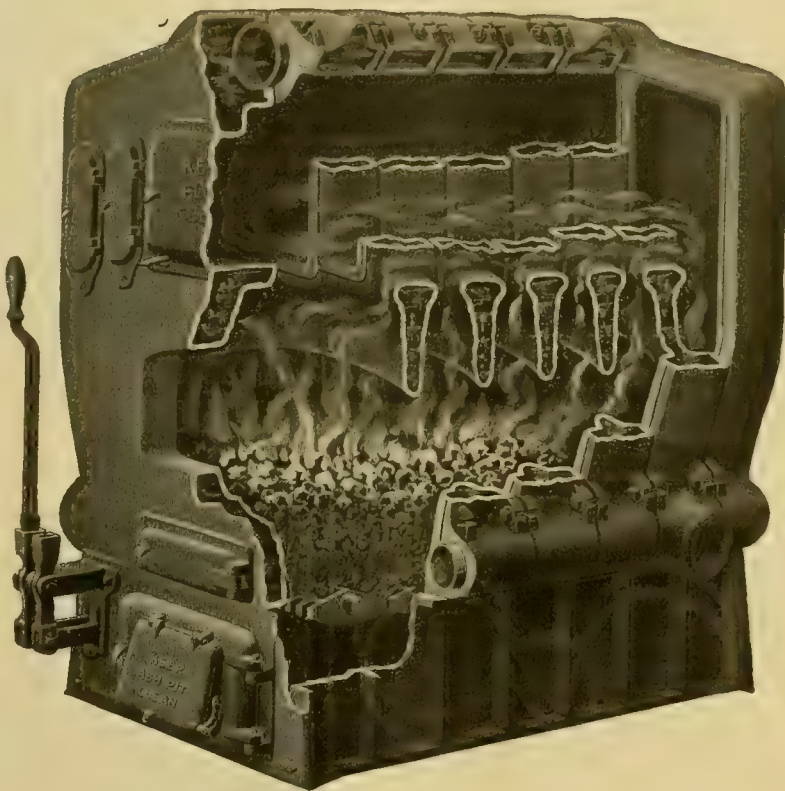
The Burnham

in other

words.

To get back

again to the



The Burnham

This cut-away view shows you its internal construction and workings.

you being about "ready to talk boiler," why not write us and give yourself the opportunity of knowing thoroughly every one of the Burnham's strong points?

We will not bound the life out of you; but you will get some straight, strong boiler economy facts, and it is facts you are after.

LORD & BURNHAM CO.

SALES OFFICES:

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Franklin Bank Bldg.

Chicago
Rookery Bldg.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

MASTICA

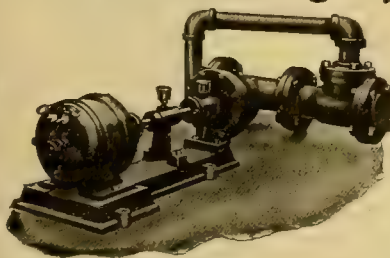
FOR Greenhouse Glazing

USE IT NOW.

F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

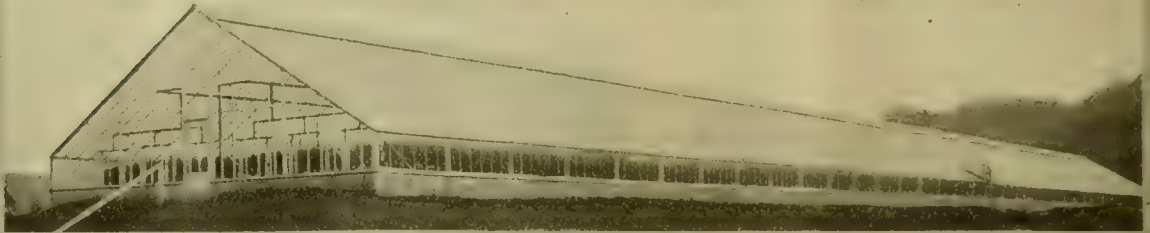
BATTLE CREEK, MICH.

This House at Summit, N. J. is one of our Iron Framers

It is 40x300 feet—Iron Frame with compression trussing. We have always talked a lot about this construction being decay proof, and now Mr. Hamman's experience last January is rather conclusive evidence that they are almost fire proof as well. A fire completely destroyed one of his sash

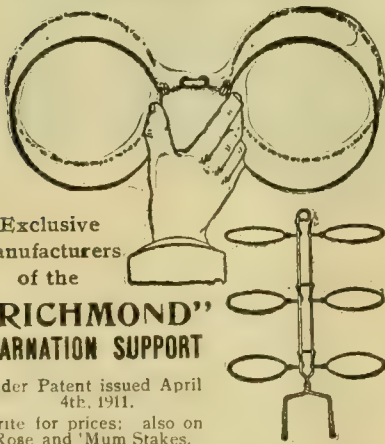
bar houses and communicated to this Iron Frame one through a connecting passage. It burned the bars only, a short distance each side of entrance, but left the framework itself entirely unharmed. New roof bars were easily and quickly put in, reglazed, and the house is as good as new.

Send for new catalog of commercial houses. It tells just the things you want to know.



Hitchings & Co., Elizabeth,
New Jersey

EAGLE MACHINE WORKS RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St.. NEW YORK.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaran-
teed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing



This is the U-Bar.
the bar that makes
U-Bar Greenhouses
the Famous Green-
houses They Are.

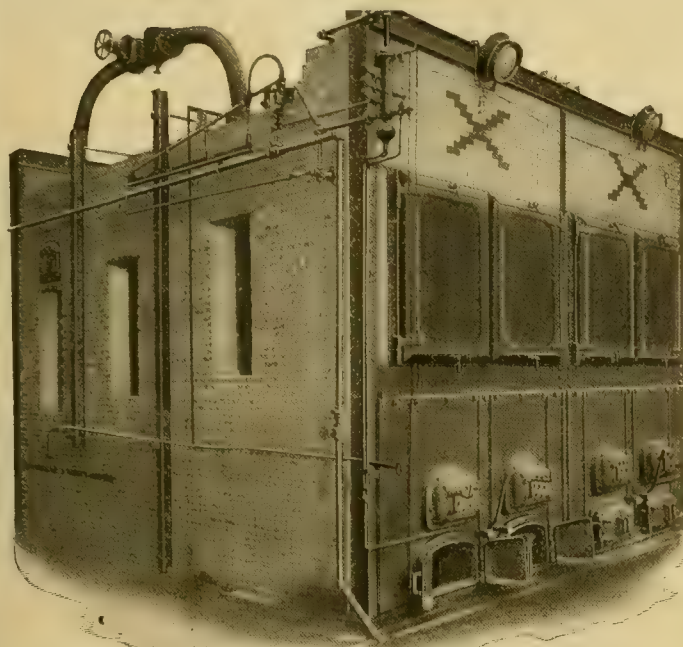
You can talk about the things cold frames will do for you "until the cows come home," but if you want real flowers, real bedding plants that you can count on being top notch year in and year out—then a greenhouse is the only thing. The only thing because it is the **sure thing**. With a greenhouse your frames become doubly valuable, as then one helps the other greatly to the advantage of both. With a greenhouse you control temperatures and conditions and can have what you want when you want it. But don't allow anyone to persuade you that any other curved eave house is just as good as the U-Bar. It is not so. We want to show you exactly why. Send for the catalog as a starter.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

BUDDING KNIFE FREE.---See Page 27.



Greenhouse Installation of two 300 H. P. Freeman Horizontal Water Tubular Boilers.

The Largest Florists IN THE WORLD

POEHLMANN BROS. CO.

of Morton Grove, Ill.

use

20 FREEMAN BOILERS

Manufactured by

S. FREEMAN & SONS MFG. CO.

Catalog Free

RACINE, WIS.

Cattle Manure in Bags Shredded or Pulverized



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequalled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

Mention the American Florist when writing

REED & KELLER, 122 W. 25th St., NEW YORK. FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing

Boilers OF HIGH GRADE. For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenfords, Scotland.



Mention the American Florist when writing

Budding Knife Free. See Page 27.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

SPECIAL OFFER

That every one may know the superior qualities of the

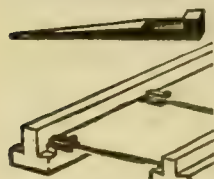
Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



**Siebert's Zinc
Glazing Points.**

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

**VAUGHAN'S
SEED STORE.**
Chicago New York.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

**J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :**

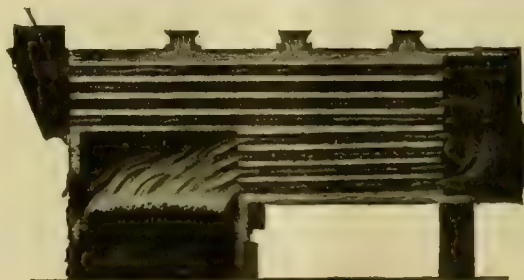
CHICAGO, ILL. , March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411



SEE OUR EXHIBIT

AT THE

S. A. F. Convention

in August

We will show our new **Big Advance Ventilating Apparatus**, and would be pleased to have you inspect same. It is the best and most practical machine on the market today. Send for catalog.

PRICES, Net, F. O. B. Richmond, Ind.

Big Advance Machine, complete as illustrated.....	each, \$10.50
Arms, twistless or elbow, complete.....	each, .25
Hangers, complete.....	each, .08
Shafting Pipe, 1 inch, double strength.....	per foot, .08
Shafting Pipe, 1 inch, single strength.....	per foot, .15
Shafting Pipe, 1 1/4 inch, standard.....	per foot, .06

Patent pipe couplings furnished free with shafting pipe.

THE ADVANCE CO.

RICHMOND, - - - INDIANA

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.
M. C. Ebel, General Manager.

Please mention the American Florist when writing

THE EARLY ADVERTISE-
MENT GETS THERE.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them.
Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

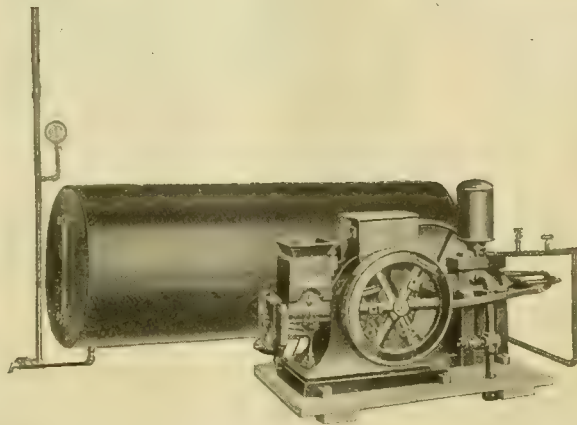
WRITE FOR SAMPLES

\$3 per 100 lb. bag

Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12003, with arms, price \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World. We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

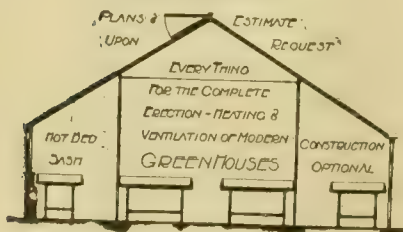
Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems.** Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

S. Jacobs & Sons

ESTABLISHED 1871



**1361-1383 Flushing Ave.,
Brooklyn, New York**

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

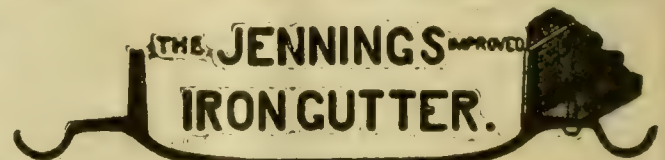
TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

MANUFACTURERS OF
The Gutter with a Reputation

Use our patent
Iron Bench
Fittings and
Roof Supports

**IMPROVED VAPORIZING PANS**

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

VENTILATING
APPARATUS

PECKY CYPRESS

Cedar Posts, Dropsiding and Other Greenhouse Lumber

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY

Retailers of **EVERYTHING IN LUMBER**

Edgewater and Roschill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, Chicago

1868

1912

Lockland Lumber Co.

GREENHOUSE LUMBER

Lockland

Ohio.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, AUGUST 3, 1912.

No. 1261

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, Auditorium Hotel, Chicago.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., 1913. WILLIAM SIM, Cliftondale, Mass.,
President; HARRY A. BUNYARD, 342 W. Four-
teenth street, New York, Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTT, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., August 13-16,
1912. PATRICK FOY, Roanoke, Va., President; J.
E. BUTTERFIELD-Lee's Summit, Mo., Secretary
and Treasurer.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at
Milwaukee, Wis., August 20-22, 1912. JOHN J.
STEPHENS, Columbus, O., President; BELLETT
LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

Chicago Convention Number

Forms Close August 13.

Send Advs. Now.

SUGGESTIONS FOR PLANT GROWERS.

Pansies.

For winter blooming the seed of
pansies should be sown early. Pro-
cure a strain of seed that will produce
large flowers, and unless they are to
be grown in considerable quantities
mixed colors are to be preferred. To
obtain plants enough for winter bloom-
ing it will be better to plant the seed
in flats and place them in a cool shady
location in the house, where they are
much more easily cared for than out
in the open. If such a location is not
to be had they can be sown in a cold
frame and a sash that is quite heavily
shaded placed over them until the
plants begin to grow. As soon as
large enough they should be planted in
a cold frame until the bench is made
ready, about the middle of September,
in the house. The soil for winter
growing should be good, and of the
richest, in order to obtain large flow-
ers, and the house in which they are
planted should be maintained at a cool
temperature, about 45 degrees at night
after settled fall and winter weather
commences. Pansies are not, as a
rule, troubled much with insect pests,
but sometimes in the fall in the houses
they are attacked by green fly and
they are quickly checked in their
growth if the aphids gets a good hold
upon them. A careful watch should
be maintained and if they are found
to be infested with aphids constant
spraying with nicotine solutions will
keep the insects down.

Office Housecleaning.

Nearly all growing establishments at
the present day have what is termed
the office, and during the busy season,
in many places, but little attention is
given to keep it in a tidy condition.
Now is the time, after the carnations
are housed and before the fall work
commences, to have a thorough clean-
ing up of the office and workroom and
get them in readiness for the coming
season. Get all the papers filed away
in proper shape and fix up all accounts
as far as possible, and thereby get rid
of much of the worry and trouble.
Clean up the workroom and give it a

clean coat of paint, and straighten out
the supplies. If the stock of baskets
has grown dirty get a little gold paint
and give them a coat of this, which
will certainly make them more attrac-
tive than the dingy supplies too often
seen hanging on the walls or standing
around. The florist too seldom appre-
ciates how the customer likes to trade
in a clean, up-to-date place, and often
endeavors to excuse the dirty appear-
ance by remarking, "It is impossible
where so much dirt is handled to keep
the place clean." Such a one is only
fooling himself. The present-day cus-
tomers, of whom many are ladies, know
better; they see other places that are
kept neat and clean, and they cannot
be imposed upon with such tales. Now
is the time to get everything ship-
shape for the fall and winter trade.

Roman Hyacinths.

The first bulbs to arrive will be the
Roman hyacinths, and everything
should be in readiness to properly care
for them as soon as received. When
the cases arrive the bulbs should be
placed in a cool, dry place; if packed
in bags they should be spread out
either in flats or shallow boxes and
placed where they will neither be too
moist or yet in too dry and warm a
location. While it is too early to plant
for the winter blooming, still a suc-
cession of plantings may be made
every week until cool weather, when
the balance can be planted up. Almost
any soil will grow bulbs successfully,
but fine results are obtained with soil
that has been thrown out from the
carnation or rose benches and has laid
out over winter to allow it to sweeten
a little. Where a fall pot plant is
wanted a few of the hyacinth bulbs
can be planted in bulb pans, but in
growing for cut flowers flats are to be
preferred, for they are much more eco-
nomically handled and do not require
as much care. In planting the bulbs
cover the bottom of the flats with
about an inch of soil, placing the bulbs
on this quite closely together, yet not
touching, as can be done with other
bulbs. The flat should then be filled

with soil, which should be packed between the bulbs with the ends of the fingers. They should then be given a good watering, enough to wet the soil all the way through and settle it around the bulb. The flats should be placed outside and covered to the depth of about three inches with sand or coal ashes or something that will lie close enough to prevent drying out. A label should be placed at the end with the date of planting, so that the several plantings will be kept separate and can be readily moved into the houses. In four to six weeks they should be well enough rooted to bring them into the house, where they can be placed under a bench until they begin to throw up their flowering spikes.

Delphiniums.

This perennial has become quite a popular cut flower for summer use and is very decorative and showy. Those that have a stock can increase the plants of the better varieties by propagation at this time. When the plants bloom those that produce the best spikes and are of the best colors should be marked. After the blooms are cut the small growths that break from the stem are very easily rooted. Prepare a bed in a shaded frame and insert the cuttings, watering heavily when first put in. They will need frequent syringing during the hot weather and will root in three to four weeks, when they can be either potted or planted in a frame where they can be given attention. As soon as well established they can be planted in their permanent location, but should be given a little protection during the first winter by throwing a little old straw or some such material over them.

Asparagus Baskets.

There is always a good call for hanging baskets of Asparagus Sprengeri and there is nothing more decorative in a store or greenhouse than these beautiful baskets when well put up and when they are growing nicely. The young 3-inch stock will make nice basket work. The wire basket frame should be of good size, eight inches in diameter at least. Line the outside with green sheet moss, which makes a much better appearance than sphagnum, and then fill with good rich soil and plant the young plants in this. The basket, after planting, should be placed in a warm, moist house to encourage rapid growth; a house with a temperature such as palms are grown in is about right. They should be frequently syringed, and as soon as the long fronds have made a good growth they can be removed to lighter and cooler quarters.

Anemone Japonica.

One of the most useful perennials for the fall is the Anemone Japonica. It blooms at a time when flowers are very scarce, and if planted where it can be protected from the early frosts will produce quantities of bloom that can be made of use in all classes of floral work. The successful blooming of this plant depends much upon its summer culture. If the season is dry it will require constant watering, in fact, a good soaking. It is a good plan to place the hose in a bed of this and let the water run until the ground is

thoroughly wet, and do this as often as may be required. It will amply repay in the long, strong shoots that will be produced in the fall full of blooms. The florist not possessing a good stock of this beautiful perennial should procure some of it and plant a bed for fall cutting.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Sultana Centerpiece.

The sultana will make a very effective centerpiece when combined with gypsophila or a similar small white dainty flower. Or, use the pink garden rose buds just breaking. Make the arrangement in a round flat center basket, using the sultanas in the center, banking whatever combination is used to fill in the balance of the basket. The foliage of the sultana can be excellently used in between in an effective loose arrangement. If the gypsophila is not used the white field daisy is well suited to the combination. Place around the edge of the basket about six large pond lily leaves and on each one arrange a large pink pond lily. Four tall brass candlesticks of the spindle variety can be advantageously placed around the centerpiece, and instead of a candle, place a large pink pond lily. Put under each candlestick a large pond lily leaf. For favors use tiny porcelain watering pots filled with a few sultanas and their foliage. This lily on the candlestick should be placed flat on the top of the stick and should be a fine, large spreading blossom. A. E. K.

The Square Deal.

I have been much interested in the article written by W. H. Culp, published in THE AMERICAN FLORIST of July 27. It has sometimes been said that a man who tries to be fair and impartial is not likely to greatly please either side engaged in a controversy. Taking that risk, I shall try to point out a few facts that are worthy of the consideration of both wholesalers and retailers. And here permit me to quote from the letter of your Phila-

delphia correspondent, also in your issue of July 27:

"The one class of men who have great faith in the future are the florists' supply dealers and the way they are stocking up for the coming season is a revelation to those who are not in close touch with the business. Drayloads of huge cases are arriving daily until extra warehouses have to be obtained to store the stock until it can be handled or is sent out in case lots unopened."

He says it is a "revelation" and I doubt not that it would be a greater revelation to many growers, and wholesale dealers in cut flowers if they knew just how much artificial and prepared stock is going into these "extra warehouses." It is however, the business of the supply men to carry in stock and sell what brings them profit and much as I deplore the introduction of so much artificial stock into the business I cannot blame the supply men. In the regular course of business I have recently had occasion to visit a number of retail stores, in cities of from ten to one hundred thousand population, and I have been astonished at the quantity of artificial funeral work that is carried by many of them. While all this is going on, we are reading of "gluts" in the cut flower market, that is, during the season when there is supposed to be and should be good business.

I am not going into the question of who deserves the most blame for I think that there is blame to be laid at the doors of some growers, some wholesalers and some retailers. I will concede that there are men in all three branches who do their best along the lines of a square deal, but there are others who do not. The wholesaler is to some extent between two fires. To do business he must have growers and it is equally necessary for him to have customers in the retail trade. It is a well known fact to all who have had much experience in the wholesale business that the proper packing of flowers is an unknown art in some greenhouses, and that is doubtless just as true of some wholesale houses.

Again taking up the question of artificial flowers, if they must be sold it is better that a retailer should sell them than some one outside the trade for the reason that the retailer may



FLORAL ESTABLISHMENT OF H. G. DILLEMUTH, TORONTO, ONT., CAN.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Orchid Tent, Showing Group of Miltonias, by Charlesworth & Co., Heaton, Bradford, Eng.

and should diplomatically try to persuade the customer to use natural flowers; if he does not do that he should come out openly and state to what branch of business he belongs, for certainly he should not be classed as a florist. Within their proper sphere, the florists' supply dealers are a very commendable and useful branch of the trade, but I would be glad to see the time come when they could not sell one artificial design. I would not have that condition brought about by any concern or, in police parlance, "strong-arm" methods, but by the devotion of every true florist to his own guild and craft. BILL, THE BOS'N.

The Green and White Table.

Take a handsome silver epergne, fill the center with white roses of sturdy growth, and round the lower part fill in with lily of the valley. Round the epergne arrange large white rosettes of white tulle, from which extend a green ribbon of pale tint to match the lightest green of the lily of the valley foliage. This ribbon should reach to the plate line. The brides' initials in plaster of paris or raised gold or silver should be on each ribbon streamer of green and placed about the center midway between the white rosette round the epergne and guest's plate. Light the table with green candles, using light green silk shades covered with lily of the valley. Use pyramid bunches of lily of the valley for favors.

A. E. KLUNDER.

Smilax.

The beds of smilax for the next season's cutting should be planted not later than July 15. The beds should be prepared at once and this soil should be composed of one-fourth rotted manure. Take all means possible to have soil that is free from cut worms. Watch carefully when the soil is turned and carried into the house. There is no crop which these worms more quickly ruin than smilax, and they are very difficult to find on the thick strings. They eat off the tender tip and that is the end of that string. The plants should be set four to five inches apart in the row and the rows a foot apart. Wires should then be stretched over each row and another set of wires five feet or more above those over the bench. Strings should be fastened from one wire to another directly over the plant. This should be done as soon as the bed is planted that the vines may have something upon which to run. In tying the strings one man will often tie twice as many as another simply because he has found a more efficient way. But the strings should all be taut and not some looser than others. The best and quickest way we have ever found is to cut the strings the proper length first, pass one end over the top wire and tie a slip-noose and pull it tight to the wire, then pass the other end around the lower wire, holding it taut by placing the little finger against it on the wire, pass the end of the string around the taut string and make a half-hitch around the wire, pulling

tight against the string where it is held by the little finger. The old smilax bed, if it is to be grown another year, will need to have the soil renewed. A good rich soil should be used and placed between the rows and level around the plants. This should be given a good watering and then watered sparingly until the plants begin to grow. The young stock also should not be watered too heavily until growth starts.

Stevla.

The stevia plants will grow very rapidly at this season and will have to be kept well cut back all the time, the plants gone over every few days and the ends of the shoots cut off. A method adopted by a good grower the past season is worthy of trial by all. When the plants are topped back in July the cuttings are placed in the propagating bench, where if kept well watered they will root easily. As soon as rooted they are potted in flats about four inches apart in moderately rich soil. These as soon as established are placed outside and given the necessary attention and the same care which the older plants receive. When about eight inches high the tops are pinched off. These young plants will grow finely with straight sprays, and are in all respects much superior to the sprays cut from the large plants. This is a very economical and easy method of growing this very useful crop for cut flowers and is one which can be well adopted.

Hardy Herbaceous and Alpine Plants at the London International.*

If the rock gardens are taken into account there were more exhibitors in this group than in any other in the whole exhibition. And yet owing to the way the schedule had been drafted the herbaceous plants proper were inferior as a class to what one sees almost every fortnight at the ordinary shows of the Royal Horticultural Society. Nearly 120 classes were allotted to hardy plants in the schedule, but trees and shrubs, alpine, annuals and biennials, bamboos, bulbous plants, conifers, topiary work, etc., were jumbled up in such a way that what should have been the very finest feature of the exhibition, especially at the time of year, was really comparatively poor and in no way represented what fine things the hardy plantsmen can do when they are untrammelled by classes that do not fit their business. One accustomed to the magnificent displays every year at the Temple could not but regret the absence of the masses of May-flowering tulips, the brilliant Oriental poppies, the *eremurus*, the herbaceous *pæonies*, hybrid *delphiniums*, *phloxes*, *pentstemons*, *columbines*, early flowering *gladioli*, *gaillardias*, *liliums*, *irises*, *pyrethrums*, *lupins* and many other old favorites that always give an

*Our correspondent's account of the great international exhibition was begun in the issue of June 8, page 1177, and continued in the issues of June 15, page 1230, and June 22, page 1285.

air of grandeur to any exhibition of note. Of course these plants were represented in bits large and small all over the place, but there were few magnificently striking banks such as one would expect to see at a place where there was an abundance of space available. Some of the most important groups of hardy herbaceous perennials and rock gardens also were set up by Barr & Son, Covent Garden; Wallace & Co., Colchester; Bees, Liverpool; Cutbush & Son; Kelway & Son, Langport, Somerset; Jackman & Son, Enfield, Middlesex; Maurice Prichard, Christchurch, Hants; Artindale & Sons, Sheffield; Whitelegge & Page, Chislehurst; Backhouse & Son, York; James Carter & Co.; H. Hemsley, Crawley; Misses Hopkins, Shepperton; Cunningham & Fraser, Edinburgh; Clarence Elliott, Stevenage; A. & G. Clark, Dover; Thomson & Charman, Bushey, Herts; Craven Nursery, Clapham; Pulham & Son, Elsenham; G. Reuthe, Keston, Kent; T. S. Ware, Feltham, Middlesex; G. Bunyard & Co., Maidstone; Cheal & Sons, Crawley, and many others, including some amateurs. M. Correvon, from Geneva, had a small but very interesting collection of alpine plants from the Swiss mountains, little gems that attracted the connoisseurs. Without specifying the exhibitor it may be of interest to note the plants that struck one as being the most interesting in this section. *Aster alpinus* was shown

by many and its clear magenta blue marguerite-like flower heads always attracted. *Aubrietias* in variety in the rock gardens shed their purple glow everywhere, although it was a little late for them. Mrs. Lloyd Edwards is one of the newer and best forms. *Cypripedium Calceolus* and *C. Spectabile* are two hardy orchids that are nearly always to be met with. Several species of *Dianthus*-like *alpinus*, *deltoides*, *neglectus*, and *petreus*; *edelweiss* as a matter of course always inspires the amateur with awe and makes him or her imagine that many a neck has been risked on the Alps before it found its way to Chelsea. *Incarvillea grandiflora* is coming to the front and is somewhat eclipsing the better known *I. Delavayi*. *Lithospermum prostratum* and its better variety, "Heavenly Blue," were shown by most, and so was *Onosma taurica* (now more correctly known as *echioides*), the golden tubular flowers of which always arrest attention. *Phloxes* for rock gardens included *divaricata*, *setacea*, *sublata*, etc., and *primulas* were represented by the crimson *japonica* and its newer counterpart with golden yellow flowers, namely, *P. Bulleyana*. Other kinds were *Cockburniana*, *cinnabar*, *Littoniana*, lilac and orange, like an *Orchis*; and in Bees' collection we noticed the exceedingly rare little *P. Reidi* with drooping pure white flowers from the Himalayas. *Saxifrages*, *sedums*, *sem-pervivums*, *trilliums*, *veronicas*, *violas*,



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.
Rock and Water Garden by Wallace & Co., Colchester, Eng.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Rock and Water Garden, by Messrs. Pulham, London, Eng.

meconopsis, ramondias, and a host of other plants were in evidence. Perhaps one of the most brilliant plants in the open air was *Habranthus pratensis*, in Wallace & Co.'s collection. The tubular flowers are of a vivid scarlet and attract one's eye from many yards distance.

Aquilegas.

These flowers have become immensely popular, since the introduction of the improved forms of the long-spurred varieties. During recent years a great development has taken place amongst them, and a high standard of excellence attained. It was not very long ago that aquilegas were looked upon as commonplace, but now they are considered as well deserving a foremost position among herbaceous plants, says a writer in the *Gardeners' Magazine* of London. Their hardihood goes without saying, although some are apparently not of such strong constitution as others. They are exceedingly accommodating, and will thrive where many subjects fail. Beautiful effects are to be obtained by freely planting them in the wild garden and in shady walks, in bold groups of two or three dozen plants.

Although not commonly used for decorative purposes in pots, they are excellent for furnishing the conservatory, and a group in flower is very pleasing. Two-year-old plants are most suitable for potting in October, and wintering in cold frames. In the early part of the year they should be placed in a cold house when the flower spikes soon appear. On no account must there be any attempt at undue forcing, or few flower spikes will be the result of the treatment. When the spikes are a few inches high, a little stimulant should be given to the plants, which will greatly assist in the production of good flowers.

The results in the second flowering season are no doubt the best; the blossoms are finer and more numerous than they are at any time. After the plants have flowered the third year, it is advisable to dig them up, throw them away, and plant young stock. To carry out this scheme of cultivation, it is necessary to raise a batch of seedlings annually, which will enable one to maintain a succession of strong flowering plants, from which satisfactory results will be obtained. Raising the seedlings is a simple matter, but is absolutely necessary that a good strain be obtained or disappointment will surely follow, and time and labor be wasted.

Hundreds of plants are easily raised from seeds in a cold frame or hand-light, no artificial heat whatever being required for the purpose. May is the most suitable month for seed sowing, and the plants thus raised are able to make a good season's growth before the first winter. We use pots or boxes for sowing the seeds in, and these are filled with a mixture of leaf-soil and loam in equal parts, adding sufficient sand to keep it open. When the seeds are sown, the pots or boxes are placed in a cold frame or hand-light until germination takes place, covering the former with glass and paper to prevent undue evaporation. It frequently happens that the seeds germinate very irregularly. The young seedlings are transplanted into other boxes and afforded cold frame treatment until they are well established, when they are

gradually hardened off and transferred to well-prepared nursery beds, being planted out in rows, twelve inches apart, and about nine inches from plant to plant. Here they will become well established before the winter arrives, and be quite capable of looking after themselves.

Given good treatment during the first season, that is, from the sowing of the seeds until the plants are put out into nursery beds, many plants will flower the following season. It is an easy matter to determine which crowns are likely to produce flower spikes when growth commences by their plumpness, and all such may be planted in their flowering quarters, and the smaller crowns be replanted in the nursery beds for another season.

Slugs are extremely fond of the young tender growths, and they quickly ruin a batch of seedlings if measures are not taken to prevent them doing so. A slight dressing of artificial manure, lightly forked in between the plants before growth commences, acts as a protection from slugs, and as a stimulant to the plants.

As aquilegas are early summer-flowering plants, the question of what shall be done with the gap caused by the cessation of their flowers arises. This may be filled by planting gladioli between them, as these former produce a display when the aquilegas are over. Again, the aquilegas may be safely lifted when their flowering season is over, and the gap made good with early-flowering chrysanthemums. Of course, the latter must be grown in nursery beds for this purpose, but the extra trouble is amply repaid. The operation of lifting both the aquilegas and chrysanthemums must be carefully carried out, and if dull, showery weather can be selected for it, success will surely follow.

THE CARNATION.

After the Planting.

The three or four weeks following the planting in from the field is a critical period for the plant and calls for the grower's closest application to every detail necessary to encourage the plants to make a good start in the fresh soil. It will be necessary during the first six or eight days to give the plants light sprayings two or three times a day to keep them from wilting, but avoid heavy syringings that the soil may not get too wet. Six or eight days after planting the roots will have taken hold of the soil and the mud shading can be gradually removed from the glass. For the first removing wash enough of the shade off so as to lighten the house up without letting in a bright glare from the sun. It is best whenever possible to do the first washing off in the afternoon, which gives the plants a chance to stiffen up and withstand the light and heat of the next day. The soil of the beds should be kept open by frequently scratching the surface and all weeds should be removed as they appear.

A close atmosphere must be avoided and the plants given all the air possible both night and day as long as the weather conditions will permit. However, guard against heavy rains coming through the open ventilators to soak the soil. After the roots get hold of the soil the plants will grow rapidly, making a careful tapping back of the shoots essential. This work is one of the very important items at this time, because the success of the winter's cut depends to a great extent upon the number of shoots that we can encourage the plants to make. Every variety will not stand the same degree



YUCCA-STENOPHYLLA, HIGHLAND PARK, ROCHESTER, N. Y.

Benenequen Plant Export Restrictions

The sale of young plants for shipment from the Yucatan Peninsula is looked upon with disfavor by growers and the Government alike. The State of Yucatan has imposed an export duty of \$2.49 (United States currency) per kilo (2.2046 pounds) upon these plants if shipments of same meet all legal requirements, or \$7.47 otherwise. These restrictions practically prohibit the exportation of young benenequen plants from Yucatan.—Daily Consular and Trade Reports.

of pinching the shoots back. There must be a let-up on the pinching of the varieties with heavy foliage and short-jointed habits or the plants will be very late in coming into bloom. Take as an example those of the Mrs. T. W. Lawson and Victory habit, which require a longer season than Beacon or the Enchantress family, they being more wiry and quicker in growth.

As soon as the plants have become established in the soil the beds should

be gone over and the surface of the soil leveled up so that they will take water evenly. If the soil appears to be spongy and not firm enough to allow for the water to pass through it, go over it and firm down to the right degree. It is very important that the fight to keep down the aphid and red spider be kept up regularly by continued sprayings of the plants with the different nicotine preparations about once a week or every tenth day.

C. W. JOHNSON.

Propagating Carnations.

ED. AMERICAN FLORIST:—

When should carnations be propagated to bloom in November?

Iowa. J. E. B.

January and February is the best time to propagate to get the plants in the best shape for a full crop of

CHRYSANTHEMUMS

Burning and Damping.

Plants grown naturally in bush form and not disbudded never show such defects. From this we must conclude neither the heat generated by the sun nor excessive humidity of the atmosphere are the direct causes. It is a combination of conditions which bring it about. The concentration of the elements required to produce large blooms through the process of disbudding gives the tissues of the petals such a quality that unfavorable weather either from excessive heat or moisture destroys them. From heat we call it burning, from moisture damping.

The more the blooms are exhilarated by such processes the more they suf-

fer. out of doors or rain continues for several days there is little help for the blooms that have been generously treated.

ELMER D. SMITH.

Selection of Buds.

As the planting season is practically at an end the most important work for the present is weeding, tying and looking after aphid and other insects which infest the chrysanthemums. Those who planted the early kinds during May or early June can begin selecting buds from such varieties as Golden Glow, Monrovia, Smith's Advance, Unaka, October Frost and its yellow sport. Doubtless many buds of Golden Glow, Monrovia and Smith's Advance have already been retained. They will give satisfactory results provided the plants are vigorous and the desire is early blooms.

August 5 to 10 for Unaka should give the crop the first week of October. We find August 20 the best date for Chrysolora, although they may be taken as early as the fifth and make good blooms, but from a commercial standpoint we do not think them as good as the later ones, which are smoother and more perfect in form as well as brighter in color. This variety should be ready to market from October 15 to 25. Most of the other so-called early kinds such as Clementine Touse, Comoleta, Donatello, Early Snow, Glory of Pacific, Ivory, J. K. Shaw, Pacific Supreme, Pink Ivory, Polly Rose, Robert Halliday, Roserie, Virginia Poehlmann, Yellow Ivory and Yellow Touse are more satisfactory from buds selected August 15 to August 20, bringing them to maturity about two months later. Those interested in the exhibition sorts will be watching for the best buds on the kinds they are growing.

It is quite probable some of the eastern growers have at this time saved a few, but those in the middle west need not be apprehensive, as we find the early August buds seldom give the best blooms. If we were certain of cool weather from now on we would favor their selection, but as there are still two months which are apt to be very warm we would prefer buds selected August 15 or later for this purpose.

ELMER D. SMITH.



CARNATION HOUSE OF E. HOUSTON CO., SISTERSVILLE, W. VA.

bloom in November—provided the other necessary requirements of the plants are taken care of, such as shifting along in early spring so that they do not become hard, planting out in the field in good season and caring for them while there, then transferring them to the benches inside not later than August 15 and attending to their wants afterwards.

C. W. JOHNSON.

E. Houston & Co., Sistersville, W. Va.

The establishment of E. Houston & Co., Sistersville, W. Va., is a nice range of modern houses consisting of a new carnation house, which we illustrate, a rose house, a sweet pea and plant house 200 feet long, and a propagating house 100 feet long. The walls are all seven feet six inches high, four feet of glass and remainder of concrete. The boiler house is constructed of concrete blocks. Cisterns have been provided with capacity enough to supply the whole place. Situated in the gas belt, they have a gas well that furnishes 3,500,000 feet of gas per month, enough to furnish the boilers with ready fuel.

NORTHBORO, MASS.—Ralph E. Wadsworth & Co. are beginning work on another large greenhouse.

STOUGHTON, MASS.—Fred L. Slye is building a new greenhouse, 35x150 feet, and a boiler house 25 feet square.

fer. The ideal weather for developing blooms is bright sun with cool air so that the temperature does not exceed 85° under glass. Shading the glass helps to reduce the temperature and care in applying water lessens the humidity, so are thus both helpful, but when the heat reaches 80° in the shade



ROSE HOUSE OF E. HOUSTON CO., SISTERSVILLE, W. VA.

Chemical Foods for Chrysanthemums.

Percy A. Cragg, in the Transactions of the National Chrysanthemum Society of England.

In placing before you this evening the conclusions arrived at as results of our experiments and observations in soil preparation as applied to chrysanthemums grown in pots, I am not claiming that my firm has originated entirely fresh ideas on the subject, but rather that an attempt has been made to replace the rule of thumb method by one more up-to-date and scientific, and on a larger scale than has perhaps hitherto been attempted.

During one wet season we found that our chrysanthemums had been considerably overfed with compound manures; an error very easily committed through carelessness or bad judgment, when 30,000 to 40,000 pots are grown. That meant a loss on the quality of the bloom, loss of the manure given, and the cost of the labor for applying it. To prevent a recurrence of this loss, which might easily be serious, we decided to try other methods of feeding. An obvious alternative was to enrich the soil. We therefore consulted a horticultural chemist, and, acting on his advice, decided to mix with the soil the greater portion of our chemical manures, and to put them into the soil in such forms as would give us a regular succession of foods suitable for the plants during the period of their growth.

Our first difficulty after this decision was arrived at was to know exactly how rich the compost should be. Ultimately we decided on the following analysis, or, rather, partial analysis, for our working basis. It is the analysis of a good rich soil, which shows the following percentage of the four chief necessities for plant life: Phosphoric acid .5, potash .25, nitrogen .45, lime 2.0. We did not think it necessary to worry about any other ingredients, as most of them are present in the majority of soils in sufficient quantities. Magnesia may have to be taken into account with some soils, but our soil contains plenty; and further, our water is magnesia hard.

Having settled on what seemed most adapted for our purpose, we proceeded to carry theory into practice. The portion of a field selected for the next season's crop was stripped, and to it was added one part of mushroom manure to six of soil. The whole was thoroughly mixed and samples were then drawn from different parts of the heap; these were again mixed, and then a portion was sent to the analyst. His report showed the soil to be considerably poorer than we desired it to be. Sufficient potash was present, but the quantity of phosphoric acid, nitrogen and lime was undoubtedly insufficient. The manures we decided to use eventually were as follows: basic slag, containing lime and phosphates; bone-meal, containing nitrogen and phosphates; ground hoof, for nitrogen only; and ordinary gray burnt lime. The basic slag was the 38 per cent brand, passing through a sieve 10,000 meshes to the inch; the bone-meal showed 4.5 nitrogen and 45 phosphates, and was of one-eighth inch grist; the hoof was also of one-eighth inch grist, and showed 15 of nitrogen, while the lime was ordinary builder's gray lime, and showed 77 per cent purity. We obtained by these manures nitrogen and phosphates of various degrees of solubility. As the nitrogen of

the soil and mushroom manure was exhausted, that from the bone-meal would be available, and finally the hoof would give up its portion. For phosphates the order of solubility would be, first the soil and mushroom manure, then the bone-meal, and lastly the basic slag.

Our soil is alluvial, and is like most soils of that nature, deficient in lime. The majority of our analyses showed less than 1.0 of lime. We have been content to raise this to about 2.0, using one and one-third tons of lime 77 per cent purity to 100 tons of soil. To use more at a time would probably cause heating, and a portion of the nitrogen contained in the chemicals would be lost. Lime is very easily added during the growing season if required, by merely dusting the surface of the pots with it.

I have mentioned that we did not take potash into account, as we thought that the analysis showed it to



A. C. Wilshire

President Canadian Horticultural Association.

Convention at Montreal, August 6-9.

For programme see page 68.

be present in sufficient quantity. Further experience has caused us to reconsider this decision. Having constantly to battle against fungoid diseases, we came to the conclusion that something was lacking in our treatment. We found that where we used extra potash for tomatoes we had less mildew, the deduction being that although potash was present in fair quantity, it could not be readily available. For our next year's crop, therefore, we shall add potash manures, and shall try to raise the percentage to .35. Kainit, and all the ashes from wood and refuse fires, will be applied to the field as a surface dressing during the winter, and sulphate of potash will be mixed with the soil at the final turning.

Dr. A. D. Hall, of Rothamstead, says there is abundant proof to show that potash makes plants more resistant to fungoid diseases. That is a hint worth following by those growers who suffer from rust. Potash also appears to delay maturity—another useful hint for a dry season. Last season we added soot to our compost, ten bags

being mixed with 100 yards of soil. The result has proved beneficial both in color and foliage. For the coming season we shall increase the soot to fifteen bags per hundred yards of soil.

The following are the particulars of the ingredients mixed with the soil for the 1911 crop: To each 100 cubic yards of soil (we take 1 yard to be equivalent to 1 ton as the soil is stacked), we added one and one-third tons of lime (77 per cent purity), one-half ton of basic slag (38 per cent), three-fourths ton bone-meal (4.5 N., 45.0 P.), 12 cwt. ground hoof (15.0 N.), and 10 bags of soot. This added to our original analysis gave the following percentages: Lime 2.0, nitrogen .447, phosphate .615, potash .32. The approximate cost per 100 yards was £15 for the manures and soot, excluding mushroom manure.

Such is, roughly outlined, the system we work upon, and since adopting it we have found an all-round improvement in the size, lasting qualities, and the color of our blooms. All soils will not respond to the same treatment, but the root idea will be found to be the same, viz., to raise the percentages of the different elements necessary to plant life until a well-balanced compost is obtained; and, further, to have them present in such forms that a constant succession of complete food is available.

Soils that have already present a fair proportion of lime would probably take super-phosphate better than basic slag. For those that are rich in nitrogen steamed bone flour would be more economical than bone meal. I would advise that hoof be used if possible because of its lasting qualities. The size of the grist of the bone meal and hoof is a factor of great importance when the rate of solubility is considered. Now that hoof is so dear and is difficult to obtain, a larger grist of bone meal might be made to take its place, using, perhaps, one-eighth inch and three-eighths inch grist together. Ground chalk would probably be more beneficial on light, dry soils, or with those that already have a fair percentage of lime. On our heavy soil the amount of chalk that would be necessary would have a bad mechanical effect. These are, of course, questions that would have to be discussed with a competent horticultural chemist by those who have not the necessary knowledge of horticultural chemistry.

Before leaving this part of my paper, I would emphasize the necessity for great care in the mixing, if manures in quantity are used. Lime in all cases ought to be put on the ground in the autumn and allowed to lie for a month or two in order to become well slaked by the atmosphere. The soil should be stacked for three months, mixing in the chemicals just before the compost is required. Two or three turns are required to ensure equal distribution. It is preferable to have the soil in small heaps, rather than in one large one, to allow the air to circulate through the heaps and to minimize the risk of heating.

In ordinary seasons we have found weak feeds of stable liquid and of soot water, with an occasional feed of compound manure mixed with a large bulk of soil, quite sufficient to carry the blooms to perfection. A season like 1911, however, upsets calculations considerably, owing to the enormous quantities of water required by the

plants, and consequent loss by drainage from the soil.

The method I have outlined in reality denotes only one stage, the commencement, for those who wish to work on scientific and economical lines. As the soil is the starting-point of all our work, the pasture should be taken in hand some years before it is required. Nitrogen is the dearest food we have to buy, but it can be obtained at a trifling cost from the atmosphere by the aid of leguminous plants. Our mode of procedure is as follows: We have a field of about four acres of turf, which we hope to make last for the next twenty-five years. It is stripped in sections to a depth of about 6 inches. The stripped portion is then dug about 2 feet deep, plenty of mushroom manure worked in, rolled down firmly, and sown with a mixture of seeds containing a fair proportion of deep-rooting grasses and of clover. Lime, basic slag, and, perhaps, potash are to be applied in yearly dressings.

We hope to have formed a turf richer in all essentials than the original in from five to six years. Then the process will be repeated as turf is wanted. Having a light brick earth to work on, we estimate to lower in time the original level by 2 feet, and still leave a decent turf.

The work of seeding is expensive, but the increased crops of hay or green feed will often repay the cost. We obtained in 1910 five cuts of grass from a piece sown that year, and three even in a dry season like the past.

Light sowings of clover, together with dressings of a complete manure, will improve a poor pasture out of recognition. Dr. A. D. Hall makes a point of the increase of clovers and other leguminous plants as the result of dressings of manures containing potash. He gives an instance where leguminous plants increased from 20 per cent. to 50 per cent. as the result of complete feeding. Before I close, there are one or two manures we use, in addition to those already mentioned, that I should like to speak about.

I have said that lime may be sprinkled on the tops of the pots during the growing season. Its effect is often magical. Its action is to render the insoluble forms of food available. On one occasion we used plain soil and a sprinkling of lime as a top-dressing, and the plants shot up at such a rate that they had to be checked by a stiff dose of super-phosphate. Super-phosphate we use largely in quantities of one-quarter ounce to one-half ounce per 10-inch pot, mixed with three times its bulk of soil. Its action is to stiffen the stems, check the growth of the foliage, and improve the color of the blooms. Nitrate of potash and phosphate of potash are expensive manures to buy, but prove fairly cheap to use. Mixed together in equal quantities, and used at the rate of one-half ounce to one ounce per gallon of water, they form a complete food. By altering the mixture, either nitrogen or phosphate may be increased or decreased.

The last item I have to talk about is sulphate of iron. We find chrysanthemums, especially some varieties, in cold, wet seasons, are apt to turn a bit yellow. The uncongenial conditions upset them; they, in fact, suffer from what may be termed anaemia.

and require iron. A dose of sulphate of iron, one-half ounce to the gallon, will quickly restore a healthy color to the foliage. It should be mixed in wooden vessels, and be applied from well-painted cans.

I think I have laid before you the main principles we apply in our nurseries, and I hope I have been successful in presenting them clearly. My aim has been to put before you concisely what little knowledge we have acquired of a difficult subject. I would advise those who wish to adopt the same methods to go into the matter thoroughly and carefully under competent advice. The methods outlined are, of course, as useful for other crops as they are for chrysanthemums. I have necessarily only been able to touch my subject very slightly in the time at my disposal; it really requires hours to do it justice. If I have not made myself clear, I offer you my apologies, and can only say that I



Julius Luck.

Secretary Canadian Horticultural Association.
Convention at Montreal, August 6-8.
For programme see page 68.

shall be only too pleased to answer any questions as far as I am able.

New Hardy Perennials of Recent Years.

In the general uplift, speaking horticulturally, great strides have been made of late in the introduction of new herbaceous plants, China and even Tibet have contributed liberally to our riches and varieties of garden origin are still being produced. In a general way, it is of much more importance to get a new species from its native habitat than a garden form, for the first may lead to many of the last named, either directly by seed and selection and also by crossing or even hybridizing. As an illustration mention may be made of the new hardy primulas from China or Tibet, recently seen thriving vigorously in shady nooks with moisture, in the Highland Park, Rochester, N. Y. They are not listed yet to any extent in catalogues, but are something to look forward to in the near future as seeds germinate freely, and the flower spikes are three feet high.

Another new introduction is the original type of the Japan anemone recently found growing wild by Mr. Wilson, and said to be absolutely hardy, whereas all other known forms of it are uncertain. It is doubtful if we ever had this plant in cultivation before, the other being a cultivated form introduced from Japan and supposed to be the type. This has been the case with scores of other things, called Japonica, introduced by the shrewd Japs, cultivated, improved out of knowledge, worshipped for centuries, but belonging in China—an instance of this is the discovery for the first time of the wild parent of our herbaceous paeony, possibly the rarest of hardy plants in cultivation. The writer saw them recently in a garden of note among a lot of other rarities, including the new hardy cypripediums. The roots of these had been collected seven months before, and when put in the ground again blossomed freely. This hardy orchid is said to be the commonest plant where found, and it will not be long before some of the present day enterprise makes it common in gardens. We hope it will be amenable to garden culture. Some of the American ones are not, as *C. acaule*, *C. arietinum*, *C. montanum* and *C. Californicum*.

While none of the plants mentioned are to be obtained readily, some not at all, it will be interesting to see what comes out of them by way of the cultivator. A new species today may mean untold progress. He is now equipped with a set of tools called the efforts of others, and results obtained, that enable him to do great work. Think of the *Rosa Wichuraiana* brought, it is said, from Japan—it is more likely to belong to China—and from this species we have been given the whole race of so-called Rambler roses. How would the gardens of today appear without ramblers, yet in the summer of 1890 the writer was shown a scrap about four inches high growing in a nursery, one of the first to get into commerce. This was *R. Wichuraiana*, but it had another name then.

We also have two new absolutely hardy lilies in *L. myriophyllum* and *L. leucanthemum*. Both are easily propagated and obtainable now. There is a great future for them when better known. Even under glass we are told they are likely to be valuable. Both have white flowers and come from China. It would be remarkable in itself if these were the only introductions of 1911 among hardy things.

Senecio clivorum is most likely to become grown in every garden, as it is vigorous as a rhubarb plant, almost as big and flowers freely and late in the season. Seeds are produced in abundance. It is obtainable now and will soon be in great demand; also from China. It looks like a valuable plant for naturalizing in semi-wild situations where it will have to take care of itself, and will do so if the soil is rich.

Of the aconites there are two new ones, *A. Wilsoni* and *A. Fischeri*, both valuable acquisitions where these monkshoods do well or are treated well, it is a question which. In Bar Harbor gardens we have seen them grown and exhibited more than the height of a man. Nothing could be more valuable in late summer gardening, but these aconites need liberal treatment as to nourishment and moisture, with fall planting in preference as the roots be-

come active so early in spring. *A. Wilsoni* is the latest species to bloom and *A. Fischeri* is said to be the darkest flowered of all.

When the French medical missionary, Abbe Delavay, sent or brought from China the *Incarvillea Delavayi* it was a great gift to gardens, with the handsome acanthus-like foliage and long flower stems with individual blooms equal to a *gloxinia* or *bignonia*. Unlike many early flowering border plants, too, the foliage was good until fall. Now we have an improved form called *grandiflora*, rightly named, for it is a glorified form presumably coming true from seed or it would not have become available so soon in the trade. It takes some time for a new plant to become appreciated, so long at times that the raiser or introducer fails to profit to the proper extent. This is well known, but still worthy of remark. It goes to prove, too, that disseminators themselves do not realize how good a thing they have until the other fellow begins to propagate it in quantity. This *incarvillea* is good and seeds freely, the plants flowering the second year if the seed is sown when ripe, carried over winter dry in flats, planted out the next year, and they will flower the following year. Perfectly hardy. It is a remarkable coincidence that the genus *incarvillea* was made to commemorate the work along botanical lines of a French Jesuit missionary in 1743, and 150 years later exactly, another of the same order, Abbe Delavay, in 1893, introduced to cultivation the best species of this same genus.

Our lupins have always been blue, white, or yellow, *Moerheim*, presumably, has put some pink in with the white and did it very cleverly, too, for in *Lupinus Moerheimii* we have a perennial lupin of various shades of white and rose-pink, quite an acquisition if it proves a good perennial. It is certainly very pretty, but we have had no experience as to its duration.

Gypsophila paniculata fl. pl. has been a puzzle to us in this part of the country, so also has the type plant. Neither will grow well. It is probably due to the lime in the soil. It would be most valuable for the florist if it were possible to grow it, especially for making up in the summer months. Lupins, too, sometimes fail to grow where lime is present, or we should see them growing wild all over the continent owing to the way the ripe seeds are propelled.

The hardy border carnation, *Countess Knuth*, will be useful and is the only hardy yellow carnation. It will be offered next season and is well worth a trial, as its hardiness is assured, and propagation easy by means of cuttings. A new hardy single sweet violet, too, we are promised next year, *Viola Pfitzeri*, the best single violet yet, we are told, and if *Pfizer*, the raiser of so many good things, gives it his name there is still something to live for.

The Mountain Feather Fleece discovered to the trade recently is a plant of wonderful beauty, as seen exhibited in Lenox at the summer shows, resembling gigantic spikes of *spirea* five feet high when cut. This must be of value for decorative purposes and we are trying it in quantity. It loves a moist, rich soil, is a native of the southeastern states and quite hardy. The proper name is *Stenanthium robustum*, and it is of the lily family, therefore there is no mystery about the plant except the

one that it was not introduced into cultivation 100 years ago instead of ten.

We do not know if the Mallow Marvells are generally appreciated at their true worth. Meehan certainly did a good thing, and we hope he made a good thing of it, when he began to disturb our native *Hibiscus militaris*, *H. Moscheutos*, *H. coccineus*, and probably the one known as *Crimson Eye*. All are natives of the swamps in the eastern states, from Massachusetts to Florida, where we find *H. coccineus*, this last not quite hardy in the north, but good to mix in for its color. These mallows we have grown for nearly 25 years; have seen pure white ones among the colored ones growing in the New Jersey meadows. Other cultivators have seen them undoubtedly, but it waited for one man to mix them. It was not hybridizing in any sense, but just plain meddling, and the greatest good that came out of it was that a very beautiful native genus of plants were made known far and wide, and the end is not yet, for last summer we saw them growing on the borders of one of the northern lakes at a popular summer resort. They certainly could be grown in Alaska, and any one who wants to beautify a low, wet location may plant Mallow Marvells with impunity. They will thrive as *Moses* did, even among the bullrushes.

One cannot help mentioning the hardy chrysanthemums, the offspring of *C. maximum*. There are a number of named kinds and all seem to be good as we noted them growing. Especially are they valuable for cutting in time of scarcity and they now possess a refinement equal to the indoor grown singles, but must be propagated from divisions of the roots or cuttings. If we attempt to raise them from seed we will get back to the epidemic of "Shasta Daisy." If *Burbank* ever possessed plants that produced blooms the size as advertised, he should never have sold seeds of any Shasta Daisy. These fine forms slide down grade so easy when we sow their seeds, as has been proven with seed bought from the best possible source. A plant known as *Leucanthemum Nipponicum* was noted as being a fine hardy chrysanthemum-like plant flowering freely from a dense mat of growth the last week in October; it had flowered all summer besides and it has a great promise for the future.

There is the usual crop of new phlox, pæonies and iris, but it is for some other one to note these for the benefit of readers. Today it is necessary to have a collection of all the best kinds to compare with new ones intelligently. If we go to see them growing it is not a fair comparison, for in the rush to increase it takes years for even a good thing to recuperate and be as nice as it can be. We must trust to the descriptions and draw on the imagination for a year or two before getting emphatic. E. O. O.

PATCHOGUE, N. Y.—Wm. Stone is erecting three new greenhouses.

WOBURN, MASS.—Samuel Petrilla has completed the framework of a new greenhouse 150 feet in length, in which he will grow violets.

COLUMBUS, O.—Paul M. Halbrooks, superintendent of the Columbus Floral Co., has bought the business of A. J. Baldwin, of Newark. He will take possession Aug. 1.

OBITUARY.

Francis A. Baller.

Francis A. Baller, well known wholesale florist of Bloomington, Ill., died suddenly as a result of heart failure at his home July 10. Mr. Baller was born in England and received his botanical education at Birmingham, in the government gardens. After coming to America he was located at different times at Rochester, N. Y., Niagara Falls and finally Bloomington. He started in business for himself in 1871. He was a proficient botanist and was known throughout the country as an authority on American horticulture. Mr. Baller was also a musician of note. He was twice married, his first wife being Miss Anne Standon, of England. Three children of this union—Robert Baller, Los Angeles, Calif.; Mrs. Lucy Malloy, Recatur, Ill., and Mrs. Alice Spinner, Clarinda, Ia.—survive. His second wife was Miss Jane Cunard and she and their two children—Mrs. Blanche Elmer and Mrs. J. H. Mueller, both of whom live in Bloomington—also survive the aged florist.

Albert M. Bommersbach.

Albert M. Bommersbach of Decatur, Ill., died at the home of his parents, Mr. and Mrs. Nicholas Bommersbach, July 28, as a result of Bright's disease. He had been ill for several weeks, but was feeling better the morning of his death and visited the greenhouses of which he was the manager for the first time in several days. While there he became ill and shortly after his return home lost consciousness and remained in a comatose condition until his death. He was 33 years old and unmarried. Mr. Bommersbach was associated with his brother John in the floral business, their father having turned the N. Bommersbach floral shop and greenhouses over to them four years ago.

Casper Abrams.

Casper Abrams, a prominent retired florist of New York, died July 24, aged 80 years. Mr. Abrams was born in Germany and came to America in 1862. He located in Brooklyn and conducted a flower shop there until ten years ago, when he retired, turning his business over to his sons and removing to New York City. He is survived by two sons and three daughters: Chas. and Isaac Abrams, Mrs. A. A. Meyer, Mrs. G. Goldberg and Mrs. A. J. Freeman.

William H. Spangler.

William H. Spangler, for nearly twenty years a florist of Dover, N. J., died Thursday, July 9. He was about 55 years of age and had been an invalid following an operation four or five years ago. Heart trouble was the immediate cause of his death. He is survived by two sons, Fred Spangler, of Dover, and Cecil Spangler, of New Hampshire.

William Bester.

Wm. Bester, for many years one of the leading florists of Hagerstown, Md., died very suddenly last week. He was found by employes in his greenhouse in a spasm. Five minutes before he seemed in good health. He was removed to his home, where he died very shortly. Heart disease is given as the cause of his death.

NEW YORK.—John W. Richmond, florist and expert landscape gardener, died here July 22. He came here from England twenty years ago. He was 54 years old and is survived by his wife.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

Programme of the Twenty-Eight Annual Meeting and Exhibition to be held in the Coliseum, Chicago, Aug. 20-23, 1912

TUESDAY, AUGUST 20.
FIRST DAY—OPENING SESSION, 10 A. M.

Opening Exercises.

Address of Welcome.

President Vincent's Address.

Amendment to Constitution and By-Laws to be acted upon:

To amend Article V, Section 1.

"Section 1. Meetings.—The first annual meeting of the Society shall be held at Buffalo, New York, on the first Tuesday of August, 1901, and thereafter the annual meeting shall be held on the third Tuesday of August in each year, continuing for three days or until all business is completed, the location of the next following meeting to be selected by ballot at the morning session of the second day of each annual meeting."

by striking out the words "morning" and "second" and inserting in place thereof, respectively, the words "evening" and "first."

Reports of Secretary, Treasurer, and Committees.

FIRST DAY—AFTERNOON SESSION, 3 P. M.

Report on National Flower Show, by Charles H. Totty, Chairman National Flower Show Committee.

Paper by Wm. Goulay, Assistant to the General Manager of the American Express Company.

Discussion.

Consideration of Invitations for Next Place of Meeting (if the amendment to By-Laws is adopted at the morning session).

FIRST DAY—EVENING SESSION

Reception to President Vincent, at the Auditorium Hotel. Music, Dancing and Refreshments. Strictly informal.

Amendments to Constitution and By-Laws to be acted upon:

To amend Article III, Section 2 (a).

"Sec. 2. Elections and Appointments:—

"(a) The president, first vice-president, secretary and treasurer shall be elected by ballot at the annual meeting of the Society, and their term of office shall begin with the first day of January next succeeding the election and shall continue for one year, or until their successors are duly elected and qualified."

by striking out the word "secretary"; and by adding: "The secretary shall be elected by the directors at the annual mid-Lent meeting and shall serve for one year. Seven (7) affirmative votes shall be necessary to elect, and nine (9) votes to remove him from office before the expiration of his term."

To amend Article III.

"GOVERNMENT, EXECUTIVE BOARD.

"Between the sessions of the Society its government shall be vested in an executive board, consisting of the president, junior ex-president, first vice-president, secretary, treasurer and six directors. A regular meeting of the board shall be held each year about mid-Lent, at the call of the secretary, upon such date as the president may direct, etc."

by striking out the word "secretary" in the third line, after "vice-president" and before "treasurer."

To amend Article V, Section 5.

"Sec. 5. Exhibitions. There shall be held, whenever practicable, in connection with each annual convention, an exhibition of materials and manufactures used in and products of horticulture. It shall be in charge of a superintendent, who shall be appointed by the executive board at its preliminary annual meeting, and shall be governed by such rules and regulations as the executive board shall adopt. Judges shall be appointed by the president and secretary at least one month before the exhibition."

by striking out the words "and secretary."

Resolution:—Be it Resolved, That the records of the proceedings of this Society for the year 1909, in convention at Cincinnati, Ohio, be corrected by adding the following, as adopted at the time:

"All members after paying dues continuously for twenty-five (25) years shall be known as 'Pioneer Members.' They shall be entitled to all the benefits and privileges of other members; shall be exempt from the payment of dues for the balance of their lives, and their names shall appear in a special list under an appropriate heading in the annual volume of the proceedings of the Society."

Amendment—To amend Article IV, Section 2, covering fees and assessments, by adding the following:

"Annual members after paying dues continuously for twenty-five years shall be known as 'Pioneer Members,' and shall be exempt from all future assessments."

Ballot on place of meeting if first amendment carries.

WEDNESDAY, AUGUST 21.

SECOND DAY—MORNING SESSION.

Paper by L. W. C. Tutbill on "Advertising. Some Wrongs to Make Right."

Discussion.

Nomination of Officers for 1913.

Annual Meeting of the Ladies' Society of American Florists at 10:30 a. m.

SECOND DAY—AFTERNOON.

No business sessions. This afternoon remains open, to permit of those interested visiting the growers' and other establishments in and around Chicago.

SECOND DAY—EVENING SESSION.

Lecture, illustrated in colors, on "Floral Designing," by Fred C. W. Brown of Buffalo, N. Y.

Discussion.

THURSDAY, AUGUST 22.

THIRD DAY—MORNING SESSION.

Meetings of the following societies:

9 a. m.—Florists' Hall Association of America.

9:15 a. m.—American Rose Society.

9:30 a. m.—American Carnation Society.

10 a. m.—Chrysanthemum Society of America—Illinois State Florists' Association.

10:15 a. m.—American Sweet Pea Society.

10:30 a. m.—American Gladiolus Society.

10 a. m. to 12 m.—Election of Officers.

THIRD DAY—AFTERNOON.

The Annual Bowling Tournament will take place at Bensinger's Bowling Alleys, 29 W. Randolph St., starting at 2 o'clock.

THIRD DAY—EVENING, 8:30 P. M.

Reception and Dance given by the Ladies' Society of American Florists.

FRIDAY, AUGUST 23.

The Chicago Trade Committees have arranged for a full day's entertainment at RAVINIA PARK.

Special Trains, Luncheon and Dinner, Outdoor Sports, Baseball and

Foot Races, Band Concert and Grand Opera.

Ideal surroundings of ravines and groves.

Most noted and exclusive resort near Chicago.

Members on arrival at Chicago should

Register with Secretary,

Register with Chicago Committee,

Get all local information,

Get the Souvenir Album.

A BUREAU OF INFORMATION, continually maintained, will be found

adjoining Secretary Young's Office in the Coliseum Building.

Prof. H. H. Whetzel of Cornell University, Official Pathologist, will have on exhibition an extensive collection of specimens and descriptive material covering plant diseases. The educative value of this exhibit will make it an important feature of the Convention.

OFFICERS OF THE SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS FOR 1912.

President.....Richard Vincent, Jr., White Marsh, Md.

Vice-President.....August Poehlmann, Chicago, Ill.

Secretary.....John Young, 54 West 28th St., New York

Treasurer.....Wm. F. Kasting, Buffalo, N. Y.

EXECUTIVE BOARD.

For One Year.

W. N. Rudd, Morgan Park, Ill.

Robert Craig, 49th and Market

Sts., Philadelphia, Pa.

For Two Years.

Harry A. Bunyard, 342 W. 14th

St., New York.

E. Allan Peirce, Waltham, Mass.

For Three Years.

Charles H. Totty, Chairman National

Flower Show Committee,

Madison, N. J.

John Evans, Richmond, Ind.

Ex-Officio.

George Asmus, 2223 W. Madison

St., Chicago.

STATE VICE-PRESIDENTS.

Alabama—W. B. Paterson, Jr.,

Montgomery.

California (North)—Daniel Mac-

Rorie, San Francisco.

California (South)—Edwin Lons-

dale, Lompoc.

Colorado—J. A. Valentine, Denver.

Connecticut—John F. Huss, 1103

Asylum St., Hartford, Conn.

District of Columbia—O. A. C.

Oehmler, Washington.

Florida—C. D. Mills, Jacksonville.

Georgia—A. C. Oelschig, Savannah.

Idaho—J. W. C. Deake, Twin Falls.

Illinois (North)—Fred Lauten-

schlager, Chicago.

Illinois (South)—J. F. Ammann,

Edwardsville.

Indiana—Irvine C. Bertermann, In-

dianapolis.

Iowa—J. T. D. Fulmer, Des Moines.

Kansas—Chas. P. Mueller, Wichita.

Kentucky—Aug. E. Baumer.

Louisiana—Harry Papworth, New

Orleans.

Maine—Joseph Kirk, Bar Harbor.

Maryland—R. L. Graham, Balti-

more.

Massachusetts (East)—Robert Cam-

eron, Cambridge.

Massachusetts (West)—G. H. Sin-

clair, Holyoke.

Michigan (East)—E. A. Schribner,

Detroit.

Michigan (West)—Elmer D. Smith,

Adrian.

Minnesota—S. D. Dysinger, St.

Paul.

Missouri—W. L. Rock, Kansas

City.

Missouri—Fred H. Weber, St.

Louis.

Mississippi—S. W. Crowell, Rich-

mond.

Montana—T. E. Mills, Helena.

Nebraska—Geo. H. Swoboda,

Omaha.

New Hampshire—R. E. Hanna-

ford, Portsmouth.

New Jersey—Wm. Duckham, Mad-

ison, N. J.

New York (East)—A. L. Miller,

Brooklyn.

New York (West)—C. J. Hewson,

Buffalo.

Ohio (North)—Chas. Graham,

Cleveland.

Ohio (South)—C. E. Critchell, Cin-

cinnati.

Oregon—Jas. Forbes, Portland.

Oklahoma—George Stiles, Oklahoma

City.

Pennsylvania (East)—E. J. Fan-

court, Philadelphia.

Pennsylvania (West)—E. C. Reine-

man, Pittsburgh.

Rhode Island—L. J. Reuter, Wester-

ly.

Tennessee—C. L. Baum, Knoxville.

Texas—Eugene Corley, Dallas.

South Carolina—C. A. Moss, Spar-

tanburg.

North Carolina—Wm. Rehder, Wil-

mington.

South Dakota—E. C. Newberry,

Mitchell.

West Virginia—C. P. Dudley,

Parkersburg.

Wisconsin (North)—J. E. Matthew-

son, Sheboygan.

Wisconsin (South)—Nic. Zweifel,

North Milwaukee.

Virginia—J. Guille, Portsmouth.

CANADA.

Ontario—F. H. Miller, Bracondale,

Toronto.

Manitoba—H. E. Phillpot, Winni-

peg.

Quebec—Geo. A. Robinson, Mon-

treau.

Alberta—A. M. Terrill, Calgary.

Botanist.....Prof. A. C. Beal, Ithaca, N. Y.

Pathologist.....Prof. H. H. Whetzel, Ithaca, N. Y.

Entomologist.....Prof. Thos. B. Symons, College Park, Md.

Washington Representative of the Society.....William F. Gude, Washington, D. C.

Superintendent of Exhibition.....John Young, 54 West 28th St., New York

TARIFF AND LEGISLATIVE COMMITTEE.

F. R. Pierson, Chairman.

John G. Esler, Saddle River, N. J.

J. C. Vaughan, Chicago, Ill.

Patrick Welch, Boston, Mass.

J. O. Thilow, Philadelphia, Pa.

E. G. Hill, Richmond, Ind.

JUDGES FOR THE TRADE EXHIBITION.

Sections A. B. F.

Ad. Gude, Washington, D. C.

A. L. Vaughan, Chicago, Ill.

Sections E. G.

S. S. Pennock, Philadelphia, Pa.

Charles Critchell, Cincinnati, O.

Ernst Wienhoeber, Chicago, Ill.

Sections C. D.

W. P. Craig, Philadelphia, Pa.

A. L. Miller, Brooklyn, N. Y.

E. Allan Peirce, Waltham, Mass.

Section H.

Philip Breitmeyer, Detroit, Mich.

F. H. Weber, St. Louis, Mo.

H. V. Hankel, Milwaukee, Wis.

COMMITTEE ON CONVENTION SPORTS.

Chas. Graham, Cleveland, O., Chairman.

H. Brown, Richmond, Va.

Chas. Critchell, Cincinnati, O.

ADVISORY COMMITTEE FOR TRADE EXHIBITION.

August Poehlmann, Chairman.

W. N. Rudd.

J. C. Vaughan.

George Asmus.

COMMITTEE ON SCHOOL GARDENS.

Benjamin Hammond, Fishkill-on-

Hudson, N. Y., Chairman.

C. B. Whitnall, Milwaukee, Wis.

Michael Barker, Chicago, Ill.

*Wm. R. Smith, Washington, D. C.

C. L. Seybold, Baltimore, Md.

COMMITTEE ON NATIONAL FLOWER SHOW.

Charles H. Totty, Madison, N. J.

W. A. Manda, South Orange, N. J.

W. N. Rudd, Chicago, Ill.

W. N. Craig, Philadelphia, Pa.

Thomas Roland, Nahant, Mass.

J. A. Valentine, Denver, Colo.

PAST PRESIDENTS.

*John Thorpe, 1884-1886 Edwin Lonsdale, 1885

Robert Craig, 1887

E. G. Hill, 1888

J. N. May, 1889

*J. M. Jordan, 1890

M. H. Norton, 1891

James Dean, 1892

*William R. Smith, 1893 John Burton, 1902-1903

*J. T. Anthony, 1894 Philip Breitmeyer, 1904

J. C. Vaughan, 1905

Wm. F. Kasting, 1906

Wm. J. Stewart, 1907

F. H. Traendly, 1908

J. A. Valentine, 1909

F. R. Pierson, 1910

George Asmus, 1911

THE AMERICAN FLORIST

1895 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St. CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS

Suggestions for plant growers.....	57
—Pansies.....	57
—Office house cleaning.....	57
—Roman hyacinths.....	57
—Delphiniums.....	58
—Asparagus baskets.....	58
—Anemone Japonica.....	58
The retail trade.....	58
—The "square deal".....	58
—Floral establishment of H. G. Dilleuth (Illus.).....	58
—The green and white table.....	59
Smilax.....	59
Stevia.....	59
Royal international exhibition (Illus.).....	59
—Hardy herbaceous and Alpine plants.....	60
—Rock and water garden (Illus.).....	61
Yucca-Stenophylla (Illus.).....	62
The carnation.....	62
—After the planting.....	62
—Propagating carnations.....	63
E. Houston & Co., Sistersville, W. Va.....	63
Carnation house of E. Houston Co. (Illus.).....	63
Rose house of E. Houston Co. (Illus.).....	63
Chrysanthemums.....	63
—Burning and damping.....	63
—Selection of buds.....	63
—Chemical foods for chrysanthemums.....	64
A. C. Wilshire (portrait).....	64
Julius Luck (portrait).....	65
New hardy perennials.....	65
Obituary.....	66
—F. A. Baller.....	66
—Albert M. Bamersbach.....	66
—Casper Abrams.....	66
—William H. Spangler.....	66
—William Bester.....	66
Society of American Florists.....	67
Convention sports.....	68
American Gladiolus Society.....	68
Chicago hotel rates.....	68
Canadian Association's convention.....	68
Coming exhibitions.....	69
European horticulture.....	70
Chicago.....	72
Chicago Florists' Club.....	75
St. Louis.....	76
San Francisco.....	76
Louisville.....	77
Philadelphia.....	78
Cincinnati.....	78
Rochester, N. Y.....	79
Cleveland.....	81
New York.....	82
Toronto.....	82
Boston.....	82
Baltimore.....	82
Denver.....	84
Salt Lake City.....	84
Washington.....	88
The seed trade.....	90
—National council of horticulture.....	90
—Your business in danger.....	90
—A. Bachelot (portrait).....	90
—Davy's Representative.....	90
Market gardeners.....	94
—Tomato blight.....	94
—A giant tomato.....	94
Railway Gardening Association.....	94
The nursery trade.....	96
—Nursery stock in the malls.....	96
—Apple orchards sold.....	96

THE premium list for the American Gladiolus Society's annual convention exhibition, to be held this year at the Coliseum, Chicago, August 20-23, is now ready and copies may be had on application to Secretary Merton L. Gage, Groton, Mass.

SECRETARY BENJAMIN HAMMOND of the American Rose Society has issued the second number of that organization's Rose Journal, with quite a varied and interesting list of contents. Mr. Hammond is making a brave attempt to disseminate information on the rose of value to amateurs and should have the co-operation of all commercial rose growers.

ACCORDING to Bulletin No. 3 of the Western Dahlia and Gladiolus Association, the annual exhibition of that organization will be held in Milwaukee, Wis., September 11-14 on the Wisconsin state fair grounds.

Personal.

Fritz Bahr, Chicago, who recently visited British Columbia with his boys, says Europe can not compare with America for fine scenery, and Fritz knows them both.

James S. Wilson, of Des Moines, Ia., writing from Portland, Ore., says: "I think this is about as near ideal as a man who loves things beautiful could wish for a town."

Harry Bayersdorfer, of Philadelphia, Pa., was in southern France July 15.

Convention Sports.

The prize list for the approaching sporting events to be held in connection with the convention of the Society of American Florists at Chicago, August 20-23, is now in preparation. Anyone who desires to donate a prize will greatly oblige by sending full particulars as early as possible. It is the desire of those in charge of this department of convention work to make it the biggest and best bowling, shooting and outing occasion ever held in connection with the annual meeting of the national organization. All communications bearing on the convention sports and prizes, therefore, should be addressed to C. J. Graham, 12349 Euclid avenue, Cleveland, O.

The donors should send particulars of their prizes early so as to afford those in charge an opportunity of giving them full publicity.

American Gladiolus Society.

PLANT REGISTRATION.

Public notice is hereby given that the following named varieties of gladioli have been registered by the nomenclature committee of the American Gladiolus Society:

ORIGINATOR'S DESCRIPTIONS.

By Dr. C. Hoeg, Decorah, Iowa—
Decoration: orange pink, throat somewhat lighter, suffused with pale yellow. Flowers large, four and one-half inches across; well placed; of good form and substance. Plant strong and

healthy with dark green foliage and straight stem. Height 3½ to 4 feet. A good multiplier. Blossomed first in 1908. Hiawatha (No. 10): light salmon pink with yellow blotches in the throat. Medium sized flowers, four inches across. Medium strong grower with healthy dark green foliage and straight stem. Height probably three feet. A medium multiplier. Blossomed first in 1908.

A. C. BEAL,
Chairman Nomenclature Committee.

United States Wants Botanical Assistant.

An examination to fill vacancies in the position of assistant in botanical work, Bureau of Plant Industry, Department of Agriculture, at salaries from \$1,200 to \$1,600 per annum, is announced by the civil service commission for August 21. The examination is open to males only between the ages of 18 and 45. The announcement says that "an educational training equivalent to two years' college work in botany, which must include not less than one year's training in botanical laboratory technique, is a prerequisite for consideration for this position." There are three subjects, as follows: Practical questions in botany and botanical laboratory technique, 35 "weights"; thesis, 25 "weights"; education, training, experience and fitness, 40 "weights."

Canadian Association's Convention.

The fifteenth annual convention of the Canadian Horticultural Association, to be held in Montreal, August 6-9, bids fair to be a notable one and great interest is manifested by the members and others. Among the numbers on the programme will be the following papers: "Cost of Production of Florists' Stock," by W. W. Gammage, London, Ont.; "Economic Management of a Retail Store," by George M. Geraghty, Toronto, Ont.; "Commercial Orchids," by Thomas Manton, Eglinton, Ont. There will also be practical demonstrations in the arrangement of cut flowers by H. Dilleuth, also of Toronto. The association banquet will be held Thursday evening, August 8. The officers are: A. C. Wilshire, president; Walter Muston, first vice-president; H. B. Cowan, second vice-president; Julius Luck, secretary; C. H. Janzen, treasurer.

Chicago Hotel Rates.

This list includes all the important hotels easily reached from the place of meeting, with the special rates offered for the convention.

The Hotels	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium.....	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Bismarck.....	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone.....	2.50	3.00 to 5.00		5.00 to 8.00
Brevoort.....	1.50 to 2.50	2.50 to 4.00	3.00 to 4.00	4.00 to 5.00
Congress.....	2.00 to 3.00	3.50 to 5.00	3.00 to 4.00	5.00 to 7.00
Grand Pacific.....	1.50	2.00	2.00	3.00
Great Northern.....	1.50 to 2.00	2.50 to 4.00	2.50 to 3.50	3.50 to 6.00
Kaiserhof.....	1.00 to 2.00	2.00 to 2.50	2.00 to 3.00	3.00 to 4.00
La Salle.....	2.00 to 3.00	3.00 to 5.00	3.00 to 5.00	5.00 to 8.00
Lexington.....	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Majestic.....	1.50 to 2.00	2.50 to 3.00	2.50 to 3.00	4.00 to 5.00
Morrison.....	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00
Palmer.....	1.50 to 2.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Saratoga.....	1.00 to 2.00	1.50 to 2.50	2.00 to 4.00	3.00 to 5.00
Sherman.....		2.00 to 4.00		3.00 to 6.00
Southern.....	1.00 to 1.50	1.50 to 3.00	2.00 to 2.50	2.50 to 4.00
Stratford.....	1.50	2.00 to 4.00	2.50	3.00 to 6.00
Wellington.....	1.00 to 1.50	2.00 to 3.00	2.00 to 2.50	4.00 to 5.00
Windsor-Clifton.....	1.00 to 1.50	2.00	1.50 to 2.50	3.00

Reservations may be made through the chairmen and vice-chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash avenue, Chicago.

T. E. WATERS,
32 East Randolph street, Chicago.

ROBERT NEWCOMB,
31 West Randolph street, Chicago.

WM. LANGHOUT,
31 West Randolph street, Chicago.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

Chicago, August 20-23, 1912.—Annual meeting and exhibition, Society of American Florists, Coliseum. John Young, secretary, 54 West Twenty-eighth street, New York.

Chicago, August 20-23, 1912.—Annual exhibition, American Gladiolus Society, Coliseum. L. Merton Gage, secretary, Groton, Mass.

Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society. John N. Stockwell, secretary, City hall, Cleveland.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society. James MacDonald, corresponding secretary.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America. S. W. Severance, 508 Walker building, Louisville, Ky.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted.—At once, married man, age 27, on a retail place; good designer and grower; sober and reliable. Ill. or Ind. Address Key 670, care American Florist.

Situation Wanted.—By first class designer and decorator; years of experience; A-1 references; able to manage a store. State salary. Address ULRICH, 211 West Grace St., Richmond, Va.

Situation Wanted.—By florist; German; single; experience in full line of bedding plants: Mums, Carnation; good propagator; private or commercial place; around Eastern States. Key 677, care American Florist.

Help Wanted.—An experienced gardener on gentleman's country place; married man preferred. Address, A. H. VON SCHRADER, Laurel, Md.

Help Wanted. A good carnation grower with money to invest in an established florist business, must be hustler and capable of looking after men. Address Key 647, care American Florist.

Help Wanted.—Man and wife for private country home. Man to take care of place, do a little gardening, and be able to care for cow, horse and chickens. Wife to do the necessary house work and cooking for owner and visitors on occasions and will go to do things pleasantly. Good wages paid; an ideal place for the right party. English or German preferred; references required. Address Key 679, care American Florist.

For Sale.—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 16x18 D.S.A. hand made glass. W. H. BARRETT, Adrian, Mich.

For Sale.—Three thousand 2-inch heavy wrought iron pipe, fine condition couplings, valves, etc. Your own price. ALDOUS & SON, Iowa City, Ia.

For Sale.—Cheap, second hand greenhouse material of all kinds; also 2 steam boilers, 2 iron pumps, 1 Morehead steam trap, wire rose stakes, etc. A. M. SCHAFFER, 2129 Balmorel Ave., Chicago.

For Sale.—Within the next 30 days three thousand dollars will buy seven thousand feet of glass; ten room dwelling. Part cash; if you mean business, write Key 671, care American Florist.

For Sale.—Complete file "American Florist."—twenty-seven years—Vols. 1 to 13 13 years inclusive; bound in half Morocco, cloth sides. If you want them make me reasonable offer. Cost me \$46.50. L. R. KRAMER, Wooster, O.

For Sale.—Store and Greenhouses with stock of plants; situated in best part of United States; doing splendid business; wish to sell on account of poor health; good market for vegetable growing. Key 676, care American Florist.

For Sale.—"Improved Capito" Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. dia; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale.—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address MRS. ANNA J. PHARE, Willmar, Minn.

For Sale.—Well established greenhouse business; 6000 ft. of glass; good location in St. Paul; easy terms; reason for selling, ill health. Can take possession at once. Address Key 673, care American Florist.

For Sale.—A good retail florist business; 25,000 sq. ft. glass; 7-room modern residence; 30 acres of good ground; all in city limits; good town; this place will stand close investigation; books to show; \$3,000 cash required, balance on time; \$12,500 for place; can make price of place in several years; to any one wanting a good business will be pleased to give full particulars by return mail. Address Key 641, care American Florist.

For Sale.—By widow, established florist business in Lake View, with ground and buildings consisting of: 2-story, 2-flat frame building. 4 rooms and bath each; office adjoining. 12x18 ft., under glass, concrete cellar, 3 greenhouses, 24x70 20x70 and 20x60 with boiler, concrete posts and benches. Ground 120x125 ft. on corner. Fixtures, stock and soil on hand. For location, terms and other particulars, apply to BURNS & TAUB, 69 W. Washington St., Chicago. Tel. Randolph 5446

Wanted to buy. On easy terms or rent, retail greenhouses, land, cottage. Address GROWER, 75 Gautier Ave., Jersey City, N. J.

Wanted.—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Wanted to Rent. Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land in good town or city. Address "FLORIST," P. O. Box 164 Allen, Mich.

Situation Wanted.

In retail or wholesale store; A1 man with good references; ready to go to work; Chicago preferred.

Key 680, care American Florist.

Help Wanted.

An old established manufacturer of greenhouses, etc., requires a first class salesman principally to call on private estates. Write experience and salary wanted. Address Key 678, care American Florist.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Wanted At Once.**NURSERY MANAGER**

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

FOR SALE.

Florist business, seed department, tools, etc. two greenhouses, hot water, fully stocked; four lots, 50x150; planted with shrubs, roses, perennials, etc.; only two and one-half years old; all in first class condition; the nucleus of a fine business; lack of capital the reason. Address

F. T. MANAHAN, Receiver, No. 8 So. Lincoln St., SPOKANE, WASH.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE, 1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR QUICK SALE.

Nearly new greenhouse; cement and pecky cypress, on cedar posts; 58,000 sq. ft. under glass; fully stocked; and equipped with piping and all other tools, pots, and a lot of glass, putty, lead and oil; 5 acres of land; 3 new boilers; Skinner sprinkling system; in good town of 5,000; close to large markets; doing good business. On account of age and poor health must sell at once. This is your chance. Full information on request. Fred A. Gleason, Box 157, Greenville, Mich.

First-Class Storeman.

A No. 1 Designer and Decorator, used to waiting on first-class trade, who will stand strictest investigation as to character, sobriety and ability, is open for engagement now or Sept. 1. A man who is capable of taking full charge and is not afraid of hard work and can be relied on at any time

Key 656, care American Florist.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 18, 1912.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Auditorium Hotel, Michigan avenue and Congress street, Chicago, Wednesday, August 21, 1912, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres,
M. BARKER, Sec'y.

Visiting Florists During Convention Week

Or any other time, when in Chicago, are cordially invited to make themselves at home at our place of business, where their mail can be addressed with the assurance that same will receive the utmost care until called for.

We are centrally located on all direct and connecting lines with the Coliseum, where the Convention will be held. Our place is large, cool, airy and commodious, and we will try to make you feel at home while here.

Chicago is noted for the home of the Flower Industry, and you are invited to make your home with us. **EVERYBODY WELCOME.**

Located between Michigan and Wabash Avenues,
directly opposite Chicago's Great Public Library.

J. A. BUDLONG

Established 1880

Wholesale Grower and Shipper of Cut Flowers

82-86 East Randolph Street,

CHICAGO

European Horticulture.

FROM THE BRITISH PRESS.

Sawdust Manure.—It is very generally believed by both gardeners and farmers in this country that farmyard or stable manure made with sawdust as litter is not so valuable as that made with straw. The same opinion is held by both classes of cultivators in the United States, and in order to ascertain if there is any real foundation for the belief so general some experiments were begun at the Maryland Experimental Station in 1908, and continued on a large scale for three years with flowering plants grown under glass-houses. Comparisons were made between (1) cow manure made with sawdust as litter; (2) cow manure made with straw or chopped maize stalks as litter; (3) cow manure free from litter of any kind, the cows being kept on a cement floor without bedding. The manure was collected and left in a heap until some fermentation had taken place. This broke down the strawy litter considerably, but the sawdust had quite a fresh appearance when it was applied. The same amounts of the different manures were used, and they were all thoroughly worked into the soil. The plants tested were roses, carnations, chrysanthemums, and sweet peas. In no case could any harmful effect of the sawdust be detected, and, in fact, taking the average of the three years, the manure containing it gave slightly the largest number of blooms. For other reasons, however, it was concluded that for the particular circumstances manure without litter of any kind was the best.

Lobelia Tenuior.—There is a form of this lobelia with pinkish flowers, but I much prefer the original species, with blossoms of a deep, rich blue and a

ATTRACTIVE VACATION TRIPS

Write for a copy of **Wabash Summer Tour Book** outlining many very attractive vacation tours at moderate cost. Among them will be found

New York and return \$27.00
Boston “ 25.60

etc. Let us help you plan your summer outing trip. Address

F. H. TRISTRAM

Asst. Gen. Pass. Agent

68 West Adams Street

CHICAGO

conspicuous white eye. This lobelia, which is a native of the Swan River district of Western Australia, has long been known in this country, but it is only within the last decade or two that its merits have become generally recognized. Belonging to the same section as lobelia erinus, or speciosa, lobelia tenuior is altogether a larger grower, while the flowers also show a

corresponding increase in size. It is a very desirable subject for greenhouse decoration, under which conditions a succession of its pretty flowers is kept up for some time, while grown in suspended baskets it forms a delightful feature. An item of note is, that while most of the leaves are entire, some of those towards the base are pinnate.

**THE FIRST
CHICAGO CONVENTION**

—AND—

The American Florist

GAVE THE TRADE

NEW LIFE AND VIGOR

We thank the many friends who have so generously appreciated our efforts, and now solicit their renewed and continued patronage, so that we may aid in the creation of

GREATER PROSPERITY

—FOR—

Florists, Seedsmen and Nurserymen Everywhere

**The Convention Number
To Be Issued August 15**

**WILL SHOW IN ITS ADVERTISING COLUMNS
WHAT THE TRADE HAS TO OFFER IN**

EQUIPMENT AND APPLIANCES

Advertising rates are as usual, \$1 per inch, single column width, \$30 per page of 30 inches, with the usual discount on time contracts.

The American Florist
440 S. Dearborn St., CHICAGO

 **The Early Advertisement Gets There.**

Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft**

The above are the best roses at this time of year and we cut them especially tight for hot weather shipments. Buy direct of the grower. We grow all the stock we sell and guarantee it strictly fresh.

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	CARNATIONS		Per 100
Extra long	.....	\$2.50 to \$3.00	Extra long, O. P. BASSETT	.....	\$1.50 to \$2.00
24-inch	.....	2.00	Extra long, white	.....	1.50 to 2.00
18-inch	.....	1.50	Fancy pink	.....	1.50 to 2.00
12-inch	.....	1.00	FINE EASTER LILIES		
Short	per 100, \$4.00 to	6.00	Per dozen	.....	1.00
KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PEELLES		Per 100	Per 100	.....	6.00
Extra long select	.....	\$6.00 to \$8.00	LILY OF THE VALLEY	.....	3.00 to 4.00
Medium length	.....	4.00	ASTERS, all colors	.....	2.00 to 4.00
Short	.....	2.00 to 3.00	ASPARAGUS SPRAYS	.....	3.00 to 4.00
			SPRENGERI	.....	2.00 to 3.00
			ADIANTUM	.....	1.00 to 1.50
			GALAX—Bronze and Green	per 1,000, \$1.00	
			NEW FERNS	per 1,000, \$1.50	

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457

Chicago.

SUPPLY INCREASING.

The supply of stock is increasing considerably, and gladioli, asters, roses, sweet peas and lilies can be seen in large quantities at nearly all the wholesale stores this week. Good roses are good property and are selling well, but there is a great oversupply of short-stemmed stock. White roses are very scarce, and so are orchids. American Beauty roses are moving freely, but gladioli are not selling as good as they were last week. Asters and sweet peas are of good quality, and the supply of other outdoor stock is as large as ever. Some cut hydrangeas are now arriving, and a few peonies are still obtainable. A large supply of Mrs. Aaron Ward roses are arriving, and the quality is very good. Radiance and Prince De Bulgarie are having a good cull, and Killarney, My Maryland and Kaiserin Augusta Victoria are finding ready buyers. Killarney roses are in fine shape and show exceptionally good color. Gladioli are fine this season, and some exceptionally grand America and Mrs. Francis King, as well as several new varieties, are to be had. Lily of the valley is plentiful and the quality is now a good deal better than it has been. The supply of Melody roses is much shorter and greens of all kinds are very plentiful. Both the local and shipping trade were very good the latter part of last week, but the shipping trade fell off considerably the opening of the week, and even the local trade was not up to the average. Lilies sold very good on Tuesday morning and the large supply that was on hand was pretty well cleaned up about noon. The supply of asters and gladioli on Tuesday was very large and reminded one of the peonies during the peony glut.

NOTES.

Matt. Mann, junior member of the firm of Zech & Mann, has the sympathy of the trade in the loss of his nine year old son Lambert, who died Tuesday evening, July 30, from the effects of drinking nicotine. It seems that Mr. Mann had taken the bottle from the shelf and was preparing to make a solution when he was called into the house for supper and naturally being in a hurry forgot all about the nicotine and left it on the bench. Lambert left the table before the rest and strolled into the greenhouse and mistaking the nicotine for root beer he took a good drink before he realized his mistake and then ran to tell his mother that he believed he drank some paris green. He died in a very few seconds after, before medical aid could be summoned and before his parents had fully realized what had happened. The funeral was held from the St. Gregory's catholic church and the remains were laid to rest in the family lot in St. Henry's cemetery on Wednesday, July 31.

J. F. Kidwell says that there are now 56 stockholders in the Chicago Flower Growers' Association and 76 consignors on their list. He says that trade has been very good all season, and that the outlook is very bright for the ensuing year. A fine grade of Killarney roses and cut hydrangeas are leaders at their store this week.

Kroeschell Bros. Co. sold three boilers this week through their advertisement in THE AMERICAN FLORIST—one to R. W. Allen of Hudson, N. Y., and two to the Oakland Floral Co. of Kirkwood, Mo.

Ed. Wojthiewicz has returned from a most enjoyable visit with relatives at Omaha, Neb.

Henry Weiss, Pochmann Bros. Co.'s obliging young salesman, left on July

29 on a fishing trip to the northern lakes of Wisconsin.

Frank Fischer, the well-known carnation grower, left July 26 to accept a position with the Pittsburg Cut Flower Co. of Pittsburg, Pa.

Louis Wittbold has returned from a most enjoyable visit with relatives at Wheeling and is again attending to his duties at the store.

Harry Manheim, Hoerber Bros.' storeman, left July 30 to join his family for a few weeks' visit with relatives at Shelby, Ind.

Chas. W. McKellar and wife made a trip to Starved Rock in their auto on July 27, returning home the following Monday.

Albert Lies is all through planting and is starting to cut from a new house of Killarney and My Maryland roses.

The next regular meeting of the Florists' Club will be held at the Union Restaurant Thursday, August 1, at 8 p. m.

Henry Dun, with Weiland & Risch, and wife left July 30 for a lake trip and a few days' visit at Sturgeon Bay, Wis.

Frank Potocka, formerly with the Chicago Flower Growers' Association, is now with the J. B. Deamud Co.

Mr. Lueck, of the Lueck Pottery Co., Milwaukee, Wis., visited Geo. Keller & Sons' pottery here last week.

Walter and Paul Amling will leave next week for a visit with friends and relatives at Fort Dodge, Ia.

Frank Hagen left this week for a visit with friends in Kenosha and other Wisconsin towns.

Chas. Drissler, foreman of Wietor Bros.' shipping department, is back from his vacation.

A. T. Pyfer says that the Chicago Carnation Co. will finish planting this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

FULL SUMMER CROP OF ROSES,

CARNATIONS, VALLEY and NEW ROSES IN GOOD SUPPLY

Aaron Ward, Bulgaria (Mrs. Taft), Melody, Lady Hillingdon.

ASTERS AND GLADIOLI EASTER LILIES

LARGE SUPPLY. FINE CROP.

Cattleyas, Smilax and New Ferns.

We are enjoying a good demand for Roses because our stock is clean and free from mildew and we cut our Roses tight and in bud so they are in the best shipping condition. If you can get good clean Roses during the Summer there is sale for them and you can get them from us. **TRY IT.**

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.	WHITE KILLARNEY, Specials.	\$ 8.00
Specials		\$3.00	Fancy	6.00
36-inch		2.50	Medium	4.00
Medium		2.00	Good Short	2.00
18 to 20 in.		1.50	ASTERS	\$2.00 to 4.00
Short stem	per 100	\$4.00 to 6.00	CARNATIONS, extra fancy.	2.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100		“ common	1.00
Fancy long		\$ 8.00	ORCHIDS, Cattleyas, per doz.	6.00 and up
Medium		6.00	EASTER LILIES	10.00
Short		4.00	STOCKS, fancy, per doz.	\$0.50 to 1.00
MELODY, fancy long.	\$ 8.00		Marguerites	1.00 to 1.50
Medium	6.00		Feverfew per bunch	.35 to .50
Short	4.00		VALLEY	3.00 to 4.00
MRS. AARON WARD.			DAISIES, field	.75
Fancy Long	\$ 8.00		SWEET PEAS	\$0.50 to .75
Medium	6.00		ADIANTUM CROWEANUM	1.00
Short	4.00		SMILAX, per doz.	2.00
RICHMOND, Specials	\$ 8.00		SPRENGERI, PLUMOSUS SPRAYS	\$3.00 to 4.00
Fancy	6.00		PLUMOSUS STRINGS, extra long and heavy	each .60
Medium	4.00		PLUMOSUS, strong, long, medium	each .45
Good Short	2.00		FERNS	per 1,000 1.50
KILLARNEY, Specials	\$ 8.00		GALAX	per 1,000 1.25
Fancy	6.00		LEUCOTHOE	per 100 .75
Medium	4.00			
Good Short	2.00			

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	16-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.....\$8.00

Good, 15.....6.00
Short.....4.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$1.50
Fancy.....1.25
Good.....1.00

HARRISII.....8.00 to 10.00

NEW FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX. per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

C. L. Washburn says that Bassett & Washburn received their first carload of freight over their new switch this week when their new Kewaunee boiler was delivered. The track is over a half mile long and 30 carloads of greenhouse material are now on it and ready to be unloaded. Mr. Washburn says that the well drillers have gone down 350 feet already and that they expect to strike water very soon for shale rock has already been encountered. Four large cisterns with a capacity of 20,000 gallons each are being built and two lines of posts for the new range are already up.

Otto W. Frese and wife have returned from a delightful outing at Mono Lake, Lake Harbor and other resorts in and around Muskegon, Mich., and Mr. Frese says that his vacation was certainly one round of pleasure. He and his wife were the guests of the superintendent of the Brunswick-Balke-Collender Co. and the time was mostly spent touring the country in an automobile. Mr. Frese visited the L. Wasserman establishment at Muskegon and says that he was surprised to find such a nice store and adds that Mr. Wasserman's field grown carnation plants are looking very fine.

N. J. Wietor and family are having a delightful time automobiling this summer and the popular wholesaler's car can be seen speeding through the streets of Milwaukee and other Wisconsin cities. Henry Wietor has been automobiling in the hay field for the past two weeks, but now that haying is over he will again devote his time to the greenhouse work.

John Degnan is back from his vacation and is again attending to his duties at Winterson's Seed Store. Edgar Winterson is away this week and Louis H. Winterson expects to leave on his vacation next week.

J. A. Budlong is cutting a fine grade of lily of the valley and Phil. Schupp takes great pride in showing it to his firm's many customers. Roswell Schupp has been promoted at their establishment to the honorary position of chief shipping clerk.

H. E. Philpott was in the city for a few days this week and left on July 28 for a visit in the east, and also to Montreal, where he will attend a meeting of the Canadian Horticultural Society. He will return in time to attend the S. A. F. convention here this month.

The E. C. Amling Co. is showing some fine Mrs. Aaron Ward roses and gladioli and John Michelsen, the efficient manager, says that the Americas that A. R. Bonballet & Co. are sending in are exceptionally fine and the best that M. C. Claussen ever grew.

Robert Northam and family returned on July 29 from a most enjoyable outing in Michigan. Mr. Northam paid a visit to Fruitvale, but was not very favorably impressed with the country, although 65,000 lots have been laid out and 30,000 have already been disposed of.

August Poehlmann came in specially July 29 for the executive meeting of the convention committees from the Wisconsin resort at which he and his family are spending a brief vacation, returning the following day.

The J. B. Deamud Co. is receiving a fine grade of all kinds of seasonable stock with asters and gladioli the leading features. Ernest R. Farley is back from his visit in Indiana and is again on the job.

Max Ringler, with A. L. Vaughan & Co., is enjoying his vacation, and Miss Pearson, the efficient stenographer, leaves this week for a visit with friends in Michigan.

A. R. Belmont, formerly located on West Twenty-sixth street, is now conducting a store at 161 West Twenty-second street.

Jean Franke and family will leave soon for their summer home at Thunder Lake, Mich.

R. C. Weiler, with the Superior Machine & Boiler Works, is enjoying his vacation at his father's home at Lauderdale Lakes.

Harry S. Garland has returned from a most delightful trip in the west and is now busy getting his firm's exhibit ready for the S. A. F. convention.

Geo. Propps, George Perdikas' right hand man, is back from a pleasant visit with friends at Milwaukee, St. Paul and Waterloo, Ia.

John Kruchten and Geo. Gobel write that they are having a dandy time at Hackley, Wis., and that they expect to return home next week.

The Des Plaines Floral Co. will soon start building operations on its movable greenhouse.

Emil Jehlik and family are making preparations to spend a few weeks at their farm at Muscoda, Wis.

Ed. Misiewicz has moved his store from 3211 to 3112 South Halsted street, one block further north.

Fred Price caught an 8 pound black bass last Sunday, July 28 at Camp Lake, Wis.

Arthur Newell and wife of Kansas City, Mo., called July 30, enroute to Europe.

E. E. Piser, the Peony King, will leave August 6 for a visit to his peony farm at Villa Ridge.

H. C. Blewitt is erecting a Garland truss iron frame house, 34x150 feet.

Fritz Bahr and boys have returned from Vancouver.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

NEW CROP OF BEAUTIES

And Other Roses. Fine Stock for Shipping Orders.

Send Your Orders Direct to the Grower and They Will Be Well Taken Care of

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties.....	50

Richmond.....	Select.....	\$8 00
Killarney.....	Medium.....	\$5 00 to 6 00
White Killarney.....	Short.....	4 00
My Maryland....		

Mrs Aaron Ward	Select.....	\$8 00
	Medium.....	6 00
	Short.....	\$4 00 to 5 00
Sunrise.....	Select.....	\$6 00
	Medium.....	5 00
	Short.....	4 00
Roses, our selection.....		3 00
Carnations.....	1 50 to	2 00
Harrisii.....	per doz.	1 50
Valley.....	3 00 to	4 00
Sweet peas.....	75 to	1 25
Asters.....	1 00 to	2 00
Peonies.....	50 to	75
Adiantum.....		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		2 00

The painters are nearly through with their work at Percy Jones' establishment, and the store now presents a very inviting appearance in its new coat of white enamel and green paint. Mr. Van Gelder has one of the finest stores in the city and is now making preparations to place it at the disposal of all the visitors to the S. A. F. convention. Extra fancy American gladioli are arriving at this store in very large quantities and the proprietor says that they are the best he has ever handled.

Tim Matchen says that Peter Reinberg is having good call for young American Beauty roses and that business has been pretty good all summer. The Florists' Club baseball manager sincerely hopes that Mr. Matchen will soon be out for practice, for the boys realize that he will be a great addition to the team.

L. E. Partridge and family have returned from a most enjoyable vacation at Lake Geneva. Mr. Partridge says that the glass market remains about the same and that the factories are not likely to resume operations before the middle of October.

Allie Zech and wife have returned from a lake trip and an enjoyable visit with Arthur Peterson at Escanaba, Mich. Mr. Zech says that the Petersons gave him a royal reception and an automobile ride to Gladstone and other popular resorts of the upper peninsula.

W. M. R. Sawyer, the Sefton Manufacturing Co.'s efficient advertising man, says that his firm will have a large exhibit at the S. A. F. convention and cordially invites the trade to inspect its line of florists' boxes.

A. Miller, of A. Henderson & Co., writes from Mankato, Minn., that he is doing a little practicing every day and that he expects to be in fine form

when he pitches for the locals at the S. A. F. convention.

Erne & Klingel are well pleased with their summer's business and are constantly adding new customers to their list. This firm is filling a large number of local orders for fancy asters and gladioli.

Frederick Greager, formerly of 7111 Indiana avenue, is now located at 6952-58 Cottage Grove avenue and is building a store and two houses. He grows pot plants exclusively.

Mrs. James G. Hancock, then of Michigan, made the S. A. F. convention in this city 25 years ago a part of her honeymoon trip, and looks as charming as a bride today.

Vaughan's bulb departments turned out a carload of early French bulbs this week. Seed of the new Asparagus Hatcheri, handled by this firm is in demand from wise buyers.

L. P. Lord, with the Lord Plant Box Co., Minneapolis, Minn., called on the trade here this week.

General Dickinson and his army of boy scouts from Park Ridge are still in Michigan.

S. Freund, with A. A. Arnold, made a business trip to Kansas City, Mo., this week.

D. D. P. Roy, of Vaughan's Seed Store, is taking his vacation in Canada.

Visitors: Geo. H. Mellen, Springfield, O.; S. M. Hartman, South Haven, Mich.; Edw. Amerpohl, Janesville, Wis. S. K. Butchart, Winnipeg, Can.; Wm. La Hayn, Chesterton, Ind.; G. D. Daas, Elgin; N. Kalisch, St. Louis, Mo.

ESCANABA, MICH.—Geo. Peterson, with C. Peterson & Sons, is camping for a couple of weeks at Fayette. He received a visit last week from his brother Arthur and Mr. and Mrs. Allie Zeck of Chicago.

Chicago Florists' Club.

A special meeting of the Florists' Club was held at the Union Restaurant July 25, President Foley in the chair. Alexander Kapina, 1300 Ashland avenue, was elected a member and the following applications for membership were read: P. N. Miller and N. P. Brunke, 84 East Jackson boulevard. Guy French, of the committee on by-laws revision, reported that a printed proof would soon be mailed to all members for correction. Geo. Asmus, chairman of the souvenir album committee, reported that the album work was well under way and that advertisements for insertion would be received until August 6. It was suggested that all the wholesale and retail florists in the city be requested to close their stores early August 23, so that everyone may participate in the outing of the Society of American Florists. John Young, secretary of the Society of American Florists, was introduced and given a royal reception. Mr. Young gave an interesting report of convention matters, and was heartily applauded at the close of his remarks. Fred Lautenschlager, vice-president of the Society of American Florists for Northern Illinois, also spoke of the coming convention, and E. F. Winterson, chairman of the sports committee, reported that he had already received a great many prizes, but that many more were needed before his list would be complete. A representative of the Grant Collapsible Planting Pot Co., O. W. Harris, manufacturer, Redlands, Calif., exhibited the Grant collapsible pot and told of its many uses. The next regular meeting will be held at the Union Restaurant, August 1, at 8 p. m.

NORTHAMPTON, MASS.—H. W. Field is remodeling his flower store.

LARGE STOCK OF ALL SEASONABLE FLOWERS

Some of Our Specialities

ASTERS, \$1.50, \$2.00 and \$3.00 per 100.

Augusta Gladiolus, fancy \$4.00 per 100 **Mrs. Francis King and America**, \$5 to \$6 per 100

Valley, - \$3.00 to \$4.00 per 100 **Roses**, - - - \$3.00 to \$8.00 per 100

Sweet Peas, - - - 40c to 75c per 100.

Harrissii, - - - \$8.00 to \$10.00 per 100.

Fancy Ferns, best in Chicago, \$1.25 per 1000.

Mexican Ivy, - 75c per 100; \$6.00 per 1000.

We want a few new live buyers.

Write for special prices.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES

Central 2571

Automatic 48-734

CHICAGO

Harrisburg, Pa.

BUSINESS VERY QUIET.

Business in general is very quiet in this city and it is not to be expected that the florists are reaping a rich harvest. While it is dull around the retail stores, the growers here, as elsewhere, must keep pegging away if they expect success during the coming season.

NOTES.

The Berryhill Nursery Co., of which W. E. Hamilton is the energetic manager, is now well located in its new quarters at Penbrook, opposite the Colonial Club. At this new site they have over forty acres of land and have erected several good greenhouses. All their business is now done from the new site, the old quarters on South Thirteenth street having been vacated. One of the noteworthy orders which they recently filled—it would be noteworthy for even New York or Chicago—was the filling and arranging of over fifty window boxes on the front of the Harrisburg Telegraph Building on Federal Square. The building is of seven stories, the ground floor being occupied by the telegraph counting room. Over the entrance are boxes filled with dracaenas, geraniums, nasturtiums and English ivy. In filling of the remainder of the boxes, the same stock is used, excepting the dracaenas. It is unusual to see every window of a six-floor front filled with luxuriant plants and flowers. The entire front is practically covered and it is the cynosure for the eyes of all visitors to Harrisburg. We believe that the happy thought originated in the fertile brain of Frank R. Oyster, business manager of the telegraph company.

Albert Abendroth, one of the young and enterprising growers who has only been in business about two years, will soon erect another house for general stock.

Chas. L. Schmidt has now a very neat store at 313 Market street, and though it is rather dull just now, he has had a good season.

St. Louis.

VERY LITTLE DOING.

Extremely warm weather prevails and summer dullness with it. At the wholesale houses the buyers are scarce, floral designs being the only outlet. The retailers do not stock up. They are busy painting and overhauling their stores. Vacations are indulged in, em-

ployes taking their turns. This week outdoor flowers in general have shortened, thus giving a chance to unload and clean up the gladioli stock. Carnations and the new crop in roses are coming in very small, the very warm weather telling on them. Quite a number of good lilies are in. Killarney roses arrive soft and open. Maryland's seem to hold better.

NOTES.

F. H. Weber is putting new benches in his greenhouse adjoining his store. He is busy writing his annual report as vice-president of the Society of American Florists for Missouri. Fred is hustling and obtaining new members and will make a very good showing.

C. A. Kuehn is receiving some very nice rubrens lilies, also some good fancy asters. He has received consignments of gladioli from the Paris Floral Co.

Jim Arado at C. Young & Sons, has returned from his vacation. He probably will attend the convention if the firm can spare him.

Arthur A. Kring, with H. G. Berning, is out on his vacation. Henry is receiving some extra good white carnations.

Ed. Kelley, of the Kelley Floral Co., is at the wholesale house daily and gets his share of summer business.

Frank Windler, with the Wm. C. Smith Wholesale Floral Co., is now taking his well earned vacation.

Dave Geddis will have charge of F. H. Weber's store while the latter is away in Chicago.

Thomas Smith, keeper at Carr Park, complains of bugs playing havoc with the trees.

Latest reports state a good contingent will leave St. Louis for the convention.

Mrs. M. M. Ayres will leave shortly on her vacation. W. F.

San Francisco.

MARKET OVERLOADED WITH POOR STOCK.

Business continues normal, stock of all kinds moving slowly with a market overloaded with inferior stuff. American Beauties, low grade at best, bring \$1.50 a dozen, while with one exception all other rose stock sold for 25 cents a dozen, the top price. Field-grown Ulrich Bruner, the best rose on the market, brought less than 50 cents. Cecil Bruner, in abundance, sold eight bunches for \$1.00. Carnations brought only 20 cents a dozen for the best;

BEST TRAINS

BETWEEN

ST. LOUIS

AND

CHICAGO

VIA

C. & E. I.

Chicago and Eastern Illinois R. R.

The Official Route to the
**Convention of American
Florists at Chicago.**

A Few of the C. & E. I.'s Unequalled Advantages:

LaSalle Street Station in the heart of Chicago.

Lounge-Grill Car Service.

Free Combination Club and Chair Car Service De Luxe.

Official Mail Route.

Restful Sleep.

Fewer Stops.

Locomotives Unequalled for Power and Speed.

Less Noise.

Observation-Buffer-Library Cars.

W. H. RICHARDSON

GENERAL PASSENGER AGENT

Chicago, Ill.

dahlias, 50 cents. Gladiolus America is excellent, sells well, and could be had all week at 50 cents a dozen. Asters are arriving and with the week's end a fair quantity of Lillium lancifolium roseum and album arrived, bringing \$1.50 and \$2.00 a dozen stems, some Lillium auratum going at \$2.50 a dozen. Valleys average 35 cents. Cattleyas move right along at 50 cents and 60 cents a hundred.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

A Cordial Invitation

is extended to the trade to make our store their headquarters while they are in the city. We are fitting out the second floor of our store for the convenience of the visitors to the S. A. F. convention, and we assure you that we would be pleased to have you with us during convention week.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....	4.00	3.00	2.00	1.00			
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	10.00	8.00	6.00				
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Sweet Peas.....	1.00	.75	.50				
Peonies.....	5.00	4.00	3.00				
Daisies.....	1.00	.75					
Auratum Lilies.....	8.00	6.00					
Glad oil.....	6.00	4.00	3.00				
Asparagus Plumosus Sprays.....	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Summer Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

NOTES.

The local papers recently printed articles in which it was stated that the "City Beautiful" managers had petitioned the board of supervisors to appoint a city gardener at a salary of \$3,000 a year. The facts are that the petition asks the appointment to the "City Beautiful" movement of a typist at \$75 a month, a secretary at \$200 a month and a gardener at \$100. Thus the pen is mightier than the spade.

The MacRorie-McLaren Co. reports progress on its two steel framed orchid houses in course of construction. One large house stocked entirely with Cattleya Dowiana, just coming in, will give a heavy cut this season. One plant from this stock carrying forty-three blooms was sold during the week to a local enthusiast.

Pelicano, Rossi & Co. report business satisfactory for the month to date, both funeral and counter sales exceeding that of the corresponding period last year.

CLINTON, CONN.—Nelson Anderson, the local florist, and Miss Emily Ohlson, of Ivoryton, were married at Waterbury, July 20.

SOUTHAMPTON, L. I.—The Southampton Horticultural Society held its sixth annual exhibition July 24 and 25.

Louisville.

SPECIAL SALES DISCONTINUED.

The hot weather has made sweet peas a thing of the past and the carnations are getting very poor. Lilies are plentiful and many go to waste. A department store here has been making special Saturday sales of carnations at 25 cents per dozen. The florists also made the special sales at the same prices, but these sales have been discontinued for the present.

NOTES.

July 23 was a red-letter day with the florists here. There was a large attendance at the picnic and all enjoyed themselves. One of the Indiana contingent won the ice cream eating contest. Ten plates is said to be his record. John Skrobanek won the peanut rolling contest, Jacob Schulz, the dean of the Louisville florists, coming in second.

F. Walker & Co. have purchased a tract of land called Deer Park, formerly owned by the late E. D. Standiford, formerly president of the L. & N. R. R., and used by him as a park for 75 deer. The land is of the finest level blue grass soil. A range of houses will be built and the place will be called the Deer Park Conservatories and Nurseries. H. G. Walker will have charge.

Caleb Powers, well-known member of Congress, has written in reply to F. Walker & Co.'s letter condemning the Bourne parcels post bill, that he would give the matter careful consideration and mailed them his speech on the subject.

Nanz & Neuner are rebuilding a range of 10 greenhouses.

The last winter was the severest ever known in Kentucky. The Donaldson Co. reports its loss on boxwoods and other evergreens as more than \$15,000.

Mrs. C. B. Thompson, one of the leading florists of Louisville, met with a painful accident a few days ago. Mrs. Thompson fell down her cellar steps. She was rather badly shaken up, but is able to be at the store again.

Ben Lord has leased the greenhouses built by S. C. Thompson and sent in the finest sweet peas that ever came to the Louisville market. They were of the Spencer varieties.

The Kentucky Nurseries have bought more land and are making extensive additions to their stock, importing considerable from Europe.

Mrs. M. D. Remers has found it too much trouble to run two places and has discontinued her stand at the Seelbach Hotel.

Mr. Leeming has planted the large new greenhouse he has just completed in chrysanthemums. H. G. W.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

Large Supply
Fancy Asters
and Gladioli

Cut Flowers
AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers
and Greens

Gardenias a Specialty

A Trial Order Solicited

Philadelphia.

TRADE VERY SLACK.

Business is not one whit better than can be expected for the season of the year. In fact, some of the dealers say that it is not up to the volume of last year at this time. There is the usual dearth of good roses, only the imported eastern stock and the highest grades of My Maryland being considered for particular buyers. There is considerable funeral work, without which the situation would be very bad indeed. Gladioli and asters are now to be had in quantity, and add much desired variety to the stock, which, without carnations and sweet peas, is very meager indeed. Lily of the valley and Easter lilies are staples that are almost always to be relied upon. Cattleyas are almost out of sight, with but few coming in and the price moving to 75 cents each. There is an abundance of greens at buyers' prices.

NOTES.

The Robert Craig Co. is progressing with the addition to its already large plant at Norwood. This will consist altogether of 50,000 feet of glass. One gets a better idea of what this means when it is known that this is the size of W. K. Harris' place at Fifty-fifth street and Springfield avenue. All of Norwood combined with the old ranges at 49 Market gives a glass area of close on to 300,000 feet, which is something of a place. Almost the entire establishment is given to growing of foliage and flowering plants, the only cut flowers being a few chrysanthemums in the fall.

Mr. Eschner, of the Rice Co., says that it is well to look out for the cheap grades of magnolia leaves, particularly the greened ones, as they contain dyes that are dangerous if they are handled by persons with bruised or cut fingers.

Robert Shock, of M. Rice & Co.'s force, is passing his vacation at High Point, on Barnegat Bay, where he is having a great time fishing and getting browned up for the convention.

Mrs. Taft, Eastern Beauties, Kaiserin and My Maryland from local growers are specialties with the S. S. Pennock-Meehan Co. Gladioli and asters are also leaders.

A variety of tumbler baskets are among the latest importations of H. Bayersdorfer & Co. They are very attractive and bound to be big sellers.

Lilium Roseum and New York sweet peas are among the best sellers with the Leo. Niessen Co. Some very good asters are seen here.

Ed. Reid has the best local American Beauties and a good line of imported stock in the same variety. Lily of the valley is a leader as well.

Berger Brothers, the Thirteenth street merchants, are featuring galax leaves, of which they have a specially selected stock on storage.

Alfred Campbell is strong on asparagus. The first locally grown Hatcheri is being offered by him and he says it is going to be a winner.

Robert Craig, George Craig and Robert Kift spent the week end with John Westcott at his Waretown bungalow.

John Westcott had the misfortune to lose his foreman, Oscar A. Kramer, in a tragic manner last week. He had been a great sufferer from neuralgia. A severe attack unsettled his mind and he committed suicide by taking poison. He leaves a wife and four children. He was 34 years old.

Cincinnati.

MARKET CONDITIONS ORDINARY.

The general market conditions are ordinary. The good choice stock in most lines cleans up quickly, while the shorter stock lingers and some of it must be sold in lots to tempt the buyers. The bulk of the offerings comprises outdoor stock and includes gladioli and asters. The large receipts of the former have been cleaning up tolerably well, but it can hardly be said that they realize the price they should bring. The light colors predominate. Most all of the offerings are choice. The aster supply is large, but it includes only a limited amount of long choice stock. This, however, practically sells at sight. The shorter offerings are good as far as general quality is concerned, but they are in too large supply. The colors include white, light pink, deep pink, lavender and purple. Included in the offerings from outdoors are hardy hydrangeas, sweet peas and water lilies. The call for the first named is only ordinary. The sweet peas are holding on longer than was expected and considering all are of fair quality. The water lilies, especially the choice very double ones, find a good market. The lily offerings are excellent, but the same can hardly be said of the demand. They include aratum, giganteum and speciosum rebrum. Some of the best giganteums offered are grown locally out of doors in frames that have long since been uncovered. In spite of the increased new cuts of roses the aggregate sup-

ply on hand each day is the same as at last writing if not smaller. The offerings are, however, as a whole adequate. More choice stock could easily be used. The American Beauties are selling on sight, but include few really long ones. The green goods market is ample.

NOTES.

There is considerable preparatory activity among those going to the convention. The enthusiasm of those arranging for parties has stirred some of the others to activity and now it seems as though nearly everyone who can arrange to get away will join one or the other party. Many from out of town will also be with them when they leave. One of the florists' specials will leave at noon over the Big Four, while the other leaves at 11:25 over the C. H. & D. Those intending to take the former should notify either C. E. Critchell, 34 East Third avenue, or A. C. Heckman, Jr., of the Cincinnati Cut Flower Exchange, 24 East Third avenue. Those making the night trip should get in touch with E. G. Gillett, 151 East Third avenue.

C. E. Critchell has been receiving some very fine Easter lilies from Henry Gockel. The hydrangeas that Mr. Critchell has been receiving are also A1.

Ed Fries is very busy. He is building a new house, setting a new boiler and erecting a new stack, and still finds time to send some fine lilies to the market.

Miss Margaret Anstead is back at her desk at E. G. Gillett's, after her vacation.

C. E. Critchell is also doing some tall hustling in trying to increase the S. A. F. representation locally.

Eddie Schwartz is back from Philadelphia and Atlantic City, where he spent the past three weeks.

P. J. Olinger is in Chicago with his family. He will be back at the end of the week.

E. G. Gillett has been finding a very good market for pond lilies from Chas. Plummer, Amelia, O.

Mrs. Wm. Gear and sons have been at Longenecker, Ind., for a fortnight.

Visitor: Ed. F. Kennon, the Climax boxman, from Castorland, N. Y. H.

CRESTON, IA.—Carl Gehricke of Pittsburgh, Pa., will establish a greenhouse here.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

George Reinberg Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Rochester, N. Y.

COOL WEATHER FAILS TO HELP.

Cool weather has returned but business has not improved and the usual summer dullness prevails. Early asters and gladioli are making their appearance. Growers say the aster supply will be small this year. Carnations are very low, both in quality and quantity. There are some excellent Taft roses on the market at present Kaiserins and Killarneys are also good. The few sweet peas that are left are very poor, this having been an unsuccessful season for them. Several large funeral orders keep the florists busy at times.

NOTES.

Miss Kueter, of H. P. Neun's store, has been confined to her home for some time with an attack of typhoid fever. She will spend a few days in Hilton to regain her health.

The Maurer-Haap Co. expects a large consignment of French-Roman

HOERBER BROS

Wholesale Cut Flowers
 Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, July 31.	Per doz.
Roses, Beauty, specials.....	3 50@ 4 00
" " 36 in.....	3 00
" " 30 in.....	2 50
" " 24 in.....	2 00
" " 15-20 in.....	1 25@ 1 50
" " 12 in.....	75@ 1 00
" " Short.....	4 00@ 6 00
" Killarney.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Prince de Bulgarie.....	4 00@ 8 00
" Radiance.....	4 00@ 8 00
" Mrs. Aaron Ward.....	4 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Melody.....	4 00@ 8 00
" Bride.....	2 00@ 8 00
" Bridesmaid.....	2 00@ 8 00
" Mrs. Jardine.....	2 00@ 8 00
" Kaiserin Augusta Victoria.....	1 00@ 2 00
Carnations.....	1 00@ 3 00
Asters.....	6 00@ 7 50
Cattleyas..... per doz.,	75
Daisies.....	35@ 50
Feverfew..... per bunch,	3 00
Gardenias.....	75@ 1 00
Gladioli..... per doz.,	8 00@ 10 00
Lilium Harrisii..... per doz.,	1 00@ 1 50
Marguerites.....	50@ 75
Stocks fancy..... per doz.,	50@ 1 00
Sweet Peas.....	2 00@ 4 00
Valley.....	1 00
Adiantum Croweanum.....	1 50
Ferns..... per 1000,	1 25
Galax.....	75
Leucothoe.....	60
Plumous String..... each,	2 00
Smilax..... per doz.,	3 00@ 4 00
Sprengerii, Plumous Sprays.....	

hyacinths so on. This firm is exhibiting some crinum bulbs which attract many people.

Large crowds are visiting the Lambertson Conservatory at Highland Park, where there is a large display of gladioli.

Miss Nellis, of H. E. Wilson's store, spent two weeks at Thousand Islands recently.

Frank MacLucas has returned from New York, where he spent two weeks.

Geo. B. Hart is handling some very fine pure white gladioli.

Clarke Vick, of G. B. Hart's force, is taking his vacation.

Street vendors are selling large quantities of pond lilies.

Joe Werdein has been very busy with band work lately.

C. G.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

Wholesale Florists

160 N. Wabash Ave., CHICAGO

PHONES { Central 3155
 Automatic 44-389

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Cut Flowers
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Percy Jones

56 E. Randolph St., CHICAGO



Field Grown Carnation Plants

Mrs. C. W. Ward, White Perfection, Winsor, R. P. Enchantress, White Enchantress, Queen Enchantress, Alma Ward, Beacon, Dorothy Gordon, Bountiful, Victory, Wenonah.

Our plants are ready for shipment now, and we exercise special care to send out only healthy stock. Let us figure on your requirement; according to quantity ordered we will quote you the lowest market price.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by

Hoffmeister Floral Co.

Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin, Bon Silene and Safrano. All clean, healthy stock. WRITE FOR PRICES.

Asparagus Plumosus Narus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprenger seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT,

Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Hagerstown, Md.

William Bester, a brother to the senior member of the firm of Henry A. Bester & Sons, is also an extensive grower of general stock, and has a nice retail store in the Hotel Hamilton. The Bester family has been in the florist trade for almost fifty years, their father, a native of Germany, having founded the business.

Henry Bester & Sons have two ranges comprising over 50,000 square feet of glass. Though they have considerable local trade, much of their stock goes wholesale to Baltimore, Washington and other cities. In addition to fine roses and carnations, they grow a great variety of other stock.

Henry Holzapfel, Jr., is another Hagerstown grower, with over 50,000 square feet of glass. His range is noted for carnations, many of which are handled by the Florists' Exchange of Washington, D. C. He also grows a good variety of other stocks.

CHARLISLE, PA.—W. S. George, who has held good positions as a gardener and florist on private estates, has bought a residence and several acres of land on West street and has erected one greenhouse.

Wholesale Flower Markets

BUFFALO, July 31,		Per 100
Roses, Beauty, special	20 00	25 00
" " fancy	15 00	20 00
" " extra	12 00	15 00
" " No. 1	6 00	10 00
" " No. 2	2 00	4 00
Maid and Bride	3 00	6 00
Pink Killarney	3 00	6 00
White Killarney	3 00	6 00
Richmond	3 00	8 00
My Maryland	3 00	6 00
Kaiserin	3 00	8 00
Carnot	3 00	7 00
Carnations	1 00	1 50
Asters	1 00	2 00
Gladioli (in doors)	3 00	5 00
Lilium Longiflorum	7 00	10 00
Lily of the Valley	3 00	4 00
Swainsona	50c	1 00
Sweet Peas	per bu., 4c	
Adiantum Croweanum	75c	1 50
Asparagus, per bunch	35c	50
Asparagus, Sprenger	35c	50
Ferns	per 1000, \$1 50	
Galax	per 1000, \$1 50	
Smilax		15 00

BOSTON, July 31,		Per 100
Roses, Beauty, best	20 00	25 00
" " medium	12 00	20 00
" " culls	1 00	2 00
" " Bride, Bridesmaid	2 00	6 00
" " Extra	2 00	6 00
" " Killarney and Richmond	2 00	8 00
" " My Maryland	2 00	8 00
" " Carnot	6 00	12 00
Carnations, select	1 00	2 00
Callas	8 00	12 00
Cattleyas	35 00	50 00
Gardenias	4 00	12 00
Lilium Longiflorum	4 00	8 00
Lily of the Valley	2 00	4 00
Mignonette	3 00	6 00
Narcissus, yellow	1 00	3 00
" " white	1 00	3 00
Sweet Peas	25c	75
Smilax	12 00	16 00
Snapdragon	6 00	8 00
Spirea	2 00	3 00
Stocks	2 00	4 00

St. Louis, July 31,		Per 100
Roses, Beauty, medium stems	25 00	30 00
" " short stems	2 00	4 00
" " Killarney	2 00	4 00
" " My Maryland	3 00	5 00
" " White Killarney	2 00	6 00
Asters	2 00	4 00
Easter Lilies		10 00
Gladioli	2 00	3 00
Peas	40c	60
Valley	3 00	4 00
Asparagus Sprenger	2 00	3 00
Asparagus Plumosus, per bu., 35c		
Ferns, New, Fancy		1 50



Give us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, **BUFFALO, N. Y.**
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist, 1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

CINCINNATI, July 31,		Per 100
Roses, Beauty	per doz., 50c	3 00
" " Bride, Bridesmaid	2 00	8 00
" " Killarney	2 00	8 00
" " My Maryland	2 00	8 00
" " Perle	2 00	8 00
" " Richmond	2 00	8 00
" " Taft	2 00	8 00
Asters	2 00	5 00
Lilium Gigantum	4 00	8 00
Gladioli	2 00	8 00
Lily of the Valley	3 00	4 00
Adiantum		1 00
Asparagus Plumosus	per bunch,	25
Asparagus Sprenger	per bunch,	25

C.C. POLLWORTH CO.

MILWAUKEE'S
LEADING PLANT,
CUT FLOWER AND
FLORIST SUPPLY
HOUSE.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Cleveland.

DEMAND VERY SLIGHT.

There is not much of a selection at the local wholesale houses at this time of the year, neither is there much of a demand for high-priced stock. About the only thing now that keeps trade moving is an occasional funeral. The Eagles' convention is the cause of a good demand for artificial decorative stock. Beach sprays, all colors, and artificial flowers are used quite extensively for interior work, while bunting and flags decorate the outside of scores of blocks and business houses. Carnations are becoming poorer every day, very few good ones to be had. Roses clean up daily. Sweet peas have been poor. Gladioli are good stock with fair demand. Asters (with the exception of a few indoor stock) are small and short of stem. Greens of all kinds are plentiful.

NOTES.

Fred C. Wittkuhn, Sr., his sons Fred, Jr., and Frank, and a friend visited Buffalo and Niagara Falls this week, leaving Monday and returning Friday evening. They report a good trip, outside of a few punctured tires and a blowout. Their machine stood the test fairly well. This was a kind of a preliminary to the big trip to Chicago, when the Cleveland florists' auto squad will go about a dozen strong.

Geo. B. Wiegand and his wife, mother and daughter, of Indianapolis, motored to this city and are the guests of H. A. Jones, of the Jones-Russell Co.

T. B. Stroup and family, of New Philadelphia, Ohio, passed through Cleveland on their return from Niagara Falls, Friday. C. B.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, July 31.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
Carnations.....	1 00@ 2 00
Asters.....	2 00@ 3 00
Daisies.....	50@ 1 00
Gladioli.....	3 00@ 4 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	50
Swainsona..... per bunch,	25
Asparagus..... per bunch,	50
" Sprengerii, per bunch,	35
Ferns, Fancy..... per 1000,	1 50
Galax..... per 1000,	1 50
Smilax..... per doz.,	2 00

PITTSBURGH, July 31.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@25 00
" No. 1.....	6 00@10 00
" Bride, Bridesmaid.....	2 00@ 4 00
" Chateaux.....	2 00@ 4 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	2 00@ 4 00
" Richmond.....	2 00@ 4 00
Carnations.....	1 50@ 2 00
Cattleyas.....	50 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Sweet Peas.....	50
Violets, single.....	25
" double.....	50
Adiantum.....	1 00
Asparagus Sprengerii, per bunch,	35
Sprays..... per bunch,	35

PHILADELPHIA, July 31.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Gardenias..... per doz.,	1 00@2 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch,	50
Smilax.....	15 00@20 00

THOMPSONVILLE, CONN.—Charles H. Furey has disposed of his cut flower and music store to Edward Lynch.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peelless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street.

ST. LOUIS, MO

Mention the American Florist when writing

New York.

SCARCITY HELPS PRICES.

No increase of business is to be expected the last of July, but there has been for the past week an improvement in conditions, due altogether to a decided curtailment of roses and carnations. Previous prices were so meager that it resulted in a general cessation of shipments of roses, and carnation growers are replanting, so that with small receipts of these staples and no great abundance of asters, the market took on a healthier tone with a marked improvement in prices. The warm weather of early July hastened in a big crop of lilies prematurely, which it was not possible to market at even a decent price and now with a diminished cut there has been an advance in price from four to six dollars per hundred over the figures of two weeks ago. The improvement covers valley and cattleyas, the supply of the latter being light. All green stock sells poorly. Receipts of asters are increasing daily but the quality is inferior to those of last year.

NOTES.

Chairman F. H. Traendly of the transportation committee of the New York Florists' Club reports that bookings on the Club's special train to Chicago, for the convention of the S. A. F., are daily being made. The special train is contingent upon the securing of 100 passengers, but as the club invites anyone, no matter whether a member or not, either of the club or the society, from any section having New York as its most convenient point of departure for the West, there should be no difficulty in booking the required number. The train is scheduled to leave the Grand Central Terminal, Forty-third street and Lexington avenue, at 10:30 a. m. on Monday, August 19, and is due in Chicago about 8:45 a. m. the following day. The fare on the special will be \$18.15 in each direction, with Pullman berths \$5 for lower and \$4 for upper. The arrangements provide for the highest class of cars, with dining car, buffet, library, smoking car, and observation car. Meals in the diner will be served on a table d'hôte basis of \$1 per meal. Should less than 100 persons book, regular train service only will be provided and ten person party rates will apply, which means an additional charge of \$5 each way.

Invitations are out for the wedding of Miss Concetta Tortora to Angelo R. Dentale Sunday August 4, at St. Anne's church, Jersey City.

Charles Trepee, who has been ill, at his country estate, was a visitor to the "street" during the week.

Mr. Handling of Russin & Hanfling will return from Europe Saturday.

Ralph M. Ward will arrive home from Europe Thursday.

H. E. Frament will spend a few weeks in Saratoga.

John A. Foley is spending his vacation in Vermont.

Visitors: Edw. Slattery, Buffalo, N. Y.; Sydney Hoffman, Boston, Mass.

Toronto.

REMARKABLE SUMMER TRADE.

The remarkable way in which business keeps up has made this season a notable one, and the continued scarcity of stock with the many orders coming in make conditions anything but pleasant. Roses from the new stock are beginning to arrive and are in good condition, but not plentiful enough. Carnations are about over, with very few good ones. The first gladioli, sweet peas and asters are now on the market, but are all scarce.

NOTES.

Montreal convention talk is very prevalent and it seems that a good

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

P. H. GOODSSELL,
200 Broadway, New York City

J. J. HUNTER W. E. MAYNARD
Supt. of Sales Rooms and Warehouse Mgr. Sales Dept. (Basem't)
157-159 William St., New York

crowd will go, although, owing to the scarcity of help, some of the retail men will be detained at home.

Mr. Hay, of the Canadian Floral Co., Montreal, was also looking for stock here. He says even ferns and palms are scarce in his town.

J. Connon, manager of the Connon Floral Co., Hamilton, was here looking for stock, as there is none to be had in his section.

The Bedford Park Floral Co. has added American Beauties to its list and is cutting fairly good flowers at this early date.

Geo. Geraghty, John H. Dunlop's manager, is off to Atlantic City for a salt water dip.

W. Muston, of the Toronto Floral Co., is spending his vacation abroad.

H. G. D.

Boston.

GOOD CALL FOR ROSES.

There is a little ripple in the market this week. Roses are having a good call. The young stock has not begun to flower and the old stock is being cut back. This leaves a vacant spot, and those who have the flowers are having no trouble to dispose of them. There are very few good roses on the market and the same may be said about the carnation, which is showing decidedly the effects of over-work. Asters are in, but not enough to cause any glut. Some are good and some are not what they ought to be, but they bring at present a few shekels. We noticed some very nice ones at Welch Bros. Co., white, with good stems carrying a fine flower.

FLORISTS' CLUB PICNIC.

The Gardeners and Florists' Club's picnic was held July 24 at Cunningham park, East Milton, and was attended by more of the trade than in former years. We believe it was the hard and painstaking work put in by President Pegler that made the attendance larger than usual. Tom worked hard and his genial soul was gladdened by the results of his labors. The committee also ought to get some honors for the way everything was handled. It was an ideal place, the best grounds except one that they have had yet, and the day was an ideal one for the sports. Everyone went happy and came home happy. As usual the private gardeners put it all over the commercial men in the tug of war, although there was beef on both sides.

The results of the contests were as follows:

Baseball for boys—White Sox, Capt. Palmer, 11; Red Sox, Capt. Phil Roland, 5. Quoit match—Private Gardeners, under Capt. Kenneth Finlayson, 5; Commercial, under Capt. D. Iliffe, 1. Lawn tennis for ladies—Miss Westwood, Miss Palmer. Race for boys under 8—Andrew Rogers, Jas R. Doyle. 100-yard race for single ladies—Edith Iliffe, Wilhelmina Prae. Race for girls under 8—Mary Flood, Margaret Duguid. Time race—Mrs. Eisenhart. Egg and spoon race—Mrs. Cole, Mrs. Wood. Potato race for boys—Philip Roland, Carl Prae. Flag race for girls—Margaret Iliffe, Edith Harblison. High jump—F. Palmer, W. J. Collins. Fat men's race—Frank Edgar, James

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

Wheeler. Baseball, married vs. single ladies—won by the single ladies, 13 to 12. Putting shot—W. J. Collins, H. Prae. Race for boys and girls under 6—Arthur Rogers, Jennie Brown. Needle-threading race for ladies over 50—Mrs. Fred Palmer, Mrs. Larry. 100-yard race for men—Henry Prae, Wm. Iliffe. Sack race for boys—Wm. Westwood, Lawrence Hollingsworth. Race for girls under 12—Mary Iliffe, Susie Rogers. Three-legged race for men—Palmer and Westwood, Collins and Prae. Race for boys under 12—P. Roland, Lawrence Hollingsworth. Three-legged race for boys—Westwood and Iliffe, Hargraves and Prae. Sack race for men—W. J. Collins, C. Prae. Obstacle race—Tom Westwood, Walter Westwood.

NOTES.

Thursday last, July 25, a dinner was tendered J. K. M. L. Farquhar at Yong's hotel. It was attended by all the prominent men in the trade. The plaudits and the trend of the speeches left no doubt in the mind of the guest that Boston is proud of him and the trade in general looks to him as a king pin in the horticultural ranks. His training and his extensive travels place him on a pinnacle few of us ever hope to reach. We feel it is nice to laud a man when he is alive and not save all the eulogies till after his departure.

MAC.

Baltimore.

Richard Vincent, Jr., of White Marsh, president of the Society of American Florists, and Mrs. Vincent, with Mr. and Mrs. J. W. Boone, Mr. and Mrs. H. Klein and a number of others, will leave in a few days for Chicago. They wish to take in the sights before settling down to the work of the convention. Mr. Vincent has just returned from Europe, where he made addresses on the cultivation of flowers, notably at the international exhibition in London and also in Belgium and France.

The florists' outing to Chesapeake City was very enjoyable, although the day was stormy. In the bowling match for ladies, Mrs. J. J. Perry received first prize, a cut glass dish. Mrs. Quick won second prize, a vase. Mr. Eberly was first among the gentlemen bowlers, receiving a handsome silk umbrella. Owing to the stormy day many of the events did not come off. At a later date another outing will be held, when the prizes left over will be distributed.

I. H. Moss is enjoying his new car to judge by the way he is touring the country in it. Almost any fine day he and a number of friends are out for a spin to some spot of interest in the country or to call on his florist friends.

A very severe storm passed over this vicinity last Sunday. Trees were uprooted, wires torn down and telephones put out of commission. Crops were damaged also.

The flower market is doing a quiet business. Many out-door flowers, including asters, are making their appearance.

Wm. Johnston and wife will go to their summer home in New York state and from there to the convention.

Hans Anderson has finished planting his rose houses. B.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies



Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.

Traendly & Schenck,

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799.

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephones. 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone 6237 Madison Square

NEW YORK

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
 Telephones, 1328. 1998 Madison Square
49 West 28th Street New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK, July 31,	Per 100
Roses, Beauty, special	15 00@30 00	
extra and fancy	10 00@15 00	
" No. 1 and No. 2	2 00@8 00	
Bride, Bridesmaid, special	2 00@8 00	
extra and fancy	3 00@5 00	
" No. 1 and No. 2	1 00@3 01	
Killarney, My Maryland	4 00@6 00	
extra and fancy	3 00@4 00	
" No. 1 and No. 2	1 00@2 00	
Taft, Hillingdon, Aaron	1 00@5 00	
Ward	15 00@2 00	
Richmond	50 00@3 00	
Asters	15 00@2 00	
Carnations	20 00@50 00	
Cattleyas	8 00@15 00	
Gardenias	4 00@8 00	
Lilies, Longiflorum and Harrisii	1 00@2 00	
Lily of the Valley	15 00@25 00	
Adiantum Croweanum		

M. C. FORD

Successor to FORD BROS.

Receivers and SHIPPERS of FRESH FLOWERS.

121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888

1912

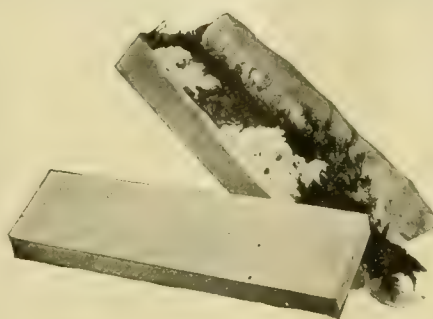
GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

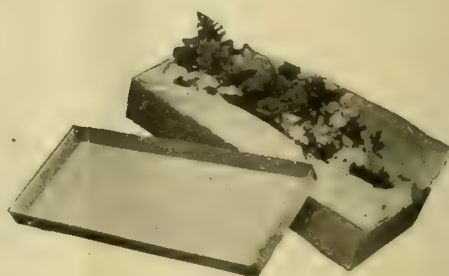
FLOWER BOXES That Are Distinctive



Neat Printing, High Quality and Finish of Material give distinction to

SEFTON

FOLDING CUT FLOWER AND CORRUGATED DESIGN STYLE
FLORISTS' BOXES



Equalize and standardize the quality of your packages and floral effects. Have them recognized by uniformity of neatness, attractiveness and safety in protection. The result will be increased orders.

THE SEFTON MFG. COMPANY, 1335 WEST 35TH STREET, CHICAGO
Factories: Chicago, Ill.; Anderson, Ind.; Brooklyn, N. Y.

Denver.

LITTLE GOOD STOCK.

Business is very quiet. What first-class stock comes in sells readily, but there is very little of it. Short and poor quality roses are plentiful, but hard to dispose of and many eventually go to the dump. Outdoor-grown sweet peas are wholesaling at from 15 to 20 cents a hundred. Asters and dahlias will be in this week, and together with other outdoor stock, will probably crowd the greenhouse products out of the running for a few weeks.

NOTES.

The Denver Wholesale Florists' Co. has been fortunate in securing N. A. Benson as a member of the firm. This addition makes the concern the largest west of the Missouri river, with two hundred thousand feet of glass devoted exclusively to cut flowers. This company does a very large shipping business and in the past has had great difficulty in filling orders, but with their increased capacity expect to take good care of all old friends and customers and secure new business besides. At a meeting of the directors the following officers were elected: Fred Hall, president; N. A. Benson, secretary; C. F. Maler treasurer.

The Denver Floral Co. has closed its store for a few months, but will probably open in a new location this fall. In the meantime the Gustafsen sisters, who ran the store, have gone on an extended trip through the East. Mr. Brinkert says he is taking a "vacation" out at the greenhouses.

A heavy rain Sunday, July 14, caused a flood in the lower part of town which did a great deal of damage. The Barteldes Seed Co. reports a loss of ten thousand dollars.

Chas. Blank, formerly with the Mauff Floral Co., has gone to work for R. M. Greig, Anaconda, Mont.

Loken & McDonald have rented the greenhouses formerly owned by F. X. Goerchl.

T. W. H.

Salt Lake City.

TRADE VERY SLUGGISH.

The cut flower business is at a standstill at present. All stock is looking exceptionally well for this time of the year. We have had a very favorable season, not too hot and plenty of moisture. The retail people are cleaning and overhauling their stores and getting ready for the fall business. The growers are busy repairing and getting in shape to furnish the needed stock. There is considerable new glass going up in this vicinity. The Miller Floral Co. will soon have a new



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Lecnothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....Per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

addition completed and ready to plant. Olaf Lingreen has two new large houses well under way. Fred Pinchen has one new house nearly completed. The sweet pea is the leading cut flower at present. Asters and gladioli will begin to come in in a few days.

NOTES.

John Reading of Centerville, Utah, is the leading sweet pea grower of this part of the country. Mr. Reading was the first man to enter the floral business in Salt Lake City. About forty years ago he owned property on which his greenhouses were built, which is now near the best business district of the city and is covered with tall buildings. His field of sweet peas at Centerville is a beautiful sight.

There is some talk of organizing a state florist club soon. Greater enthusiasm is noticed among the florists of Utah than has ever been here before. There are some real live ones here now, and the indications are that some of the old timers will have to change their systems or they will be numbered among the has beens.

Asters and gladioli will commence coming in in a few days. They are looking well and there will be plenty of them shortly.

L.

Oklahoma City.

FLOWERS NEED RAIN.

The flower business has almost settled down to the usual summer conditions, little doing of any description. Outdoor flowers are still fairly plentiful, gladioli being the most in evidence. Vegetation in general is beginning to show the need of water. We have had no rain here since June 28, and at times the wind has been hot and rather destructive to tender garden plants that did not get good care.

The Truck Growers' Association has taken over a large building which is being fitted up for market purposes, so that a daily market is now an assured fact here all the year round.

S. S. B.

George Cotsonas & Co.

Wholesale and Retail Dealers

In all kinds of

Evergreens

Fancy and Dagger

Ferns, Bronze and

Green Galax, Holly,

Lecnothoe Sprays,

Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone,

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala

Mention the American Florist when writing

Budding Knife Free

See Page 97.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail
Telephone, Telegraph and Cable orders with best
quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone 334 Main

S. MASUR
236 Fulton Street,

Mail, Telephone and Telegraph orders filled
promptly for all occasions.

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

August 4.

FROM MONTREAL, Scotian, Allan.

August 5.

Roma, Fabre, 3 p. m.
Kursk, Russian-American, 2 p. m.
FROM MONTREAL, Letitio, Donaldson, day-
break.

August 6.

Kronprinzessin Cecilie, North Ger. Lloyd.

Lusitania, Cunard.

FROM BOSTON, Franconia, Cunard.

August 7.

America, Navigazione, Pier 64, North River.

August 8.

Pannonia, Cunard.
Cedric, White Star, 12 noon.
President Grant, Ham-Am., 12 noon.

La Savoie, French, 10 a. m.

August 9.

FROM MONTREAL, Corsican, Allan.
From Quebec, Empress of Ireland, Can. Pacific,
3:30 p. m.

Goth, Barber & Co.

August 10.

FROM MONTREAL, Victorian, Allan.
California, Anchor, 3 p. m., pier 64, North
River.

FROM MONTREAL, Scandinavian, Allan.

Niagara, French.
St. Louis, American, 9:30 a. m., Pier 62,
North River.

Lapland, Red Star, 10 a. m., Pier 61, North
River.

Oceanic, White Star, 12 noon.
FROM MONTREAL, Teutonic, White Star-Dom.,
at daylight.

George Washington, North Ger. Lloyd, 10 a.
m., Bremen Piers.

Ocean Prince, Prince.

FROM NEW YORK EXCEPT AS NOTED.

August 11.

FROM MONTREAL, Lake Erie, Allan.

August 13.

FROM BOSTON, Cymric, White Star, 10 a. m.
Rotterdam, Holland-America, 10 a. m.
Friedrich der Grosse, North Ger. Lloyd, 10
a. m.
Campania, Cunard.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt deliveries and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. • Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, 'DARDSFLOR.'

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.Will execute orders for any
town inMissouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Elsher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. O., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Sankes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George
Asmus, Fred H. Meinhardt.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M.A. Rowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A.W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable address "Daniels, Denver"

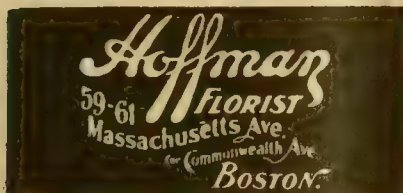
Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS, Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The FLORIST
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Auto. Phone 1840
Granville, O., Phone 26.

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave.
Phone 5297 Plaza.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street, CHICAGO.

Max Schling

NEW YORK

No. 22 West 59th Street

Adjoining Plaza Hotel

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Denver, Colo.

THE BOLDT-LUNDY
FLOWER SHOP

614 16th Street.

ORDERS SOLICITED.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders.

La Crosse, Wis.

LA CROSSE FLORALCO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Washington

The annual outing of the Washington Florists' Club was held at Chesapeake Beach July 24. The day was spoiled by rain and it was impossible to hold the contests, but those that braved the weather say they enjoyed themselves, as there was plenty of amusement furnished by the committee.

Gus Walt, late with the Washington Florists Co., has formed a partnership with Mr. Reesick and the firm hopes to have three houses finished and planted with carnations and sweet peas by September 1.

Mr. and Mrs. Linz leave August 1 for a month's vacation in Boston, Mass., and Portland, Me. They intend to make the trip by boat from Philadelphia.

Mrs. Theo. Diedrich and son Henry sailed from Baltimore July 24 for a visit at Mrs. Diedrich's old home in Germany, which she has not seen in over twenty-five years.

Geo. Smithson, formerly with Geo. H. Cooke, has accepted a position with the Washington Country Club as assistant gardener.

A. and W. Gude have been enjoying a few days of rest down in Old Virginia. G. C. D.

CROMWELL, CONN. — Antone Olson, foreman of one of the rose sections at the A. N. Pierson Co.'s greenhouses, was brutally assaulted by a discharged Italian laborer named Salvatore Barone, July 23. The victim of the attack suffered a fractured skull as a result of a blow from an iron pipe.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch Delmar 768
Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

*Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Poughkeepsie, N. Y.

"The Saltford Flower Show"

Vassar College and Bennett School

Rockford, Ill.

H. W. Buckbee

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsterniana—Made up					
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10		\$ 1 50	7-in.	4	36	\$ 2 50	\$30 00
3-in.	5	12		2 00	7-in.	4	36 to 40	3 00	36 00
4-in.	5	15	\$ 0 35	4 00	9-in.	4	40 to 42	4 00	48 00
5-in.	6 to 7	18	50	6 00	9-in.	4	42 to 48	5 00	60 00
6-in.	6 to 7	24	1 00	12 00	9-in.	4	48 to 54	6 00	
Cedar tub	Leaves	In. high.	Each	Doz.	12-in.	4	5 ft.	7 50	
7-in.	6 to 7	34 to 36	2 50	30 00	4	5½ to 6¼ ft.	15 00		
9-in.	6 to 7	40 to 45	4 00	48 00	Pot				
9-in.	6 to 7	42 to 48	5 00		5-in., nicely characterized			\$1 00	
9-in.	6 to 7	48 to 54	6 00		6-in., 18 to 20-in. spread			1 50	
9-in.	6 to 7	5 ft.	8 00		Cedar tub	High	Spread	Each	
9-in.	6 to 7	6 to 7 ft.	10 00		7-in.	18-in.	24-in.	\$2 00	
Cocos Weddelliana				Per 100	Phoenix Roebelenii				Each
Pot	In. high			\$10 00	5-in., nicely characterized				\$1 00
2½-in.	8 to 10				6-in., 18 to 20-in. spread				1 50
Areca Lutescens					Cedar tub	High	Spread	Each	
in.	Several	5 ft.		\$7 50	9-in.	4 feet		\$3 00	
					9-in.	5 feet		5 00	
					9-in.	6 feet		6 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9 inch and 12-inch tubs (made up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

Geraniums

Rooted cuttings of **S. A. Nutt.** and **Ricard** at \$10.00 per 100; **Poitevine** at \$12.50 per 1000. These prices hold good only until Oct 1st.

Plumosus

My Plumosus has been right for the past fifteen years—it is better than ever now, the price is \$2.50 per 100, in any quantity wanted.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

POINSETTIAS

August Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in. \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

ROSES

We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin.

Vincas,

Variegated and Green.

Ferns, Boston, Asp. Sprenger, Plumosus, Maidenhair, Roosevelt, Whitman and small ferns.

Special price on large plants of Whitman and Boston. Ask for same

GEO. A. KUHL, Pekin, Ill.

CARNATIONS

Field Grown Plants

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them **A1 Value**—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$6.00	\$55.00	Pink Enchantress	\$6.00	\$50.00
Bonfire	6.00	55.00	Victory	6.00	50.00
Princess Charming	6.00	50.00	Lawson	5.00	40.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

Mention the American Florist when writing

Des Plaines Floral Co

Carnations.

Des Plaines,

Illinois

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

Budding Knife Free. See Page 97

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

FRENCH seed crop reports of July 15 continue unfavorable.

AMERICAN WONDER peas, growing in Holland, promise a fine crop.

RALPH M. WARD, New York, passed through Chicago July 30, returning from Japan.

LEONARD H. VAUGHAN, of Vaughan's Seed Store, Chicago, and family returned from the west July 30.

FRENCH freesia bulbs came in nearly a month late this season and in short supply with but few mammoths.

SWEET PEA seed crop reports from England indicate shortages and none for export. American buyers are asking for prices.

HOLLISTER, CALIF.—The Pieters-Wheeler Seed Co. made their first shipment of 1912 crop seeds July 20, consisting of Bloomsdale spinach consigned to Norfolk, Va.—Visitors: Watson S. Woodruff, wife, daughter and niece, Orange, Conn.; J. E. V. Tracy, Washington, D. C.; H. P. Webster, of the Mel L. Webster Co., Independence, Ia.

NORFOLK, VA.—The seed firm of George Tait & Sons, one of the oldest and best known in the state, has undergone a change in management, James T. Moreland and David B. Blackwood succeeding William M. Tait and Robert Tait, who have retired from active membership. Wm. Tait has moved to England, where he will make his home. Robert Tait will continue to reside at Virginia Beach. The firm was established nearly 43 years ago by the late George Tait, and has been continued ever since, his sons succeeding to the management on the founder's death.

National Council of Horticulture.

President Leonard H. Vaughan in his address before the American Seed Trade Association June 25 made the following reference to the work of this organization:

"The publicity which our trade secures at a minimum cost through the press service of the National Council of Horticulture has been of great general benefit. In my judgment the \$200 annual expense gives us excellent returns on the investment. The articles which should in the main be instructive and helpful to seed planters may also include two or three to counteract some of the articles of misinformation disseminated through the United States Department of Agriculture from time to time, as well as some similar articles from various amateur sources—not well informed."

Your Business in Danger.

ACT QUICK AND FIGHT HARD.

Senator Bourne's Parcel Post Bill (S. 6850) is certainly masquerading under a wrong name! It might better be called "A Business Destruction Bill," for it will practically mean the destruction of most businesses that rely upon sending out catalogues, circulars, and booklets. This iniquitous bill takes advantage of the popular demand for a parcel post by doubling and trebling the rates of postage on all pamphlets, books, seeds, plants and bulbs.

At present, as for many years past, catalogues, books, circulars, form letters and other printed matter, packages



A. Bachelot.

Representing Davy, of Arpajon, France.

of seeds, plants and bulbs are mailed as third-class matter at one cent for each two ounces or fraction thereof. Under the proposed Bourne parcel post bill they would pay one cent per ounce, or fraction thereof, up to four ounces, just double the rate now charged.

On packages weighing more than four ounces the rates vary according to distance carried. A catalogue weighing five or six ounces now requires three cents postage, but the lowest rate at which this catalogue could be mailed under the proposed law would be five cents for local, city or rural delivery only. It would cost six cents per copy within the fifty-mile zone, seven cents within the two hundred-mile zone, eight cents within the five hundred-mile zone, eleven cents within the

thousand-mile zone and twelve cents within the two thousand-mile zone, or just four times the present cost.

The average distance of sending catalogues is between five hundred and one thousand miles. An edition of one hundred thousand catalogues weighing five or six ounces each which now requires \$3,000 for postage, would, under the proposed law, cost \$11,000 to mail, an increase of \$8,000. Can any business stand this?

According to present rates catalogues and pamphlets in lots of two thousand or more may be sent without affixing stamps by paying the amount of postage in money. The new bill will do away with this convenience except when the individual pamphlets weigh less than four ounces each.

NOW FOR ACTION.

Every man interested in any branch of the seed or book business, printing, or ink making, advertising, or publishing, should personally and vigorously oppose this bill now. Write or telegraph at once to your senators and representatives in congress protesting against its passage and demanding their active opposition to this most vicious bill. Have every one of your workmen write. Have every customer of yours write. These letters will be effective—if you get them off now. But get your protest off today. And your workmen's protests. And your customers' protests. And get your newspapers interested.

Sincerely yours,

Committee on postal laws of the American Seed Trade Association:

W. ATLEE BURPEE, Philadelphia, Chairman.

J. C. VAUGHAN, Chicago, Vice-Chairman.

E. C. DUNGAN, Philadelphia, Pa.

W. F. THERKILDSON, Painesville, O.

C. C. MASSIE, Minneapolis, Minn.

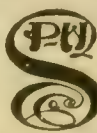
Davy's Representative Here.

A. Bachelot, representative of the well known house of Davy, Arpajon, Seine-et-Oise, France, who specializes in Paris market gardeners' vegetables and choice flower seeds, arrived in New York from France on the Oceanic. He states that when he left home the crops were looking pretty well. Carrots were in good condition, he says, but beets will be scarce, as the plantings have suffered from the dry weather in the spring. Cabbage will be very short. Mr. Davy has been very lucky with his crop of radishes, which matured under very good conditions. All the other vegetables, Mr. Bachelot says, look good. Mr. Bachelot's mailing address is in care of the American Express Co., 65 Broadway, New York.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

**VICK QUALITY
SEEDS
PLANTS
BULBS**

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS

Seedsman,
Rochester, N. Y.

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building. PHILADELPHIA, PA.

Oklahoma Seed Growers' Co.

Contract Growers of
Watermelon and Muskmelon Seeds
For the Wholesale Trade only

Enid, - - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

J. Bolgiano & Son

Wholesale Field and Garden Seeds.
Established 1818. Write for our low prices.
Light, Pratt and
Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

Godfrey Callas

2½-inch, strong.....\$4.00 per 100; \$35.00 per 1000
Cash with order from unknown correspondents.

PATTEN & CO.,
Tewksbury, Mass.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

**Henry Fish Seed Co.
Bean Growers**

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.
Mention the American Florist when writing

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY,
ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE,
and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES,
VERBENAS, ZINNIAS and LOBELIAS.

ADDRESS DIRECT

DAVY, - Arpajon (S&O), France

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

**Lily of the Valley from Cold Storage
Order Now**

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
COSMOS and other Flower Seeds.

**H. WREDE,
LUNEBURG, GERMANY
PANSY SEED**

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed...25c
1 oz. \$2.25

Price list on application. Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London market
For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale Farm. **Bristol, Pa.**

Ca'ifornia CALLA Bulbs

Place your order in time to secure your wants
in this stock.

Callas are still scarce and the quantity is limited.
Write for prices.

Write for prices on Dutch Bulbs.

M. M. CARROLL, Norwood (Cinti.), O.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100...\$13.00
" Rubrum, 9 in.-11 in. per 100... 9.00
" Melpomene, 9 in.-11 in. per 100... 9.50
Tuberose, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

CHRYSANTHEMUMS

In order to make room, we offer the following first class stock of Chrysanthemums at the following prices:

Bonnafon
Enguehard
Balfour
Halliday

Pacific Supreme
Byron
Poehlmann
Pockett's Crimson

Intensiv
Touset
Amorita
Crocus

Linwood Hall, Yellow Eaton, White Eaton and Golden Chadwick.
From Soil or Sand, \$1.50 per 100; \$12.50 per 1000.

Intensiv, Enguehard, Linwood Hall, Pockett's Crimson, Crocus,
Touset and Gloria.

**From Soil or Sand,
\$1.25 per 100; \$10.00 per 1000.**

From pots, \$2.00 per 100; \$15.00 per 1000.

J. D. THOMPSON CARNATION CO., **Carnation Specialists,** **Joliet, Ill.**

POINSETTIAS

Extra strong 2½-in. pot plants.

Shipped in paper pots, \$6.00 per 100; \$50.00 per 1000.

CHINESE PRIMROSES

Very best strain, 2½-in. pots, \$3 per 100, \$25 per 1000.

Asparagus Plumosus, for planting out, extra heavy 3-in., \$5.00 per 100; \$55.00 per 1000. 500 at 1000 rate.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

Petris Wimsetti
Petris Wilson
or Nobilis
Petris Mayli
Petris Hastata
Petris Magnifica
Petris Serrulata

Petris Adiantoides
Petris Wimsetti Multiceps
Petris Serrulata Variegata
Cristata
Petris Cretica Albo Lineata
Cyrtomium Falcatum
Aspidium Tsussimense

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

McHUTCHISON & CO.

17 Murray Street, NEW YORK.

Grafted White Killarney

3½ and 4-inch pots, choice young stock ready to plant

\$10 00 per 100

BASSETT & WASHBURN

Office
131 N. Wabash Av.
Chicago, Ill.

Greenhouses
Hinsdale,
Ill.

Field-Grown Carnations

Limestone land. No stem rot.

10,000 R. P. Enchantress, 7,000 Enchantress
3,000 Dorothy Gordon, 1,000 Victory,
\$6.00 per 100; \$55.00 per 1000.

2,000 White Wonder, 300 Gloriosa,

\$8.00 per 100; \$75.00 per 1000.

6,000 White Enchantress,

\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.

W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio



"The Kenilworth Strain" of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention.

1912 SEEDS NOW READY

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435

Pansies in Separate Colors.

1000 seeds
Giant Adonis, beautiful light blue.....25c
Giant Emperor William, ultramarine blue.....25c
Giant King of the Blacks, coal black.....25c
Giant Lord Beaconsfield, violet shading to white.....25c
Giant Golden Queen, yellow.....25c
Giant Golden Yellow, with dark center.....25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors.....25c
Giant White, very fine.....25c
Giant White, with large violet center.....25c
Giant Red, a fine mixture of red shades.....25c
Giant Royal Purple, fine large flower.....25c
Giant Orchid Flowering, rare shades.....25c
Giant Bronze and Copper Shades.....25c
Giant Light Blue, delicate shades of blue.....25c

2000 seeds, 5 c; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Giant Dark Blue, deep blue shades.....25c

Giant Zebra Mixed Shades, striped.....25c

The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Mention the American Florist when writing

Extra Fine, Healthy Stock

FIELD GROWN CARNATIONS

White and pink, enchantress and white perfection, \$6.00 per hundred; \$55.00 thousand. Victory, Beacon, Sangamon, Winsor & Lawson, \$5.00 per hundred, \$45.00 per thousand. Cash with order.

SAVANNA GREENHOUSE CO.

SAVANNA, ILL.

A. N. Pierson, Inc.

Wholesale Florists
CROMWELL, - CONN.



For Sale

Immediate delivery, 500 Brides, 250 Maids, 250 Killarney and 100 Richmond roses in 4 inch pots.

Daniel E. Gorman,
Williamsport, Pa.

Paper Whites Grandiflora

Per 1000
Fancy (1250 bulbs to case).....\$ 8 50
Star Brand (1000 bulbs to case) 11.00

Freesias True Purity

Mammoth, ¾-in. and up.....\$25.00
Extra Size, ½ to ¾ in.....20.00
First Size, ¾ to 1½ in.....17.50

Vaughan's White Seedling

Pure white Per 100 Per 1000
long stem variety.....\$2 00 \$15.00

Lilium Harrisii

Per 1000
5-7-inch (400 bulbs to case).....\$35.00
6-7 inch (335 bulbs to case).....55.00

Send in Your Supply Orders, Moss and Fertilizers orders to go Along and Save Freight.

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Mention the American Florist when writing



Type of
Giant Vaughan's
Pansies.

VAUGHAN'S "GIANT MIXTURE."

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Casier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

"International Mixture."

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ¼ oz., \$5.00; oz., \$10.00.

"Cut Flower Mixture."

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00; oz., \$4.00.

GIANT PANSIES—Named Sorts.

	Trade Pkt.	½ oz.	Oz.
Masterpiece, new Giant curled	\$0.25	\$0.60	\$4.00
Yellow, immense flowers with dark eye	.10	.20	1.00
White, very large, with violet eye	.10	.20	1.00
Beacon field, light lavender and deep purple	.10	.20	1.00

CALCEOLARIA.

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

CINERARIA.

Vaughan's Columbian Mixture. Made up by ourselves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

PRIMULA.

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

31-33 W. Randolph St.,
CHI. AGO.

VAUGHAN'S SEED STORE,

25 Barclay St.
NEW YORK.

	Trade Pkt.	½ oz.	Oz.
Golden Queen, clear golden yellow	\$0.10	\$0.20	\$1.30
Mme. Perret, lovely shades of pink and rose	.10	.25	1.50
Aurora, pure white, without blotches	.10	.20	1.00
Black, large true black	.10	.20	1.00

Asparagus Hatcherii.

The New Variety.

Our trials of this at Western Springs justify us in endorsing it as the coming decorative plant. Our prices for the new crop seed

100 Seeds.....\$1.50 500 Seeds.....\$ 5.25

250 Seeds.....2.85 1000 Seeds.....10.00

English Giants.

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

German Giant's.

FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.

EXTRA CHOICE MIXED—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

Orchid Giants.

FIVE NAMED SORTS.—Prices: 100 seeds, 85c. 1000 seeds, \$7.00.

GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture. 100 seeds 80c; 1000 seeds, \$6.50.

Vaughan's
Pansy
Seed
for Florists
Has Held
First
Place
in the
Trade
for over
20
Years

New Seed
Now Arriving.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Asparagus Plumosus, 2½ inch pots,
\$3.00 per 100.

Asparagus Sprenger, 2½ inch pots,
\$2.00 per 100.

Stevias, tall and variegated, 2 inch
pots, \$2.00 per 100.

Ferns, Scotii and Whitmani, 4 inch
pots, \$2.00 per dozen.

Clematis Paniculata, strong plants,
4½ inch pots, \$10.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins.
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vince Var., 2-in., 2c.
Asparagus Sprenger, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the American Florist when writing.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

DAHLIAS

The best New and Standard varieties
Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustonik, Cleveland, O., Treasurer.

Tomato Blight.

This year there are numerous complaints in regard to tomato blight, which is earlier in season than usual and more destructive. We believe the June frost is to blame, as over a wide area we had a frost on the eighth of the month. While in many localities little actual damage was done, this sudden drop in temperature to close to freezing has permanently stunted many fields and subjected them to blight. We have produced blight in hotbeds in April by exposing a thrifty frame of seedlings to sudden cold by accident or neglect. We also find that while the regular blight as it travels in August is readily prevented or controlled by spraying with Bordeaux, this post-blight is more pernicious and destructive. We have seen this blight creep up on the main stem and gradually kill the plant regardless of spraying. Blight being contagious, we may not be able to cure the sick plants, but we may save the healthy ones by timely and thorough spraying. In our fields the damage from cold was very uneven, always the depressions or low places faring worst. We have a patch of egg plants which were set out the evening preceding the frost. The land is rolling and no damage could then be seen. But today the higher parts are easily in the lead, the plants being four times as large, while otherwise the lower places with better ground would be in the lead. This damage to plants often is slow to appear and may assume various aspects, such as blight, stunted plants, or deformed fruit.

MARKETMAN.

A Giant Tomato.

The Agricultural Gazette for June 17, 1912, states that a New Zealand grower has raised a seedling tomato which grows to great size and produces fruit of perfect flavor which weighs one and one-half pounds, and that plants of this variety are to be placed on the market this year. We are accustomed to read of marvelously fine varieties of various kinds which have been raised by transatlantic hybridists, and it is refreshing to know that the Antipodes is producing competitors, but we are afraid this latest novelty will not be a commercial success. A few years ago there was a limited demand at the leading fruiterers' for large tomatoes, but lately the demand has been for tomatoes of a size which will scale four or five to the pound.—London Gardeners' Chronicle.

PHILADELPHIA, PA.—The Lord & Burnham Co. has the contract for a greenhouse for Geo. I. Bodine, of Hampton avenue.

HAVERHILL, MASS.—W. F. Eaton, proprietor of the Haverhill Rose Conservatory, has completed the erection of a second greenhouse, 35x150 feet.

Railway Gardening Association.

The sixth annual meeting of the Railway Gardening Association, to be held in Roanoke, Va., August 13-16, promises to draw well from the entire country. The program is interesting and complete and well worth the time and expense of a trip to the Virginia city. The headquarters of the association will be in the Hotel Roanoke, but arrangements have been made with the other hosteleries, all of which are within a radius of three blocks, to provide for such as cannot find accommodation at this place. The officers of the association are: Patrick Foy, president; F. W. Vail, vice-president; J. S. Butterfield, secretary-treasurer; Geo. B. Moulder, R. W. Hutchison and R. J. Rice, executive committee.

Papers will be read on the following subjects at the Roanoke meeting: "Good Fellowship and How Best It Can Be Maintained," by Geo. B. Moulder; "Insect Pests on Trees and Shrubs and Remedy for Same," by E. F. A. Reinsch; "Are Live Snow Breaks More Economical Than Lumber and Which Should They Be Composed Of?" by J. E. Smith; "Which Gives the Best Results, the Theoretical or Practical Railway Gardener?" by J. E. Byrne; "Should Railways Establish a Landscape Department?" by N. S. Dunlop; "The Propagation by Seed and Cuttings of Nursery Stock," by John Gipner; "How Do Railway Gardeners Compare Mentally, Physically and Morally With Men of Other Professions?" by E. A. Richardson; "What Relationship Should Exist Between the Agricultural and Industrial Depart-

ments of Railways and the Railroad Landscape Gardener?" by Dr. E. A. Schubert; "Duties of a Railway Gardener," by C. H. Tritschler; "To What Extent Can Aquatic or Water Gardening Be Carried on by the Railway Gardener?" by V. Wickles; "The Construction and Maintenance of Driveways Approaching Railway Stations," by C. J. Andrews; "The Best Trees for Railway Parks," by J. K. Wingert. Auto trips through the principal streets and to the nearby points of interest will be made Wednesday, August 14. The next day there will be a sight-seeing trip over the Shenandoah Valley division of the Norfolk & Western railway, with stops at Natural Bridge and Luray Caverns. The last day, Friday, August 16, the visitors, according to the programme, are "free to do as they please."

SURPLUS ROSE STOCK

TO CLOSE OUT.

2,000 Lady Hillingdons at.....8c
500 Radiance at.....4c

L.B. Coddington, Murray Hill, N. J.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1767.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT FANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality. I ALSO GROW LARGELY ON CONTRACT.

HYDRANGEAS For July and August Flowering.

We have a large stock of very fine plants, well set with buds, which will show color early in July, and will be in perfection during July and August—the months when they are most in demand for summer decoration at watering places, etc. Our stock is large, so that we can supply plants in carload lots, if wanted. Plants in ordinary butter tubs, \$2.00 and \$3.00 each; if wanted in new cedar tubs, painted green, with iron handles, \$1.00 each additional. When ordering, state whether wanted in butter tubs or new cedar tubs. Extra large specimens in half barrels, \$5.00 and \$7.50 each.

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:

Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 each. **Glazra**, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.

Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.

Viridisima, 10-in. pots, \$2.00 to \$3.00 each.

Magnifica, **Muscoda**, **Elegantissima Compacta**, 3 1/2-in. pots, 25c each.

Glazra, **Viridisima**, **Bostoniensis**, 3 1/2-in. pots, 15c each.

Small Ferns for Fern Fans, assorted varieties, 2 1/2-in., \$3.50 per hundred.

Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

Cold Storage Lillium Giganteum.

7-9 in. bulbs; case lots of 300.

Asparagus Plumosus Nanus, 2 1/4-in. pots, \$4.00 per 100

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

FIELD GROWN CARNATIONS

Enchantress, Rose Pink, Victory,
White Enchantress, White Per-
fection, White House,
Lawson, Winsor
and Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

Beacon and Mrs. C. W. Ward.
\$8.00 per 100; \$75.00 per 1,000.

White Wonder, Gloriosa, Princess
Charming.

\$10.00 per 100; \$90.00 per 1,000.

Brooklyn.

\$12.00 per 100; \$100.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

ROSES

Standards, Dwarfs and
Climbers

All the leading and up-to-date
varieties, in strong, field grown
plants, grown in large quantities
for the export trade. Please send
along list of your requirements
to us, and we will quote special
prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Bay Trees and Boxwood.

BOXWOOD.

Standard.	Each	Pair
18-26 in. stem, 18 in. crown.....	\$3.00	\$5.00
Bush.	Each	Doz.
12 in.....	\$0.35	\$3.60
15 in.....	.40	4.50
		30.00

Ampelopsis Veitchii (Japan or Boston Ivy).
Each Doz. 100

4-inch, pot grown.....\$0.30 \$3.00 \$20.00

VAUGHAN'S SEED STORE,
31 W. Randolph St., CHICAGO.

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD-OHIO.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

ARAUCARIAS OUR SPECIALTY



Araucaria Excelsa,
April, 1911, importation
raised from top
cuttings, 6-7 in. pots, 4
to 5 years old, 5, 6 and
7 tiers, 25, 28, 30, 35, 40
in. high. 75c. \$1.00, \$1.25,
\$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa
Glaucia and Robusta
Compacta, April, 1911.
importation, 6-7 in.
pots, fine bushy plants,
\$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa,
new importation, ar-
rived per steamer Lap-
land, in fine condition.

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4
and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c,
50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches
high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches
high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches
high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches
high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or
made up of 3 plants, 26 to 28 inches high, \$1.00,
\$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3
plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Belmoreana, 8-in. pots, made up of 4
plants, \$2.00. A big bargain.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in.
high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.
Kentia Forsteriana, 7-in. pots, made up, one large
size in center, three smaller ones around, \$2.00
each.

Cocos Weddelliana Palms, single, 3-in. pots, 15c,
18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in.,
20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Aspidistras, variegated, 6-in. pots, 15c per leaf;
green, 6-in. pots, 1c per leaf. Plants have from
5 good leaves upward to 10 leaves.

Corphea Australis Palms, 5-in. pots, 20 in. high, 35c.

Ficus Elastic, Belgium or American stock, 5-5½-
in., 30c, 35c to 40c; 6-in., 50c; 7 in., 75c.

Shasta Daisies, best white large-flowering hardy
daisy, 2½-in., \$5.00 per 100.

Asters 5 separate colors, 2½-in., 3c; Crego, white,
pink and rose, 2½-in. pots, \$3.00 per 100.

Begonias Gloire de Lorraine and **Lonsdale**, pink,
large 4-in., 30c to 35c; **Glory of Cincinnati**, 4-in.,
40c to 45c.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c;
7-in., 75c.

Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to
6 in., 40c to 50c; 7-in., 75c.

Boston, 8 in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in.,
40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now
full of leaves; 8-9 in. in diameter, only 35c (cheap
at 50c).

We have a big assortment of 2½-in. **Dish Ferns**,
now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼-in. pots.

1,000 My Maryland, 2¼-in. pots.

2,000 Richmond, 2¼-in. pots.

1,700 White Killarney, 2¼-in. pots.

1,500 Perles, 2¼-in. pots.

The above OWN ROOT stock we offer for immediate delivery
at \$5.00 per 100.

RUSH YOUR ORDERS.

J. L. DILLON,

Bloomsburg, Pa.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of
Whitmani. A better commercial fern; 2½-in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass

Mention the American Florist when writing

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume,
Golden Heart, Boston Market, Giant Pascal and
Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00
per 1000; \$8.50 per 10000. Grand Rapids Lettuce,
\$1.00 per 1000.

Asters, Early and Late Branching, all colors
separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and **O. Marshallianum**.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN, N. Y.

ASTERS.

Sample's Branching, best strain in white,
pink and purple, fine plants from field.
\$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100.
\$14.00 per 1000. **Primulas**, Obconica and Chinese
strong 2½-in., \$2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

THE International Apple Shippers' Association will hold a convention at the Hotel Sherman, Chicago, August 7.

PHILADELPHIA, PA.—Andrew P. Irwin has sold the Logan Nurseries at a price said to exceed \$90,000. The purchaser's name has not been made public.

D. S. LAKE and son Ralph, of Shendam, Ia., sailed from New York July 27 on the SS. Olympic and will remain in France till about September 1. Geo. E. Dickinson, of New York, will accompany them.

Nursery Stock in the Mails.

The United States Post Office Department makes the following announcement in the consular and trade reports of July 20: "Paragraph 8, section 496, Postal Laws and Regulations, is hereby amended to read as follows: Nursery stock, including florists' stock, trees, shrubs, plants, vines, cuttings, grafts, scions, buds, bulbs, and roots (which may carry injurious insects), may be admitted to the mails only when accompanied by a certificate from a State or Government inspector to the effect that the nursery from which said stock is shipped has, within a year, been inspected and found free from injurious insects."

Apple Orchards Sold.

We are just in receipt of the announcement of the sale of the Blair Orchards in Southern Illinois. Some ten years ago when Professor J. C. Blair, of Urbana, Ill., was striving hard to upbuild the commercial orchard interests of southern Illinois he conceived the idea of himself engaging in the commercial orchard work, so as to be able to put into concrete form his methods and ideas with regard to the improvement of the orchard business as then carried on in the southern third of the state. In order to do this he had the hearty co-operation and financial backing of the Ennis estate. Orchards were bought at Kinmundy and Salem in Marion County and at Calhoun in Richland County. About five hundred acres of farmland, including two hundred and eighty acres of bearing orchard, have been operated as the "Blair Orchards" under the personal supervision of Mr. Blair. The yields of these, even under adverse climatic conditions, have steadily increased, until this year there will be harvested about 22,000 barrels of excellent fruit. Feeling that he has fully demonstrated what he set out to show, namely, that commercial orcharding in southern Illinois can be made extremely profitable, and wishing to give his entire thought and attention to the work of his office as state horticulturist, he has concluded to withdraw from active participation in the commercial enterprise. Mr. Blair has disposed of his interest in the "Blair Orchards" to his former business associate, Wm. S. Ennis, of Chicago.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISHKILL New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junction, N. J.

To Exchange

Choice Coniferous Evergreens for Palms, Ferns, Clematis Paniculata seedlings, Hybrid Tea Roses, Chrysanthemums. What have you?

The Greening Nursery Co., Monroe, Mich.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

German Iris

San Souci, (Yellow) \$1.50 a 100; \$10.00 a 1000.

Also other kinds. Order now.
September delivery.

Alta Vista Nursery

Davenport, Iowa.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.
Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

THE

East End Nurseries Co.

ROSE SPECIALISTS

Boskoop, Holland,

Beg to inform that their Annual Wholesale Rose Catalogue, including the newest and most up-to-date varieties, is now ready, and will be sent free to any address on receipt of postcard.

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000

Primula obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors. \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Cineraria Hybrida, \$3.00 per 100; \$25.00 per 1000.

Poinsettia, immediate delivery, \$5.00 per 100; \$40.00 per 1000.

Araucaria Excelsa—Fine Stock. 3 tiers, 10 to 12 inches high, 45c.

3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 14 to 16 inches high, 75c.

Selaginella Emilliana, 2½ inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choice Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, etc.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Dreer's Convention Month Specials



EXCEPTIONAL VALUES IN ARAUCARIAS
in all varieties in the following sizes:

Excelsa.					Each
4-inch pots,	5 to 6 inches high,	2 tiers.....			\$0 30
5 " "	8 to 10 " "	3 "			40
5 " "	10 to 12 " "	3 "			60
6 " "	12 to 15 " "	3 to 4 "			75
6 " "	14 to 16 " "	4 "			1 00

Excelsa Glauca.					
5-inch pots,	8 inches high,	2 tiers.....			75
6 " "	10 to 12 " "	3 "			1 00
7 " "	13 to 15 " "	4 "			1 50

Excelsa Robusta Compacta.					
5-inch pots,	8 to 10 inches high,	2 tiers.....			75
6 " "	10 to 12 " "	2 "			1 00
6 " "	12 to 14 " "	3 "			1 25
7 " "	14 to 16 " "	3 "			1 50

Excelsa Plumosa.					
A comparatively scarce form, almost as compact in habit as Robusta Compacta and of a richer, deeper green color; very desirable.					
5-inch pots,	8 inches high,	2 to 3 tiers.....			65
6 " "	10 to 12 " "	3 "			75
6 " "	13 to 15 " "	3 to 4 "			1 00

Fern Flats These flats contain about two hundred plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price: \$2.00 per flat in any one of the following varieties: *Aspidium Tsussimedse*, *Cyrtomium Falcatum*, *Cyrtomium Fortunei*, *Polystichum Setosum*, *Pteris Adiantoides*, *Pteris Alba Lineata*, *Pteris Magnifica*, *Pteris Maj. s or Ouvrardi*, *Pteris Wimsetti Multiceps*, *Pteris Wilsoni*.

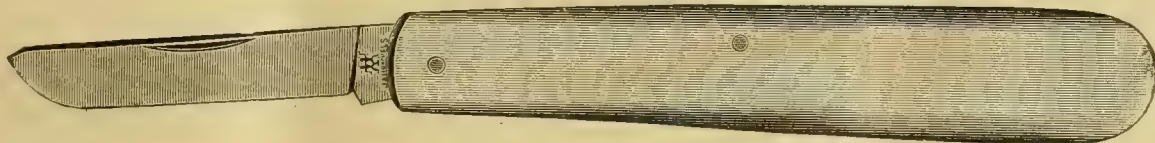
Samples of the above, as well as a complete line of other Dreer Specials, will be shown at the Chicago Convention, and our staff of salesmen will be present to give full information regarding same.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

THE ABOVE PRICES INTENDED FOR THE TRADE ONLY.

FREE

This Budding Knife



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,
440 So. Dearborn Street, CHICAGO.

FREE

Index to Advertisers.

Advance Co The. 102	107	Florists' Hail Assn. 102	107
Alpha Floral Co. 85		Florists Tel. Delv. 86	
Alta Vista Nursery 96		Foley Mfg Co. 1V	
American Importing Co. 98		Ford M C. 83	
American Spaw Co 94		Fottler, Fiske, 11	
Amling E C Co. 79		Rawson Co. 88	
Anderson S A. 85		Freeman Mrs J B. 88	
Andorra Nurseries 96		Freeman & Sons. 104	
Angermueller G H. 81		Froment H E. 83	
Apbine Mfg Co. 104		Frost Chas. 92	
Aschmann Godfrey 95		Galvin Thos F. 87	
Atlanta Floral Co. 87		Garland G M. 108	
Badgley Reidel & Meyer, Inc. 83		Gasser J M Co. 87	
Barrows HH & Son. 95		Geny Bros. 88	
Bassett & Washburn 72	92	Giblin & Co. 104	
Bassett & Weller. 93		Goodsell P H. 82	
Bayersdorfer H. 98		Good & Reese Co. I	
Beaven E A. 84		Gorham & Chapline 98	
Berning H G. 81		Gorman Danl E. 92	
Berterman Bros Co. 86		Grand Rapids Flower Co. 87	
Bide & Sons S. 95		Greening Nursery 96	
Bobbink & Atkins. 96		Growers Cut Flower Co. 83	
Boddington A T. 92		Gude Bros. 86	
Bodger J & Sons Co. 91		Gunther Bros. 83	
Boland J B Co. 85		Habermann Chas. 88	
Boldt-Lundy Flower Shop, The. 88		Hatcher, Florist. 88	
Bolgiano J & Sons. 91		Haven Seed Co The 91	
Bowe M A. 87		Heacock Jos Co. 89	
Boynton Furnace Co 107		Heinl John & Son. 85	
Braslan Seed Grow Co. 90		Henderson A & Co. 89	
Brecht Co The. IV		Herr Albert M. 89	
Breitmeyer's J Sons. 86		Herrmann A. 103	
Bruns H N. 91		Hess & Swoboda. 88	
Buckbee H W. 88		Hews A H & Co. 111	
Budlong J A. 70	89	Hilfinger Bros. 111	
Burnett Bros. 11		Hines E Lumber Co 108	
Burpee W A & Co. 11		Hitchings & Co. 107	
Caldwell the Woodsman Co. 84		Hoerber Bros. 79	
Camp Conduit Co. 111		Hoffman Flo Artist. 87	
Carroll M M. 91		Hoffmeister Flo Co. 80	
Chicago Carn Co. 1		Holm & Olson. 86	
Chicago Flower Growers Assn. 77		Holton & Hunkel Co 81	
Chicago House Wrecking Co. 108		Home Cor School. 93	
Clark E B Seed Co. 11		Hooker H M Co. 104	
Clark's Sons David. 87		Hunt E H. 79	106
Cleveland Cut Flower Co. 87		Hurt Edgar F. 91	
Coddington L B. 94		Igoe Bros. 98	
Conard & Jones. 95		Illinois Pipe Mfg Co. 104	
Cooke Geo H. 85		International Heater Co. 106	
Cotsonas Geo & Co. 84		Isbell S M & Co. 91	
Cowee W J. 98		Jackson & Perkins. 96	
Coy H C Seed Co. 91		Johnson J Oliver. 91	
Craig Robt Co. 96		Johnson WW & Son 11	
Critchell C E. 81		Jones Percy. 79	
Crump Frank F. 86		Kasting W F Co. 80	
Daniels & Fisher. 87		Keller Geo & Sons. 111	
Dards Chas. 86		Keller J B & Sons. 88	
Deamud J B Co. 79		Kellogg Geo M. 85	
DesPlaines Flor Co. 89		Kennicott Bros. 78	
Detroit Flower Pot Mfg. 111		Kervan Co The. 83	
Dietsch A & Co. IV		Kessler W A. 83	
Diller Caskey & Keen. 108		Kiff Robt. 87	
Dillon J L. 95		King Construction. 107	
Dingee & Conard Co. 95		Kobr A F. 111	
Dorner F & Sons. 89		Kramer I N & Son. 107	
Dreer H A. III 97	107	Kroeschell Bros Co. 103	
Duerr Chas A. 88		Kruchten John. 78	
Dunlop John H. 87		Kuebler Wm. 83	
Eagle Machine Wks East End Nurseries Co. 96		Kuehn C A. 80	
Edwards Folding Box. 98		Kuhl Geo A. 89	
Eisele C. 93		Kyle & Foerster. 79	
Elliott W H. 80		LaCrosse Floral Co. 88	
Emmans Geo M. 93		Lager & Hurrell. 1	
Erne & Klingel. 78		Lange A. 85	
Esperance L Nurs. 96		Landreth Seed Co. 91	
Eyres H G. 87		Lecakes N L & Co. 83	
Fish Henry Seed Co 91		Lederer John. 106	
		Leedle Floral Co. 95	95
		Leonard Seed Co. 91	
		Lockland Lumber Co 108	
		Lord & Burnham Co. 105	
		McCann Co. 80	
		McCallum Co. 80	
		McConnell Alex. 85	
		McCoy L W. 88	
		McCullough's J M Sons Co. 81	
		McHutchinson & Co 92	
		McKellar Chas W. 77	
		McKenna P & Son. 87	
		Manel. 85	
		Mann Otto. 91	
		Martin J G & Co. 106	
		Masur S. 85	
		Matthews Florist. 87	
		May & Co L L. 85	
		Meconi Paul. 83	
		Metropolitan Mat Co 102	
		Mette Henry. 94	
		Meyer John C & Co. 102	
		Michigan Cut Flo Exchange. 84	
		Millang Chas. 83	
		Moninger J C Co. 108	
		Moore Hentz & Nash 83	
		Morehead Mfg Co. 106	
		MtGilead Pottery Co 111	
		Munk Floral Co. 80	
		Murray Samuel. 86	
		Myers Florist. 88	
		Nat Flo B of Trade. 108	
		N Y Cut Flower Ex. 83	
		Niessen Leo Co. 80	
		Oechslein Frank. 92	
		Oklahoma Seed Gro Co. 91	
		Palethorp P R. 111	
		Palmer W J & Son. 86	
		Park Floral Co. 86	
		Patten & Co. 91	
		Peacock Dahlia Fms 96	
		Pedrick Geo & Son. 91	
		Pennock-Meehan Co 83	
		Penn the Florist. 86	
		Peters & Reed Poty 111	
		Pierce F O Co. 105	
		Pierson A N (Inc). 94	
		Pierson FR Co. I 92	
		Pieters & Wheeler Seed Co. 90	
		Pillsbury I L. 98	
		Pittsburg Cut Flo Co. 80	
		Podesta & Baldocchi 87	
		Poehlmann Bros Co 73	
		Pollworth C C Co. II 81	87
		Pulverized Manure Co. 124	
		Quaker City Machine Works. 98	
		Raedlin Basket Co. 84	
		Randall A L Co. 79	
		Rawlings Elmer. 95	
		Ready Reference. 99	
		Randolph & Mc Clements. 107	
		Reed & Keller. 104	
		Regan Ptg House. 98	
		Reinberg Geo. 79	
		Reinberg Peter. 75	
		Rice Bros. 81	
		Richardson W H. 76	
		Robinson J C Seed Co. 11	
		Rock W L Co. 86	
		Rohnert Seed Co. 11	
		Routzahn Seed Co. 91	
		Rusch G & Co. 81	
		Saakes O C. 87	
		Sabrasky Jno F. 92	
		Saltford Flower Shop 88	
		Savanna Greenhouse Co. 92	
		Schiller, the Florist. 88	
		Schillo Adam. 106	
		Schlatter W & Son. 98	
		Schling Max. 88	
		Schmidt J C. 95	
		Schultz Jacob. 86	
		Scott John. 95	
		Seattle Cut Flo Ex. 81	
		Sefton Mfg Co. 84	
		Shaffer Geo C. 87	
		Sheridan W F. 83	
		Situation & Wants. 69	
		Skidelsky S S & Co. 91	
		Smith A W & Co. 87	
		Smith E D & Co. 104	
		Smith Henry. 87	
		Smith P J. 83	
		Smith Wm C. 81	
		Smith W & T Co. I	
		Stanley Herbert. 95	
		Stearns Lumber Co. 102	
		Stoethoff H A Co. 104	
		Storrs & Harrison. 96	
		Superior Machine & Boiler Works. 106	
		Syracuse Pottery Co 111	
		Taylor Steam Trap Co. 105	
		Texas Seed & Flo Co. 85	
		Thompson Car Co. 92	
		Thorburn J M & Co. 11	
		Totty Chas H. 80	95
		Traendly & Schenck. 83	
		Trimble W E Greenhouse Co. 79	
		United Fertilizer. 104	
		Valentine Frank. 85	
		Vaughan A L Co. 76	
		Vaughan's Seed Store I II III 92 93 95	
		Vestals. 88	
		Vick's Sons Jas. 90	
		Vincent R Jr. I 93	
		Wabash R R. 70	
		Wagner Park Cons. 111	
		Walker F A & Co. 88	
		Ward & Co R M. 11	
		Weber F H. 88	
		Weeber & Don. 91	
		Weiland & Risch. 79	
		Welch Bros. 80	
		Westheimer Bros. 11	
		Western Seed & Irrigation Co. 91	
		Wietor Bros. 79	79
		Wilks S Mfg Co. 108	
		Wilson R G. 85	
		Wittbold G Co. 85	
		Wittbold Henry. 88	
		Wood Bros. 96	
		Wolfskill Bros & Morris Goldenson 87	
		Wrede H. 91	
		Yokohama Nurs Co. 11	
		Young A L & Co. 83	
		Young & Nugent. 85	
		Youngs. 88	
		Zech & Mann. 79	



Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA
Send for our new catalogue.

Mention the American Florist when writing

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad
to make our fall purchases.

?? Will You Place Import Orders ??

On first quality *Cycas Leaves*, Genuine Imported *Waterproof Crepe Paper* (trade mark Westfalia), *Gold Leaf Script Letters* and *Words*; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on
Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: :: ILL.

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97. May 17 '98

CALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS..

286 North 9th St.,
BROOKLYN, N. Y

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES

527 Plymouth Place. CHICAGO

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing



SPLIT CARNATIONS

Quickly, easily and
cheaply Mended.
No tools required.

Pillsbury Carnation Staple

Patented 1908.

2000 for \$1.00 postpaid.

I. L. PILLSBURY,
Galesburg, Ill.

Mention the American Florist when writing



No loss if you
mend your
split carnations with
Superior
Carnation
STAPLES
50c per 1000
postpaid.

Wm. Schlatter

& Son,

BEFORE AFTER
422 Main St., Springfield, Mass.



Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

5,000 Ampelopsis Veitchii, 1-year, fine, price later. 4,000 Ampelopsis Englemanni, the hardy rapid growing, tightly clinging variety, 1-year, strong. E. Y. Teas & Son, Centerville, Ind.

Ampelopsis Veitchii, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00—100. \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus Sprenger, 2½-in., heavy, \$3 per 100. Plumosos, 3-in., \$4.50 per 100. Also moss fern (Selaginella) 2½-in., extra fine and bushy, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, from 2½-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus and Sprenger, 2½-in. pots, \$2 per 100, ready. Seedlings ready in August 10th at \$1 per 100. Cash. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus for planting out, 3-in., \$6 per 100; \$55 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago.

Asparagus Sprenger, 2½-in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Haller, Bloomington, Ill.

AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

BAY TREES—Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

Diam.	Height	Planted	Planted in
Crown.	of Stem.	in tub.	Miss'n Plant
Inches.	Inches.	Each.	Box. Each.
18 to 20	24	\$ 4.00	\$ 5.75
24 to 26	36 to 40	6.00	9.00
28 to 30	36 to 40	7.75	10.50
32 to 36	36 to 40	10.00	14.00
38 to 40	36 to 40	11.50	16.00
42 to 44	36 to 40	18.00	20.00
46 to 48	36 to 40	20.00	25.00

Can supply Boxwood in pyramid, bush or standard. State size wanted.

WAGNER PARK CONSERVATORIES,
SIDNEY, OHIO.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

BEGONIAS.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberose, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. O. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cinti.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Canna roots. We will have two million roots, strong divisions, two or more eyes for 1913 delivery. We have grown cannas for twelve years; can supply every established beauty and many "freaks." Now contracting future delivery. State your needs. Advance orders get special prices. ALPHA FLORAL AND NURSERY CO., FRUITDALE, ALA.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.
Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	5.00	45.00
Pink Lawson	5.00	45.00
Winsor	5.00	45.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

CARNATION PLANTS—25,000 fine, clean, healthy field-grown stock, of the following varieties: White Perfection, Taft, Victory, Pink and White Lawson, Pink Enchantress, and Winsor, now ready for shipment at \$6 per 100 or \$50 per 1,000. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Field-grown carnations NOW READY. Enchantress, Rose Pink Enchantress, White Enchantress, White Perfection, Scarlet Glow, O. P. Bassett, Victory, Beacon, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Cash, please. Harry Heintz, West Toledo, Ohio.

Field-grown carnation plants, 200 Enchantress, 200 R. P. Enchantress, 200 White Enchantress, 6c. 200 Sangamo, 100 Victory, 4c. Plants are first-class, ready for shipment Aug. 1. E. R. Griggs, Florist, A. & M. College, Stillwater, Okla.

Carnation plants out of sandy field, short, bushy and healthy stock. White Perfection, Winsor, and Victory, \$40 per 1,000. Pink Enchantress, May Day, \$45 per 1,000. White Enchantress, \$50 per 1,000; 100 at 1,000 rates. Write for prices on large lots. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, White and Pink Enchantress, White Perfection, \$6 per 100; \$55 per 1,000. Victory, Beacon, Sangamo, Winsor, Lawson, \$5 per 100; \$45 per 1,000. Savanna Greenhouse Co., Savanna, Ill.

Carnations, Mrs. C. W. Ward, White Perfection, Winsor, R. P. Enchantress, White Enchantress, Queen, Enchantress, Alma Ward, Beacon, Dorothy Gordon, Bountiful, Victory, Winona, The Leo Niessen Co., 12th and Race Sts., Philadelphia.

Carnations, Washington and Bonfire, \$6 per 100; \$55 per 1,000. Princess Charming, Pink Enchantress, Victory, \$6 per 100; \$50 per 1,000. Lawson, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, Gloriosa, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Field-grown carnation plants, 425 Enchantress, 185 White Enchantress, 555 Sangamo, 50 Lady Bountiful. Good healthy plants at \$5 per 100. Cash, please. Edgar Easterday, Nakomis, Ill.

Good, field-grown White Enchantress Carnation plants, \$7 per 100; \$65 per 1,000. Cash. Otto J. Hembreker, Lincoln, Ill.

Carnations. F. Dörner & Sons Co., La Fayette, Ind.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Field-grown carnation plants, **OUR SPECIALTY**. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums. In order to make room, we offer the following first-class stock of chrysanthemums at the following prices: Bonnafion, Enguehard, Balfour, Halliday, Pockett's Crimson, Pacific Supreme, Byron, Poehlmann, Intensity, Touset, Amorita, from soil or sand, \$1.25 per 100; \$10 per 1,000. Linwood Hall, Yellow Eaton, and White Eaton, from soil or sand, \$1.50 per 100; \$12.50 per 1,000. Intensity, Enguehard, Linwood Hall, Pockett's Crimson, Crocus, Touset, Gloria, from pots, \$2 per 100, \$15 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, rooted cuttings, and soil, all A No. 1 stock. 500 each Smith's Advance and Lynwood Hall, \$2.50 per 100. 5,000 Rosette, 1,000 each Touset, Halliday, Monrovia, Donatella and Pacific Supreme; 500 each Y. Jones, Mrs. Hurley and Baby, \$2 per 100; \$15 per 1,000. William Swayne, Kennett Square, Pa.

Chrysanthemums, pot plants only. \$2 per 100; \$18 per 1,000. Act, Frost, C. Touset, White Cloud, Kaib Queen, Mile. Des Jonis, Florence Pullman, Yellow, Halliday, Col. Appleton, Pink, Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Surplus Mum stock, good healthy plants in 2-in. pots in the following varieties: White and Pink Ivory, Maud Denn, Jones, Timothy Eaton, and Golden Chadwick, at \$15 per 1,000. Cash with order. W. F. Lauch, New Galilee, Pa.

Chrysanthemums, Chas. Razer, Nagoya, J. Nonnin, strong rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

CINERARIAS.

Cineraria, 2-in., frame grown, Dwarf Gold Medal Strain, tall and Stellata, 2½c; Dwarf double, 3c. J. L. Schiller, Toledo, O.

Cineraria Hyb., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis, strong, blue and red, \$1.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

DAHLIAS.

Dahlia, new and standard varieties. Bassett & Weller, Hammonton, N. J.

Dahlia, leading sorts. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Fern flats, Aspidium, taussimensae, Cytomium falcatum, C. Fortunei, Polystichum setosum, Pteris adiantoides, P. alba lineata, P. magnifica, P. majus or Ouvrardi, P. Wimsseti multiceps, P. Wilsoni, flats contain about 200 plants each, one variety in a flat, \$2 per flat. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman's Compacta, 2½-in., \$6 per 100; \$30 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Bostons, 2½-in., \$5 per 100; 500 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Boston ferns, 8 to 12-in. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, Nutt, Poitevine, Ricard, Doyle, Viaud, La Favorite, ivy, rose, 2½-in., \$2 per 100; rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, Nutt, Buchner, Viaud, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

GERANIUMS, all varieties. Large plants, \$8 per 100. M. C. Gunterberg, 82-86 E. Randolph St., Chicago, Ill.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Salleri, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

Greens, buckleyberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

German iris, Sans Souci, \$1.50 per 100; \$10 per 1,000. Alta Vista Nursery, Davenport, Iowa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, Ohio.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangeas. For sizes and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangea Otaksa, 3-in., 2 to 4 shoots, \$8 per 100; \$75 per 1,000. Erie Floral Co., Erie, Pa.

LILY OF THE VALLEY.

To Import

Lily of the Valley, London market. \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 83 Barclay St., New York.

From Storage

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dbonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Arbor-Vita, excellent stock. 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock. Ilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Relgate, England.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Roebelenii, 12-in. pots, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cycas stems. Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS

POINSETTIAS OUR SPECIALTY.

Headquarters of the West.

	Per 100	Per 1,000
2½-in., strong plants.....	\$5.00	\$40.00
2½-in., extra strong plants.....	6.00	50.00
3-in., strong plants.....	7.50	

All top cuttings. Ready middle of July. Orders booked now. We practice particular packing.

ROBER & RADKE,

Maywood, Illinois.

POINSETTIAS, rooted top cuttings, true type, 2½-in. pots, for July, August and September delivery at \$8 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., shipped in paper pots, \$10 per 100; \$50 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Poinsettias, 2½-in., now ready, \$5 per 100. Cash, please. Harry Helm, West Toledo, O.

Poinsettias, \$5 per 100; \$40 per 1,000. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primulas, 2-in., cool grown, stocky plants, main specialty for many years. OBCONICA, 200,000 of them, the finest stock ever sent out; true HONSDORFER and LATTMANN strains, positively best in existence. GRANDIFLORA, 10 separate colors, or mixed. GRANDIFLORA FRINGED, 5 separate colors or mixed, 2½c. GIGANTEA, 5 separate colors or mixed, 3c. KEWENSIS, yellow, 3c. CHINENSIS, 11 separate colors or mixed, 2½c. J. L. Schiller, Toledo, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Primula Chinensis, strong, bushy plants, frame grown. Mostly red and pink, 2-in., \$2 per 100. Primula obconica grandiflora and fringed, Ronderfer strain in 15 separate colors, ready Aug. 2-in., \$2 per 100. Gig. p., \$2.50 per 100. Cash. C. K. Wisner, 2476 Cherry St., Toledo, Ohio.

Primulas, Chinese, Forbesii, obconica grandiflora, alba and rosea, \$2 per 100, ready Aug. 1. Obconica gigantea, Kermesina, \$3 per 100. Malacoides, ready July 20, \$2 per 100. Cash. Jos. H. Cunningham, Delaware, O.

Primulas, sinensis, \$3 per 100; \$25 per 1,000. Obconica gigantea (Arendsii), \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Storrs & Harrison Co., Painesville, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2½-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
American Beauty, 2½-in.	4.00	40.00
Jardine, 2½-in.	3.00	25.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

Roses, strong, clean stock. Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3½-in. pots, at \$6 per 100. Pink and White Killarney, grafter, at \$12 per 100. P. K. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

BENCH ROSES CHEAP. 1,000 healthy 3-year bench roses; 250 Brides, 250 Maids, 200 P. Killarney, 200 Golden Gate, 100 M. A. Chateaufort, all or part at 4c each. Archibald Floral Co., Sedalia, Mo.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, 500 Bride, 250 Maids, 250 Killarney, 100 Richmond, 4-in., cheap. Daniel E. Gorman, Williamsport, Pa.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot; 500 Richmond, \$6 per 100. 1,500 My Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$30 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2½-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, East End Nurseries Co., Boskoop, Holland.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink	\$2.50	\$0.50
Gracillius luniflora, finest red	2.50	.50
Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, glorioles, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per ¼ oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everette B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 2½-in. pots, \$2 per 100; \$18 per 1,000. Samples on request. F. F. Scheel, Shermerville, Ill.

Smilax, strong 2-in. cut back, \$1.75 per 100; \$15 per 1,000. Cash. R. K. Stokesberry, Leontia, Ohio.

Smilax, strong 2-in., 2c; per 1,000, \$18. J. L. Schiller, Toledo, Ohio.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Bull Nose and Chinese Giant Peppers, White Plume, Golden Yellow Self Blanching, Winter Queen and Giant Pascal Celery; good stocky, transplanted plants, 30c per 100. Cash. H. A. Cook, Berlin, Ohio.

VINCAS.

Vinea var., 2-in., 2c. Geo. M. Emmans, Newton, N. Y.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

To exchange, coniferous evergreens for palms, ferns, clematis paniculata seedlings, hybrid tea roses, chrysanthemums. The Greening Nursery Co., Monroe, Mich.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 350 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Iacine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Fertiene, 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Taylor Syphon Circulator. Taylor Steam Specialty Co., 36-38 Jackson St., Battle Creek, Mich.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Shoothoff Co., Mount Vernon, N. Y.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Flower boxes. The Seton Mfg. Co., 1335 W. 35th St., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brechts' Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.

Ambling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

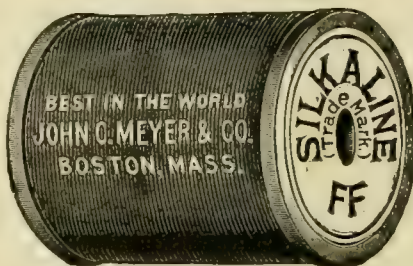
Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

**The Meyer Green Silkline**

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

SEE OUR EXHIBIT

—AT THE—

S. A. F. CONVENTION

IN AUGUST

We will show our new **Big Advance Ventilating Apparatus**, and would be pleased to have you inspect same. It is the best and most practical machine on the market today. Send for catalog.

Prices, Net, F. O. B. Richmond, Ind.

Big Advance Machine, complete as illustrated.....	each, \$10.50
Arms, twistless or elbow, complete.....	each, .25
Hangers, complete.....	each, .08
Shafting Pipe, 1 inch, double strength.....	per foot, .08
Shafting Pipe, 1 inch, single strength.....	per foot, .05
Shafting Pipe, 1 1/4 inch, standard.....	per foot, .06

Patent pipe couplings furnished free with shafting pipe.

THE ADVANCE CO., Richmond, Indiana.



CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Deamud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. E., New York.

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicoff Bros. Co., Chicago.

Kessler, Wm. A., New York.

Krichton John, Chicago.

Kuehn, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Mecont, Paul, New York.

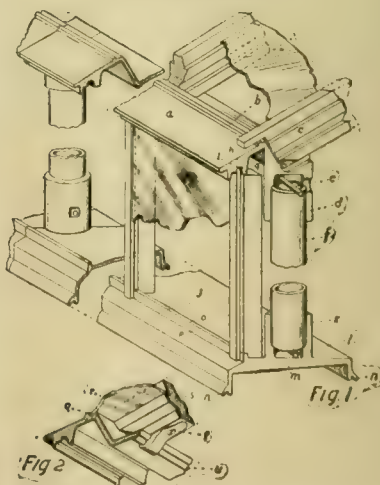
Millang, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Nash, New York.

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on **Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.**

**1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.**

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It



You would say any grower was a blankety blank fool to buy the various parts of an automobile from a dozen different manufacturers and put them together himself, just because he thought he could save ten per cent

He'd have to be just as good an automobile maker as the makers themselves—and if he were, he ought to be in the auto business instead of a grower.

Some growers, however, do buy their greenhouse materials of a dozen different concerns, and as a result have a dozen different kinds of trouble. Our Handy Hand Book is a guide to keep you out of trouble. It is a complete book of greenhouse supplies, covering everything that goes into a greenhouse, (but the glass.) If you haven't one—send for it.



Lord & Burnham Co.

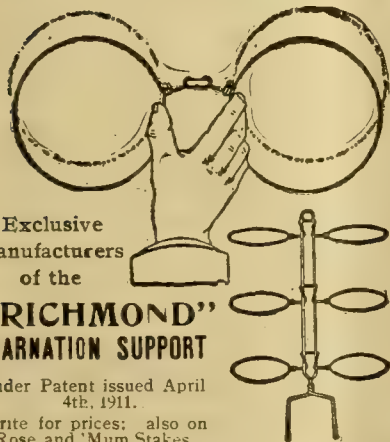
SALES OFFICES:

New York Philadelphia
St. James Bldg. Franklin Bank Bldg.
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

EAGLE MACHINE WORKS
RICHMOND, IND.



Exclusive
manufacturers
of the

"RICHMOND"
CARNATION SUPPORT

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, all colors, Cypas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

KROESCHELL BOILERS
ARE BETTER THAN CAST IRON BOILERS



THE FLORISTS WHO KNOW ALL THE GOOD POINTS OF THE KROESCHELL BOILER
NEVER FOR A MOMENT CONSIDER ANY OTHER KIND.

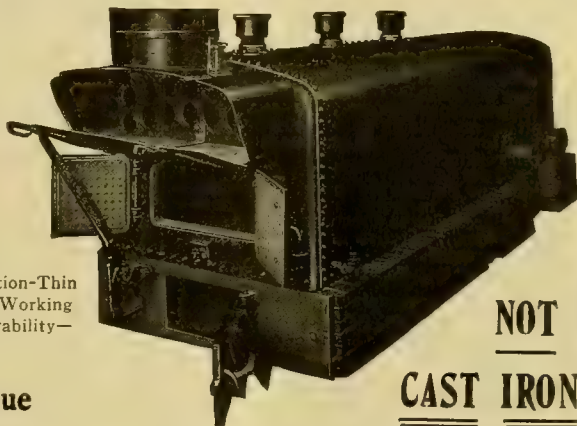
WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), OR

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

The KROESCHELL
BOILER has the
Highest Standard of
HEATING VALUES.

Immense Self-Cleaning
Heating Surface. Longest
Fire Travel—Perfect
Combustion—Free Circulation—Thin
Waterways—Guaranteed Working
Capacities—Safety—Durability—
Efficiency and Economy.



NOT
CAST IRON

Send for Catalogue

**READ WHAT THE USERS SAY ABOUT
KROESCHELL BOILERS**

A Prominent Rose Grower Praises the Kroeschell

I think your boiler is the boss of all boilers.
JEFF DOREMUS, Green Village, N. J.

Heats Canadian Range Easily and Saves Fuel.

I had a flue boiler before I got the Kroeschell, which could hardly heat the glass, although it used more fuel than yours. I also have your Generator, which is giving good satisfaction. I think a Generator would pay for itself in a few weeks.

J. L. HILLBORN, Leamington, Ont.

There is No Better Boiler.

The Kroeschell Boiler works better in every way than the boiler I had before and has given me all the satisfaction I want.

ROBT. HARDIES, Mannheim, Ill.

Kroeschell Boiler, Generator and Heating System Insure Perfect Results

Having promised you a letter as soon as we have passed through a good fair test, I consider it now most timely. We had the thermometer 13 degrees below and we've just gone through a blizzard bad enough for most any season, and am very well pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System.

J. E. MATTHEWSON, Sheboygan, Wis.

Kroeschell Heats Large Office Building.

Enclosed please find another order for No. 9 Kroeschell Boiler. This boiler is for a new office building. In reference to the two No. 3 boilers which you furnished for three buildings last year, will say that we are getting excellent results. The No. 13 is doing duty in a six-story building with 208 radiators and the owner is so well pleased with it that he has ordered a No. 10 Kroeschell for another building which he is erecting, also ordered another No. 11 Kroeschell.

LEEK & CO., Vancouver, B. C.

Heats Up Entire System in 30 Minutes—Kroeschell Boilers are Fine

It only takes 30 minutes from firing to drive the water entirely through my system, a distance of 200 feet. When heavy firing is necessary, I make 180 degrees in the main returns at the boiler. Your boilers are fine.

W. C. SCOVELL, Malta, O.

Get a Kroeschell—You'll Be Pleased.

Will say that the boiler has given me perfect satisfaction and have had no trouble whatever in heating my house during the very cold winter and it is with very great pleasure that I recommend your boiler whenever opportunity occurs.

A. H. KNIGHT, Shrewsbury, Mass.

KROESCHELL BROS. CO.,

452 West Erie Street,
CHICAGO, ILL.

PULVERIZED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

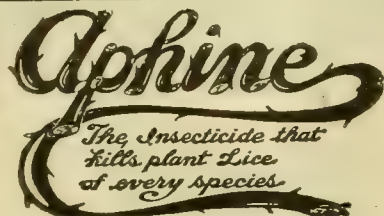


PULVERIZED OR SHREDDED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.
M. C. Ebel, General Manager.

FERTILENE

Especially prepared for the production of lustrous **CHRYSANTHEMUM BLOOMS.**

THE ADVANTAGES of Fertylene over other manure, are: It is clean, has no offensive odor, is soluble and thus easily prepared; is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor and gives accurate results. 1-oz. is sufficient for ten gallons. Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

REED & KELLER,
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and **Novelties**, and are dealers in **Glass-ware, Pottery, Decorative Greens** and all **Florists' Requisites.**

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

D. D. Johnson's Celebrated

EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

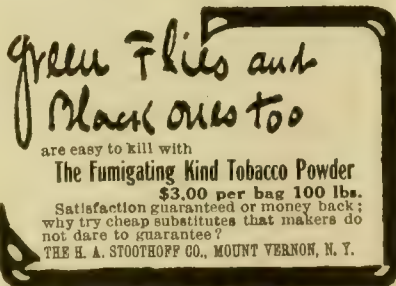
For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.
All rights reserved by

United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.



are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guar-
anteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back
Interstate Tobacco Co.
1397-1399 Ave. A, New York.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Truth About Boilers

Being Number Three of Three Frank Talks

TO PUT it briefly, Talks Numbers One and Two were pointed statements of the points necessary for a boiler to be truly economical. Not the marvelous kind of economy that every boiler man from Florida to Alaska claims for his boiler—but the kind you can see it is logical a boiler should have, and that the Burnham does have. That kind of economy. And now for the conveniences of a boiler—those little things that mean such big things to the one who “rends” it.

Take the smoke box damper, for instance. Who wants to be fumbling around on the back of a boiler to open or shut it? Still that’s the way most boilers are made. The Burnham damper, however, is operated from the front of the boiler, as is every other part.

The clean-out doors should every one be on the front where they will be handy to clean. They will get cleaned then! And the cleaner the flues the more you get out of your coal. Burnham’s clean-out doors are all on the front. A coal door that is a skimpy little affair scarce big enough to “take a scoop” is a profanity provoker. The Burnham has a good, big, generous sized affair that helps to take the cuss out of boiler caring.

The grates, if easy to shake, are liable to be shaken when needed, instead of allowing a bed of dead ashes to clog up the fire pot and

destroy the draft. The Burnham grates are easy shakers. If the grates dump all ashes to the front, it’s less work to take them out. The Burnham is less work.

These are the conveniences you will agree that every convenient boiler should have.

If you are looking for a convenient boiler that is economical AS WELL AS convenient—then look at the Burnham.

It is made for steam or hot water, either square or round sectional. Send for catalog and further facts.



The distance from the water line to top of the section is the steam dome space, which is larger on the Burnham than any other boiler we know of.



This is the Number 18, the smallest sized Burnham Steam Boiler. Made also for hot water.



This rear section view shows you the interchangeable smoke box, which can be swung around to any position for attaching smoke pipe at top, or either side.

Lord and Burnham Co.

SALES OFFICES:

New York
St. James Bldg.

Boston
Tremont Bldg.

Philadelphia
Franklin Bank Bldg.

Chicago
Rookery Bldg.

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

MASTICA

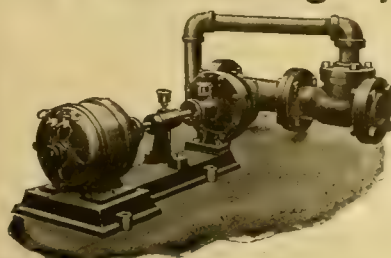
FOR Greenhouse Glazing

USE IT NOW.

F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

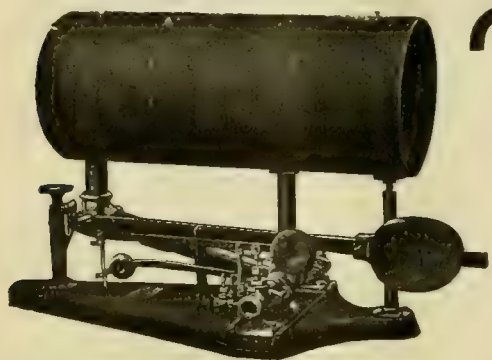
For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

Philadelphia
Birmingham Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC I EDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :

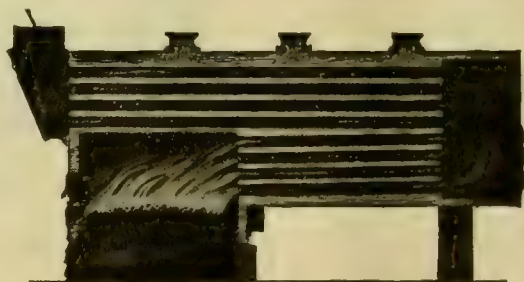
CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



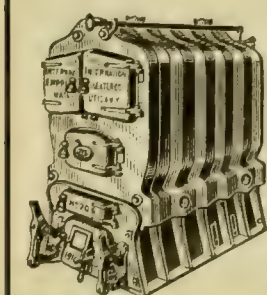
SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing



Describe a
First-Class
Greenhouse
Boiler

Fuel capacity
for the longest
winter.

Simple enough
to be fool proof
and conserva-
tively rated.

That is the
INTERNATIONAL
Embossed Boiler
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.

Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

Hot-Bed Sash, Too.



KING

Greenhouses

LIGHT,
STRONG,
LASTING.

The Three Prime Qualities.

Iron Frame.
Semi-Iron Frame.
Private Conservatories.All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

Write for Bulletins and
Question Blank.**King Construction Co.,**Home Office and Works:
NORTH TONAWANDA, N. Y.Boston Office:
Winthrop Bldg., 7 Water Street,
BOSTON, MASS.Eastern Sales Office:
1181 Broadway, NEW YORK**Dreer's Peerless
Glazing Points**

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.FULL
SIZE
No 2**SIEBERT'S ZINC
Never Rust
GLAZING POINTS**Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert. Baum & Beatty Sts., Pittsburg.**Kramer's Pot Hangers**For sale by Wholesale Seedsmen, Florists
and Supply Dealers.Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Budding Knife Free.

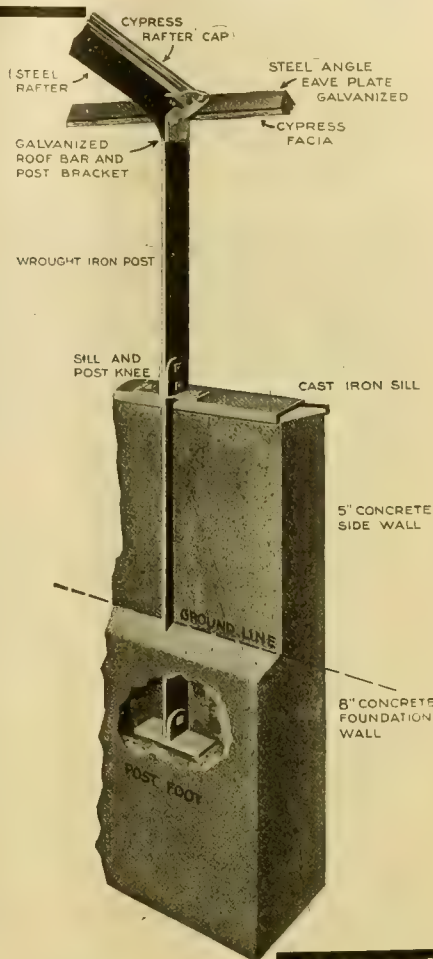
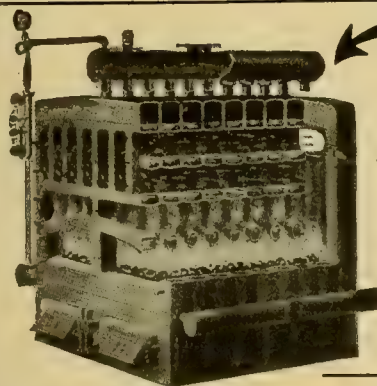
See Page 97.

**Worth Every
Cent It Costs
And More****I**F you buy first class materials for your house, practically the only difference in cost between our Iron Frame construction and any cheaper one is on the frame itself. That means, that any money you save in a cheaper house, is cheaper only because, it has a poorer frame.

Any cheapening of the frame is at the expense of the most vital part of your house—the supporting part.

You cannot afford to put your money into a construction with a temporary frame as against our house with a permanent frame, which is a permanent, paying investment.

Send for our new commercial catalog and get further straight facts on constructions

**Hitchings & Co.,**Elizabeth,
New Jersey**Boynton Furnace Co.**

SOLE MANUFACTURERS OF

BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

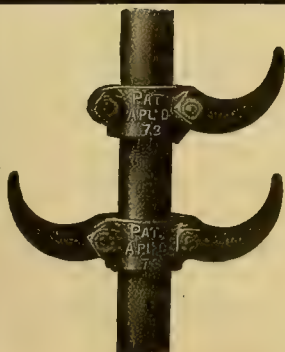
Especially Adapted to Heating Greenhouses

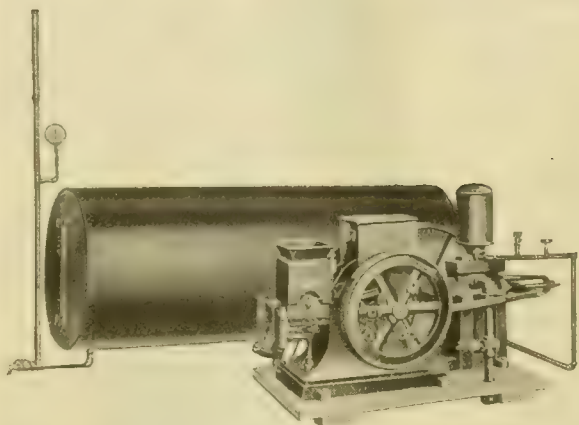
New York { Chicago } Jersey City
 { 131 W. Lake St. }**PIPE CARRIERS**

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND,
INDIANA

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially, so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12003, with arms, price \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World. We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems.** Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

WILKS' Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO

To Tell All the Good Points of Our Construction

in this advertisement
are planning any
tions, it will pay

is impossible. If you
rebuilding or addi-
you to write us.

TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES



CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES

Lock Box S, Des Plaines, Ill.
MANUFACTURERS OF
The Gutter with a Reputation

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

PECKY CYPRESS

CEDAR POSTS, DROPSIDING AND OTHER GREENHOUSE LUMBER

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

Edward Hines Lumber Company, RETAILERS OF EVERYTHING
IN LUMBER.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO

1868

1912

Lockland Lumber Co.
GREENHOUSE LUMBER

Lockland

Ohio.

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St. NEW YORK

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, AUGUST 10, 1912.

No. 1262

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS.—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.
Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, Auditorium Hotel, Chicago.
Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., 1913. WILLIAM SIM, Cliftondale, Mass.,
President; HARRY A. BUNYARD, 342 W. Four-
teenth street, New York, Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

RAILWAY GARDENING ASSOCIATION.

Next meeting at Roanoke, Va., August 13-16,
1912. PATRICK FOY, Roanoke, Va., President; J.
E. BUTTERFIELD Lee's Summit, Mo., Secretary
and Treasurer.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twenty-sixth annual convention to be held at
Milwaukee, Wis., August 20-22, 1912. JOHN J.
STEPHENS, Columbus, O., President; BELLETT
LAWSON, JR., River Grove, Ill., Sec'y-Treasurer.

Chicago Convention Number
Forms Close August 13.
Send Advs. Now.

SUGGESTIONS FOR PLANT GROWERS.

Begonia Gloire De Lorraine.

The early rooted Begonia Gloire de Lorraine will now need shifting into 3½-inch pots, and should be given a little stronger soil than the young stock was potted in, but the manure used should be well rotted, and, where obtainable, a generous addition of leaf-mold. As the plants grow, space them out so that they will not become drawn and so that there is a good circulation of air around each plant. They will need a little shade on the glass for a few weeks yet, but it should not be too heavy. As the nights become cool it is well to close the frames down if they are outside, or if in the greenhouse close the ventilators, leaving a small crack of air on, or the house will sweat, which is not at all beneficial to begonias, as it is very apt to cause spot on the leaf. If this occurs remove the leaf at once. Care should be taken in the watering not to wet the foliage any more than possible. The later rooted stock will not need plotting up until later, but all the growth possible should be obtained by giving them the best of attention. If the grower has not stock enough on hand, now is the time to purchase before the plants are shifted into large pots, when the price will be higher and the transportation charges increased.

Pyrethrums.

An early summer flower that is very showy and beautiful, ranging in colors from white to the deepest scarlet with all the intermediate shades, is the Pyrethrum roseum, and it is being much more grown every year for cut-flower purposes. The best flowers are to be obtained by buying named varieties, but good selected seed will give fair satisfaction and many handsome flowers. The greatest trouble in growing these plants in the north is the danger of winter killing and crown rot during extremely wet spells in hot weather. Seed sown during July and August and wintered in houses or cold frames will produce plants that will flower next summer. Obtain the best seed possible and sow in flats and as

soon as large enough pot in 2½-inch pots. These can be grown on in a frame until cold weather comes on, when they can be securely covered or carried into a cool house and wintered under a bench, started in March and planted out as soon as secure from frost, and will flower in June and July.

Paper White Narcissi.

The Paper White narcissi are now being received, and as soon as delivered should be unpacked and spread out in flats or on shelves in a cool, dry place. If they remain in the original cases, they are apt to become moist or heated when packed closely. They should be handled carefully and not thrown around so that they become bruised or the outer covering torn off. This covering is a great protection for the bulb, preventing it from drying. Plan how the bulbs are to be flowered, that is, how many are to be brought forward each week, and start at once to box up the first lot and then continue the plantings at the desired intervals. The flats or boxes should be prepared at once, not only for these, but for the other bulbs. It is the general custom to use any old box that can be obtained, and they are, therefore, of different sizes and different depths. They do not pack closely when placed outside, neither do they seem to fit on the bench in an economical manner. Our experience has been rather than to buy a mixed lot of boxes of different sizes, it is better and cheaper to purchase stock at the lumber mill and saw it into the proper length. Get one-half-inch stock, three inches wide for the sides and bottom and one-inch stock the same width for the ends. Saw the ends 12 inches long and the sides 24 inches. This will make a flat 24x13 inches by using four pieces for the bottom and will allow proper drainage. A flat of these dimensions will hold about 50 Paper White narcissi or 60 to 70 tulips, and will cost but little more in the price of the box and can be made with much less labor, and when the boxes are all of one size they can be placed upon the benches with much saving of room.

As soon as the bulbs are planted in the flats they should be placed in a dark, cool place and covered with soil or ashes until rooted, when they can be brought into the houses. The early planted bulbs will require good heat to bloom them successfully, much warmer temperature than the later planted bulbs.

Hydrangeas.

The young stock that was propagated this spring can be grown either for Easter blooming with a single stem or for summer blooming with three or four heads. The plants should be now potted in 4-inch pots and plunged in a frame, where they will receive attention. They should have a good rich soil and a strong, sturdy growth encouraged. For those that are to be bloomed early, as soon as the pot becomes full of roots a little liquid manure will help the formation of a good strong bud. Those that are wanted for summer blooming, the tip can be rubbed out and branches will form. Leave the plants outside until the first light frost, which will harden off the wood, and they can then be stored in a cool house or pit where they will not freeze. Those wanted for Easter will have to be placed in heat by the first of the year.

Sweet Scented Geraniums.

The grower who has a stock of rose or other sweet scented geraniums can turn them into good account by planting them in a bench in the greenhouse and can obtain some fine sprays for winter cutting. The green is very much appreciated by the best trade and there is always a demand in the stores catering to that class for more of this than can be obtained. The sprays are cut 12 to 14 inches long and are used in the boxes of cut flowers. There is also a demand for the leaves, to be placed in the finger-bowls at luncheons. It is easily grown in a cool house and very rapidly makes long sprays fit to cut. The plants can be set about eight inches apart, which will give them plenty of room, provided the sprays are cut as soon as they are long enough for use.

RICHFIELD SPRINGS, N. Y.—The greenhouse of Mrs. L. P. Seaton was badly damaged by hail in a recent storm.

Potash as Fertilizer.

In 1900 United States patent No. 641406 was granted to G. J. Rhodin for obtaining soluble potassium salts from feldspar. In carrying out the process according to this invention, 1 part of feldspar is mixed with 1 part of lime and 0.2 part of sodium chloride, all in a finely powdered condition, according to a recent circular issued by the United States Department of Agriculture. The mixture is then heated in a closed vessel of iron or other material, or else in an open-hearth or blast furnace, to a bright yellow heat and maintained at that temperature for a considerable time, care being taken not to melt or fuse the mixture. The cooled mass which still remains in a powder may be applied directly as a manure, since the potash present is claimed to be rendered available by the treatment, or it may be separated from the mass by treatment with acids.

BOSTON, MASS.—The flower show of the North Shore Horticultural Society, to be given August 21-22 for the benefit of Beverly Hospital, will be held on the estate of Mrs. Robert C. Winthrop of West Manchester.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Miniature Bouquet.

This old fashioned diminutive bouquet is intended for the cotillion, but it can also be used as a dinner favor for the men. A handsome gardenia may be used by itself in this holder, the usage for the holder in this case being twofold. The paper tends to keep the gardenia petals in place and at the same time shows a novel boutonniere.

H. E. K.

The Square Deal.

I read with much pleasure Mr. Culp's article on "The Square Deal" in THE AMERICAN FLORIST of July 27, and I want to say that I thoroughly agree with him in every particular. Each year we are cutting down our orders



Miniature Bouquet.

By Henry E. Klunder, Chicago.

for flowers with the houses that have been shipping us pickled stock during the holidays. We begin in October and place our orders with growers who make it a rule to neither force nor refrigerate to any great extent for the special occasions. And our contracts usually continue throughout the entire season; or as long as their stock is good. We are sometimes compelled to pay more money for this stock but we have confidence in it before it arrives, and can recommend it to our best customers at an advanced price, on account of the keeping qualities.

For these reasons the growers of the pickling type are not only gradually losing their holiday trade with long distance customers, but will soon lose the greater part of their business at other times. There are many small florists putting in greenhouses for cut flower growing, for all the season, who would be only too glad to depend entirely upon the wholesalers if they could feel at all sure of getting even reasonably good stock at Christmas,

Easter, Memorial Day and on other holidays. The pickler's time is about over.

Some one will ask: "What are we to do? The demand at special seasons is so much greater than the regular supply, that we are compelled either to force exceedingly or to refrigerate old stock, or both, in order to supply the demand." This may be true, but why ship anything? From the retailer's standpoint it would be much more satisfactory to get nothing than to be compelled to pay good money for trash, pay the express company for hauling it, and then have to hand the garbage man some more to haul it away. It appears to me that more special season stock would relieve the situation considerably.

Let the retailers understand that there are only just so many carnations, roses, etc., to be had; and when the supply is gone they must take longiflorums, hyacinths, narcissus, valley and other flowers that can be grown in crops at the will of the grower; stock that neither has to be forced until it will not hold up its head, nor yet does it have to be kept in cold storage like dressed turkeys waiting a month for Thanksgiving. I have seen many times when we would have a shipment of \$50, \$75 or \$100 worth of flowers opened, and every flower fall to pieces while being removed from the box. Or we receive a shipment of 500 carnations billed at 7 or 8 cents, and find them every one asleep, while our files are filled with orders. I heartily join our friend in saying, "Down with the pickling," and "Give us a Square Deal."

W. J. BAKER, Ft. Worth, Tex.

Colonial Bouquet.

Although the idea is old-fashioned the colonial bouquet must be artistic. Whatever the color scheme an inexpensive flower such as the carnation or the aster should be used in the foundation work. Festoon in circles, using some odd flower as a center. The border of adiantum may be left off if the maker prefers. For the bouquet in the accompanying illustration an inexpensive holder is used. Fancy lace holders give a rich appearance, though the price is high. There are many uses for this style of bouquet, which finds favor with the debutante and is also a pleasing dinner table favor. In this case they should be made rather small. Made of the favorite flower of the recipient they are especially desirable as a gift to one who is ill. H. E. K.

OMAHA, NEB.—A new greenhouse being erected for J. F. Wilcox & Sons at Lake Manowa was wrecked July 31 by a whirlwind. The framework, which had been completed, collapsed. The structure was 60x1,000 feet and early reports of the extent of the damage are conflicting.

SHIREMANSTOWN, PA.—S. Etler, who some time ago bought out the greenhouse business of John F. Rupp, is keeping up a fine stock, particularly in primroses and cyclamens. Mr. Etler is an energetic and affable young man and deserves success. He is a son-in-law of J. W. Miller, another Shiremanstown florist who has achieved marked success as a cyclamen and primrose grower. Mr. Miller does a large shipping business, some of his stock going to Canada and Mexico. In home trade he has made shipments to Oregon, the stock arriving in good condition.

THE CARNATION.

When to Bloom.

The indoor-grown plants that have been in the benches for two months or longer should now be thoroughly well established in the soil and large enough to be allowed to begin to give a few flowers. That is, this applies to such plants that have been well taken care of as regards keeping the shoots uniformly pinched back on time and have not become drawn and spindling from neglect in this respect. Also the grower must be guided according to the character of the growth of the varieties that he has to deal with. The color of the variety should also be taken into consideration. There will not be any great demand for red carnations during the next two months, and though the variety Beacon will bloom freely and produces fine flowers as soon as the plants are large enough to stand it, yet it should be taken into consideration that the best season of the red carnation is around the Christmas holidays and every effort should be put forth to have the reds in the best condition at that time.

They can be topped back to a later period while the plants remain of a fair size, but do not carry it to the extreme by pinching closely after the plant has attained a large size, because the wood is liable to become hard and the growths take longer to get away. Also remember that as the season draws towards fall and winter the growth of the plants begins to be slower and a longer time should be allowed for the growth to take place. Mrs. C. W. Ward and all of the Enchantress varieties are among the best to be allowed to come into bloom early. The stems of Mrs. C. W. Ward will be a little short at the start, but the flowers are good and of good color, and the plant continues to grow away better than many varieties when allowed to bloom this early. There will be a little trouble with the keeping qualities of the varieties of Enchantress at first, but it cannot be expected otherwise during hot weather, though it can be helped considerably by cutting the flowers a little before fully expanded.

Varieties with the habit of growth of Gloriosa and White Perfection should not be allowed to bloom for some time yet, but should be given every encouragement to make growth. They are naturally a thin plant and every shoot that can be put onto them at this time is a gain for the winter. Before allowing any of the plants to start into bloom see that they are properly supported and everything in order for business. Also see that you have the one great problem of this time of the year, the control of the thrips and red spider, well in hand, because carnation blooms spotted up with thrips are not very good subjects to compete with asters or early chrysanthemums which are now in good supply and quality and will continue so for some time. There is only one way to get the upper hand of the thrips and red spider, and that is by continually keeping at the spraying with the nicotine preparation (our solution of spray for this work is a tablespoonful of nicotine to 2½ gallons of water, spraying once a week. The spraying is done late in the afternoon and if



COLONIAL BOUQUET.

By Henry E. Klunder, Chicago.

the weather is very hot the plants are syringed well early next morning). There is no better way to keep the red spider in check than by syringing the plants well and allowing them plenty of ventilation. Close, hot, dry conditions are what increases the red spider.

C. W. JOHNSON.

LOGANSFORT, IND.—A new greenhouse, modern in every respect, is being erected on the grounds of Long-cliff hospital.

Carnation Breeding.

Paper read by Prof. William Stuart of the Plant Bureau, United States Department of Agriculture, before the Florists' Club of Washington, D. C., March 5, 1912.

When I was invited by the chairman of your programme committee to give you an address on some phase of carnation breeding, my first impulse was to plead a lack of ability as well as of time to accept such an undertaking. The persistence and winning persuasive powers of your chairman,

however, were of such a nature that I could not well do otherwise than accept his invitation, but with this understanding—that I would not be expected to occupy very much of your valuable time.

It may not be inappropriate at the outset to say that my first interest in the carnation dates back nearly a quarter of a century, when as a young man I began a three year greenhouse apprenticeship. This was prior to the day of the long-stemmed carnation, when such varieties as Boule de Neige and Alegatiere were in their zenith. Carnation breeding was little practiced in those days. The writer first became directly interested in plant breeding some nine years ago, when as horticulturist at the Vermont Station, carnation breeding was indulged in partly as a diversion and partly to study some problems connected with the work of breeding. The results of some of these studies were presented in the 20th annual report of the Vermont Agricultural Experiment Station in 1908, under the caption of "Seasonal Influence in Carnation Crossing Relative to Seed Production." The conclusions arrived at from this investigation were that the early crosses, that is those made in October and November, seemed to give a considerably higher percentage of successes, a much larger number of seeds per capsule; a higher percentage of germination and apparently heavier seed. The probable reason for better results from the early crosses was assumed to be due to the greater vigor of the plants rather than to seasonal influence.

In the winter of 1907-08 investigations were undertaken looking towards the corroboration or disproof of Norton's theory, expressed in December, 1904* with respect to the possibility of our commercial carnation being an unfixed hybrid between a single and a true double. Carnation seedlings were classed into three groups—singles, semi-doubles, and doubles. The semi-double representing the commercial florist type, and the double, what is known as the "bullhead." These investigations were pursued at the Vermont Station during the winters of 1907-08 and 1909-09 and in the United States Department of Agriculture greenhouses at Arlington Farm in 1910-11. The results of this inquiry are now embodied in a report soon to be issued in bulletin form by the Vermont Experiment Station.

The crosses which were made may be classed under five groups. 1—Single X single. 2—Single X double. 3—Commercial X single. 4—Commercial X commercial. 5—Double X double.

In the first group twenty-two crosses netted 354 flowering plants of which all were single.

In group 2—single X double—44 crosses gave 1,004 flowering plants of which 4 were single, 988 commercial and 12 double. Percentages respectively of .4, 98.4 and 1.2.

Six crosses in group 3, commercial X single, resulted in 41 flowering plants, of which 21 were single and 20 commercial. Percentages respectively of 51.2 and 48.8.

Twenty-four crosses in group 4, commercial X commercial, netted 260 flow-

ering plants, of which 62 were single and 198 semi-double and double. Percentages respectively of 23.8 and 76.2.

In group 5 all efforts to cross double with double were unsuccessful. This is in direct corroboration of similar efforts by Norton. It does not necessarily prove, however, that such crosses cannot be effected.

In order that we may fully understand the significance of the above results it seems desirable to enter into a brief discussion of the principles of heredity as exemplified in Mendel's law of inheritance.

MEDEL'S LAW OF INHERITANCE.

While you are all more or less familiar with the Mendelian theory of inheritance, it may not be amiss to present at this time a brief interpretation of it, in order that we may better understand the discussion which is to follow. In 1900 Hugo de Vries rediscovered an old paper by Gregor Mendel which had been presented before a scientific society in Brunn, Austria, in February and March, 1865. This paper contained a detailed account of carefully conducted investigations with the garden pea in which the inheritance of certain definite characters were noted. Only such varieties of the garden pea were selected for the work as had been proven by several seasons' culture to reproduce themselves absolutely true from seed. Another desiderata in their choice was that they possess opposing pairs of unit characters. Mendel studied seven pairs of these opposing characters, one of which will be sufficient to illustrate the method he pursued. This pair of characters were round and wrinkled

uniform and definite ratio. On an average this ratio approximated 75 per cent round and 25 per cent wrinkled. The wrinkled pea was then said to be recessive to the round. In the subsequent generation, wrinkled seeds produced all wrinkled, while 25 per cent of the round gave all rounds and the remaining fifty gave wrinkled and round in the same proportion as the F_1 generation. From this data Mendel formulated the following numerical ratio for the F_2 generation of hybrids: 1:2:1 or 25 per cent dominants, 50 per cent dominant recessives and 25 per cent recessives. To facilitate further discussion along this line the algebraic expressions $R + 2RW + R$ will be used to denote the numerical value of the hybrids, R denoting round, and W wrinkled and RW the hybrid between R and W . In the hybrid RW the recessive W is written in the lower case, thus Rw . Such an expression always denotes an unexpressed or recessive character. For the purpose of further discussion it seems desirable to introduce other terms which are inimical to brevity and to clear expression of thought. The first term to be considered is that of the gamete. This term is employed by the biologist to denote the sexual cells of a plant. It is supposed to contain all of the heritable characters of a plant or animal. The fusion of a male and female gamete results in the formation of what is technically known as a zygote. If the fusing gametes are of a similar constitution, that is possessing identical unit characters as in the case of pure strains of plants, the resulting zygote is called homozygote, because it possesses a homogenous constitution.



SOME PIONEER FLORISTS OF MINNEAPOLIS.

Reading from Left to Right. They Are: Hans Rosacker, Gus Malmquist, Aug. Swanson and John Munson. The Picture Was Taken at the Recent Picnic of the Florists of the Twin Cities.

seed. These being well defined characters were easy to study and to interpret in the resulting progeny. It was found that the hybrids of this cross or the F_1 generation gave all round seeds and this character was therefore called the dominant one. In the F_2 generation from self-fertilized plants he found that there was a splitting up of these characters in a fairly

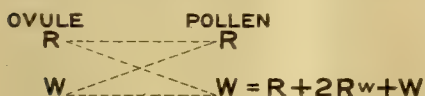
On the other hand if gametes of unlike constitution fuse with each other the resulting union is called a heterozygote because it contains unlike opposing characters. Therefore each ovule and pollen grain developed in plants produced from the Rw seed would theoretically contain either the R and W characters, and according to the law of chance would combine in about

*Norton, J. B.—Carnation Seedlings and Mendel's Law. *Prog. Soc. Hort. Sc.* 1905, page 105, read December, 1904.



COLISEUM, CHICAGO, WHERE THE S. A. F CONVENTION WILL BE HELD AUGUST 20-23.

equal proportions. This may be best illustrated in the following manner:



It is important, however, to remember that Mendelian inheritance only gives such an expression as the above when the plants employed are gametically pure, that is in which two opposing or contrasting characters do not exist in the same gamete. With this conception of Mendelian inheritance and the factors which govern its expression we may now re-direct our attention to the data previously submitted with reference to the results from crosses in groups I to IV.

In group I singles were crossed with singles, and it will be remembered that the resulting progeny were all single flowered. In this case it is evident that the ovules and pollen grains of the single flowering carnation only contain the S. unit character, and for that reason it is only possible for the parent plants to transmit the S. unit to their progeny.

In group II we have an entirely different proposition. Here the female or seed parent possesses the S. unit and the pollen or male parent the D. or double character. By combining these we get the hybrid D s. as follows:

Ovule Pollen
 S.....D = D s., S being recessive, it is unexpressed. Theoretically, then, the first generation hybrids all produce flowers of the commercial type. The data presented shows that while this was very closely approximated it was not absolutely attained. Of the 1,004 seedlings which were flowered 4 produced single flowers, 988 commercial and 12 were classed as doubles. In the light of our present knowledge there is some reason to doubt the accuracy of the

observation upon the twelve doubles noted. It is quite possible that they may have been rather full petalled bursters of the commercial type. However, be this as it may, the evidence seems to overwhelmingly support the idea that the single and double unit characters of the carnation are separate and distinct entities. The presence of a single plant in each of four crosses may be accounted for by assuming that through some accident in making the cross or in emasculating the flower a pollen grain from a single may have been transferred to the stigma from the forceps used in performing the operation. The percentages of singles, commercials and doubles from group II were respectively .4, 98.4, and 1.2. Theoretically there should not have been any singles or doubles. As already explained in the case of the doubles it is not at all certain that they were true doubles.

In group III a different set of factors are involved. Here we have the D s hybrid ovules crossed with pollen from the gametically pure single. This cross is expressed in the following manner:



While the data obtained from this cross is too meager to permit of much generalization it nevertheless very closely approaches the Mendelian ratio. Theoretically fifty per cent of the seedling plants should have produced single flowers and the remaining fifty per cent those of the commercial type. The figures actually obtained were 51.2 per cent singles and 48.8 per cent commercial.

Slightly different factors were involved in group IV. In this cross we are dealing with the unfixed hybrid in both parents and in consequence have the opposing unit characters in both

parents as shown in the following diagram:



in which according to the law of chance the probable combination would be D + 2 D s + S or 1:2:1. The diagram shows how these characters may combine. The data obtained from such crosses shows that of the 260 plants flowered, 62 produced single flowers and 198 commercial and double, or percentages respectively of 23.8 and 76.2. The theoretical percentage should have been 25 per cent singles and 75 per cent commercial and double. No attempt was made to distinguish between the double and the commercial.

NATURE OF DOUBLING IN THE CARNATION.

While it has not as yet been possible to make a very careful study of the nature of doubling in the carnation, sufficient information has been derived from an examination of several hundred flowers to enable us to say that many factors contribute toward doubling. The simpler and more common ones are those of the multiplication of petals, by proliferation, the conversion of stamens into petals and the development of supernumerary buds inside the flower but outside of the ovary. The presence of supernumerary or adventitious buds seem to imply a tendency, of the flowers in which they occur, to advert to the "bullhead" type of flower. It is certain that their presence in the flower is accountable for many a bursted calyx, and in such instances it may be necessary for us to revise our current notions that a bursted calyx is due to an inherent tendency in the plant to produce weak calyces or that it is the result of unfavorable temperatures or conditions of growth. True it may be, that the presence of supernumerary buds may indicate an inherent weakness in the plant, but have we a right to say that this weakness is solely one of an imperfect calyx?

In the light of our present knowledge it would appear that we must look for some other explanation. It is evident that whatever determines the presence of these extra buds, must be due to some inherent factor in the organic hereditary constitution of the plant. In all probability these changes occur in the very earliest stages of the development of the bud. Until careful cytological studies have been made of this phenomenon our conception regarding the determining causes of the presence of adventitious buds must be a purely speculative one.

COMMERCIAL AND DOUBLE.

Recent observations on the behavior of supposedly commercial and double flowering plants would seem to indicate that the number of petals per flower vary greatly throughout the season. Seedlings which apparently produce good typical commercial flowers during the early part of the season or until the middle of January, began to develop many blooms which to all appearances were of the "bullhead" type. Our attention has also been called to an apparent opposite case, in which a seedling plant producing "bullheads" in the early part of the season began to develop flowers bordering on the commercial type.

Our present knowledge would lead us to believe that there is a considerable degree of seasonal fluctuating variability in some of the seedling plants. This variability has also been noticed in the Enchantress and Mrs. Ward and no doubt is more or less common in other full-petaled varieties.

ADVANTAGES OF SINGLE-DOUBLE CROSS.

Thus far in our discussion we have simply aimed to present a report of the results which have actually been secured from the various crosses mentioned, our present effort will be to show that the single-double cross may offer some advantages to the plant breeder which are not found in the commercial-commercial crosses. In the first place it has been shown that the resulting seedlings of the commercial crossed with the commercial yields approximately 25 per cent singles, 50 per cent commercials, and 25 per cent doubles. In other words, the possibility of securing a really desirable seedling is limited to 50 per cent of the progeny. In the single-double cross the breeder has 100 per cent from which to make his selection. The advantage therefore of the two crosses is as 50 to 100 in favor of the single-double combination. In addition to this we might mention that it frequently happens that very desirable colors occur in the singles, particularly in scarlets and crimsons. The singles are also as a rule very free blooming, and many of them produce long stiff-stemmed flowers. They are also as a rule more vigorous than the commercial types. Similar desirable characters are oftentimes found embodied in the "bullheads" and with intelligent selection of the parent plants it should be possible to secure a reasonably large percentage of promising seedlings.

There is yet another factor which we have not as yet mentioned but which seems to be clearly emphasized by our investigations, and that is with respect to the average number of seedling plants produced per cross. Our data shows that the single-single combination produced 16.1 per cent plants per cross; the single-double 22.8, the commercial-single 6.8 and the commercial-commercial 11.3. While it is recognized that a repetition of similar

crosses might not corroborate these figures in whole, it is believed that the general results are indicative of greater vigor in the progeny of the single-double combination. Certainly when this data is considered in connection with the fact that the single-double cross gives, theoretically, at least, 100 instead of fifty plants from which to select, one is impressed with the greater desirability of employing such a cross when attempting to produce or create new varieties. We are well aware that such suggestions are directly at variance with present recognized practice, but nevertheless it is believed that the plant breeder can well afford to give it some consideration.

Japanese Azaleas.

Readers who are conversant with the glowing effects of azaleas when grouped upon the hillsides or in the gardens of Japan, must surely at times wish that these same exquisite effects might be reproduced in our English landscapes, writes a correspondent in the Gardeners' Magazine. The colorings of some of these azaleas are so attractive, so superb for distance effects, that I may be pardoned if I dilate a little upon such a subject. The use of *Azalea mollis* has become general, and both for garden decoration and for forcing its varieties have attained great popularity. For planting banks and slopes, this class of azaleas is very attractive, and both at the time of blossoming and in the autumn, when the leaves take on their glowing hues of scarlet and gold, they decidedly enhance the beauty and the interest of the garden.

Azaleas of the *A. ledifolium* and kindred types are being brought into use for wild garden effects in south coun-

note on account of its earliness and hardness, as it often blooms like *Rhododendron praecox*, on a snow-covered landscape.

Away from all the foregoing are the azaleas from the warm mountain slopes of Japan, which are almost, if not quite, unequalled among dwarf shrubs. The usual varieties of *Azalea indica* do not hold the warmth of coloring and brilliancy of these new subjects, though the small glossy evergreen foliage bespeaks their near relationship to the *indica* type. One of the best known of this section is the glowing red *A. Hinode-giri*, which is capable of very fine effects, and with the following, is notable for the multitudes of blossoms which crowd the plants. Good as *H. Hinode-giri* is, *A. Kirishima*, to me, is far better. Imagine a set of dwarf shrubs clouded over with sheets of starry rosy-red flowers, a veritable blaze of rich color, and you will have some conception of *A. Kirishima*. Provided that *A. Kirishima* proves hardy enough for the sheltered southern counties, we shall get even yet a touch of Japanese color in our garden scenes.

Equally good is *A. Yaye-giri*, one of the most exquisite shades of orange-red ever noted among floral subjects. Unlike *A. Kirishima*, *A. Yaye-giri* produces duplex blossoms, but it is not the duplex flowers that one cares about, but the glowing, appealing orange-red shade which lights up the whole of its surroundings that commands attention. If one were compelled to always cultivate this azalea under glass, its beauty would more than compensate for the time and trouble expended upon it, but in the sheltered south I have hopes that it may find a permanent home on the sunny slopes of a warm rock or wild garden.



INTERIOR OF THE RETAIL STORE OF ARTHUR SHUTZ, HAMMOND, IND.

try gardens, and the results have been very pleasing, the pure white variety *leucanthemum* being capable of fine effects.

A. amena, or *Hatsu-giri*, is of distinct service for rock gardens, and when it does well, is quite attractive with its purplish blossoms. The Korean *A. acuminata* comes near to it in color, though a trifle paler, but the habit of the latter is much taller and more robust. *A. acuminata* deserves

Grown as pot plants under glass the foregoing azaleas flower in March, but plants grown cool will be at their best in May. It is with the hope that these Japanese azaleas may be more widely admired and utilized that I pen these notes. They are deserving of the closest attention, and should have a good future; and apart from their usefulness for private gardens, they should be valuable to the market grower.

Canadian Horticultural Association.

The fifteenth annual convention of the Canadian Horticultural Association opened Wednesday, August 7, at Montreal, Quebec, and about 75 delegates, many of them from the United States, were present. A goodly number of ladies also attended. President A. C. Wilshire was in the chair. Alderman Monahan welcomed the visitors on behalf of the mayor, who was out of town, and J. Connor replied. The president's address was read and received and J. Connor, G. A. Robinson and W. Gammage were appointed to report and open the discussion on it. The secretary's and treasurer's reports were received and adopted.

A lively discussion took place on the report of the committee on lower parcels post rates. The convention put itself on record for letter rates and to extend the limit to 100 pounds. The report of the nomenclature committee was ordered printed. It was moved by Mr. Philpot and seconded by W. Gammage to change the time of the election from the fourth to the third session. The trade exhibit judges are W. C. Hall, Geo. Hopton and E. A. Mepstead.

The exhibitors are: H. Bayersdorfer Co., Dale estate, Wm. Ewing Co., Dupuy & Ferguson, J. A. Simmers, Morehead Steam Trap Co., Dominion Paper Box Co., E. J. Hayward, Craig & Hutchins, Montreal Floral Exchange.

Among the numbers on the programme are the following papers: "Cost of Production of Florists' Stock," by W. W. Gammage, London, Ont.; "Economical Management of a Retail Store," by George M. Geraghty, Toronto, Ont.; "Commercial Orchids," by Thomas Manton, Eglinton, Ont. There will also be practical demonstrations in the arrangement of cut flowers by H. Dilleuth, also of Toronto. The association banquet will be held Thursday evening, August 8. The officers are: A. C. Wilshire, president; Walter Muston, first vice-president; H. B. Cowan, second vice-president; Julius Luck, secretary; C. H. Janzen, treasurer.

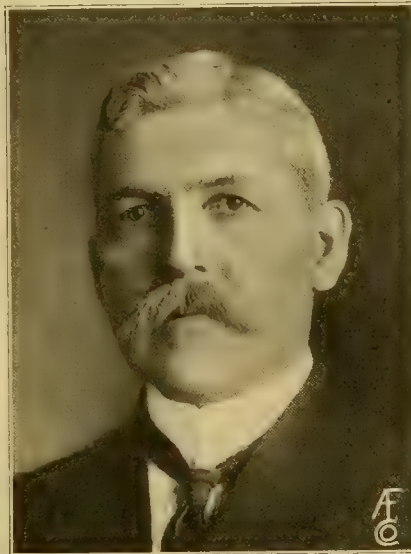
SECRETARY'S REPORT, 1912.

I have the pleasure of presenting to you my first secretary's report for the fifteenth annual convention. It has been a pleasure to me to follow the work of the association through the year and I find that there is much ground to be broken yet. The progress of the association appears to be slow, considering the rapid progress of the country. I think that we might do more advertising and make ourselves known otherwise, for I have proof that a large number of our fellow craftsmen do not know of the existence of the Canadian Horticultural Association.

The finances of the association are not sufficiently strong to admit of freely expending for necessary requirements, but with careful and business-like handling a good deal ought to be accomplished. I am sorry to note that the members after joining do not continue and that we always have to look to new members joining again, also the system of collecting dues might be improved upon. Application for reduced rates was made with the Eastern Passenger Association and we were granted the reduction by the certificate plan.

The trade exhibit last year was of much interest and I hope of much benefit to every one. As we do not charge for space this still remains a non-paying venture. The Society of American Florists derive a handsome revenue out of this. The executive committee at their meeting March 17 instructed your secretary to ask the minister of customs to appoint a competent appraiser in Toronto and Montreal, which was done and received a favorable reply. The thanks of the association are due to the Canadian Florist for the generous space given and reporting the proceedings of the convention. In closing I wish to thank the members for their kind attention and the help given to the secretary during the past year.

JULIUS LUCK, Sec'y.



Wm. Gammage.

Canadian Horticultural Association Essayist.

Cost of Production of Florists' Stock.

Paper read by W. W. Gammage at the fifteenth annual convention of the Canadian Horticultural Association, Montreal, August 6-9.

It is not my purpose to present a "cost finding system," but more to direct your thought along lines that will enable you to establish one for yourselves. How many are there in the florist business that know the cost of production? I venture the assertion that ninety-nine per cent do not; nor do they consider it an essential, being satisfied to drift along with more or less success, some struggling for an existence, some making a comfortable living and a few a fair competence.

Too many work without plans—they never see the vision. Their business structures are poor and shapeless and never enduring. If the plans are crude and small, so will the results be. The great secret, then, is to plan; broad, high and secure. Keep the plans ever before your eyes, work close to the specifications and keep building your business system steadily and securely, bit by bit, until your enterprise rises to its full height and glory. You must know your business, know it thoroughly, know its strong points, and above all, know its weak ones; know where to take advantage of opportunities, know where the leaks are and how to stop them.

To me it appears that the preparation of this paper should have been assigned to an accountant, for it is to that important "adjunct" that we must look for final information. In these days of competition, the moment a new man enters the field, he is challenged by a host of competitors. He must fight to live. He must conquer to succeed. Business is a game which men play, revel in, live for without rest or monotony for decades. It is a game that builds up industries and nations as a by-product of the playing. It is the spirit of rivalry that sharpens a man's intellect and spurs on his energy, and unless a man is possessed of this energy, this desire to surpass, he can never hope to carry the day. He will never succeed in the fight.

It is absolutely necessary to guard the "cost" expense account with all the expert accountant's ability. You may have the mechanical ability to superintend or construct your building, you may have the ability to grow and produce the finest stock, both necessary essentials, but if you do not have a thorough knowledge of values, if you do not know how, when, and where to buy your supplies or be able to operate or supervise an aggressive selling policy and handle your accounts in a systematic and business-like way, your competitor with business ability will soon crowd you to the wall.

You may say that supply and demand govern prices; but they are not an infallible governing influence, as in a case of keen competition or a squeeze out supply and demand are a secondary consequence. Therefore, it is all the more necessary to know where the danger line lies, where the profits leave off and the loss begins, when to "dump" and re-occupy the space with a profit-bearing crop. Then in order that a business may be conducted upon a sound basis, it would be necessary to establish a cost finding system. The nature of the business and size of the establishment will largely direct the system to adopt. If it is necessary for a manufacturer to keep an accurate record of the cost of his productions, that he may establish a selling price that will yield a profit, is it not just as necessary for a florist to know what it is costing to produce his carnations, roses, or pot plants?

To the specialist or concern that grows only one or two or three lines, it is a simple method of accounting; but where a number of lines are handled and the same space occupied several times during the year by different varieties at varying periods, it is a more difficult problem. Each variety must bear its share of the fixed expenses such as: interest on investment, depreciation, taxes, insurance, salary of owner, superintendent or foreman as the case may be, selling cost, uncollectable accounts, and any other non-productive expense in connection with the growers time, proportion of fuel, soil and fertilizer, flower pots, and any other direct expense that may apply. This will entail a considerable amount of detail work, but when once in operation, it soon becomes a habit and the results are a source of satisfaction to the careful business man.

Wheeler Park, Oklahoma City.

It is a safe assertion to make that no city which in its upbuilding donates money and brains to the establishing and maintenance of public parks and playgrounds will ever go backwards or, in fact, be long checked in any way, in its onward growth. Oklahoma City has many things to be proud of in her ornamental business buildings, paved streets and her superb interurban trolley system, but the finest feature of her 23 years' growth is Wheeler Park, a pleasant breathing spot located on the banks of the Canadian River and right in the heart of the city.

Eight years ago, when the present superintendent, C. E. Franke, came to take charge of the park, it was a swampy wilderness. Today it is a veritable beauty spot every day in the year. The park embraces 47 acres, is well wooded with a natural growth of native trees, and has proved an ideal spot for Mr. Franke to display his landscape-gardening ability and bring about many pleasing results. Broad sweeping lawns of bluegrass have been laid down, bordering which carefully planted and tended flower beds are to be seen. A children's playground with swings and all other equipment that goes to make a child happy is one of the latest additions and is surely appreciated by the coming generations as the large crowds of youngsters testify. A picnic grove and an ever-growing zoological collection are also features.

It is more along the line of floriculture that these notes will be concerned with, however, and we would first observe that while a great many species of flowering and ornamental plants thrive luxuriantly in this climate, there are some that will hardly exist with the best of care. For instance, a great many kinds of roses have been tried but so far none have been found that were quite satisfactory. The hot July sun seems too much for them. Coleus as bedding plants blister easily and alternanthera becomes infested with "white fly," one of the hardest pests to eradicate. Hence it will be seen there are difficulties encountered here in ornamental gardening that are not usually met with in most city parks. However, Mr. Franke has become familiar with conditions and the present aspect of the flower gardening throughout the park in general is most pleasing and reflects great credit on the grower.

Two large iron-frame greenhouses have been built for the raising of bedding stock. These are provided with a wire guard over the entire roofs to prevent damage from hail. For two successive seasons every pane of glass was broken by hailstones; now that the wire guards are in place there can be no more damage from that source. At present one of these houses is planted in chrysanthemums and the early sort, Golden Glow, is already (August 3) showing color. Facing the greenhouses there is a large, almost circular lawn with a bed of cannas in the center some fifty feet or more in diameter. Cannas do well here. Louisiana occupies the centre and is fully seven feet high. Other varieties in the bed are such as Egandale, Bouvier, David Harum, etc., and they are all flowering profusely.

Around the border of this circular lawn are some ten or twelve round beds about twelve feet in diameter. Most of these are massed with geraniums, separate colors to each bed. Such varieties as Jean Viaud, Trego, S. A. Nutt, Beaute Poitevine, and White Swan have proved the best here and they are a complete mass of gay blossoms. Solid beds of Plumbago are a feature. They flower profusely all summer long. The single flowering

Vinca is another subject used for massing extensively and keeps in bloom constantly throughout the summer. A bed of the old-fashioned Lantana was a surprise to us. The brilliant coloring and the abundant foliage as grown here is charmingly effective.

Perhaps the chief feature of the flower garden is a fac-simile of an automobile on a raised platform, done in dwarf plants. The superstructure of the machine is made of rustic work, coleus; sedum and asparagus sprengeri fill the body. The sides of the platform are of alternantheri, yellow and red, one side bearing the number of the car, 23, the other side carrying a representation of an eagle. The track leading to the platform was of coleus and santolina, the latter used to designate the wheelmarks and which indeed gave a good representation of them. One of the pretty effects of the garden is a planting of sanseverias, bordered with cyperus alternifolius. Both of the varieties have made sufficient growth to cover completely, and the combination is a good one.

Several elaborate designs in carpet bedding have been marked out. One a pan-shaped bed, with the words, "Wheeler Park, 1912," done with alternanthera in the body of the fan, is quite conspicuous. Among the other designs, such plants as Iresine, mesembryanthemum, sedums, agares, etc., have been used in huge quantities, all of which tend to make the flower garden as a whole a very pretty picture. As mentioned above, cannas thrive superbly and large plantings of them are seen on every hand. Quite a number of seedlings are in flower in the trial grounds, several of which look

European Horticulture.

FROM THE BRITISH PRESS.

The Australian Bluebell Creeper (*Sollya heterophylla*).—The popular name of this slender-growing ligneous climber is a very appropriate one, as the bell-shaped flowers are a delightful shade of blue. While it may be treated as a wall plant in the favored parts of these isles, the protection of a greenhouse is, in most parts, necessary to its well-doing. In that structure it may be grown in different ways, as, if the house is not a lofty one, it has an exceedingly pretty effect when trained to the roof or rafter, the drooping blossoms being then seen to the best advantage. Besides this, it may be grown in pots, and the slender shoots twined around a few sticks. In this way it will flower profusely, and that, too, over a lengthened period, while flowers of that tint are appreciated by everyone. This *sollya* may be readily struck from cuttings of the young growing shoots, put into sandy soil and placed in a close propagating-case kept at a warm greenhouse temperature. It prefers a certain amount of peat in the potting soil. The late Mr. J. H. Veitch, in his "Traveller's Notes," mentions that while he met with *sollya* freely in Western Australia, it was always as a dwarf bush and not as a climber.

A Beautiful Honeysuckle.—*Lonicera alpigena* belongs to the bush section of the genus, and is easily distinguished from other members of the same group by its upright habit, intensely hairy leaves and showy inflorescences. A native of the European Alps and the Himalaya, it forms a shapely bush



CARNATIONS AT CHARLES CURTIS', IRONDEQUOIT, N. Y.

good. One, a yellow, slightly dotted with crimson, medium height, large flowers borne in immense numbers is worthy of being named and introduced. It is one of the best and freest yellows ever seen. S. S. B.

WINONA LAKE, IND.—The Northern Indiana Florists' Association held its annual meeting and banquet here July 17.

LYNN, MASS.—Gibbs Bros. have purchased a lot adjoining their greenhouses and will erect new buildings next year.

six feet or eight feet high and as far through, clothed with ovate or obovate leaves, which are densely covered on the under surface with soft, velvety hairs. They vary from two inches to four and a half inches long and from one inch to two inches in width. The flowers are borne in pairs from the leaf-axils, each two flowers being enclosed by a pair of large red bracts. The flowers are orange colored, tubular, half an inch to three-quarters of an inch long and hairy. The bracts are persistent after the fall of the flowers, and gradually take on a deeper color, so that when the black fruits are ripe in August they are deep red. Grow-

ing freely almost anywhere, it is an excellent shrub to place in a mixed shrubbery, while there are many less ornamental subjects which occupy prominent positions as specimen plants.

Horticultural Events of the Nineteenth Century.—Of trees, the chief introductions were coniferae, from America and Japan. *Sequoia gigantea*, the many species of *picea*, as *amabilis*, *concolor*, *Nordmanniana*, *lasiocarpa*, *nobilis*; *Pseudotsuga Douglasi*; *Abies Menziesii* and *polita*; *Cupressus Lawsoniana*, the *retinospore*, *sciadopitys verticillata* are a very few. Then how greatly enriched in shrubs did the nineteenth century make our gardens. The *weigela*s, *spirea*s, Japanese cherries, and plums, Japanese maples, flowering currants, *philadelphus*, *aralia chinensis*, *fatsia japonica*, *daphniphyllum*, *azara microphylla*, *berberidopsis coralina*, *berberis Darwini*, *caryopteris mastacanthus*, *ceanothus*, *cotoneaster*, *escallonia*s, *eucryphia*, *pinnatifolia olearia*, the Himalayan *rhododendrons*, *virburnums*—a host in themselves, also add to the charm of our gardens.

The Namaqualand Daisy.—This beautiful little low-growing annual is doing better this year than we ever remember seeing it before. Plants that were raised from seeds sown in a cold frame at the end of March commenced to flower as soon as planted out the third week in May, and look like continuing the display right through the summer. The beautiful glossy, orange-colored flowers resemble those of the *gerbera*s in shape and gracefulness. We have them planted between the roses in a bed made up of such yellow varieties as *Arthur R. Goodwin*, *Duchess of Wellington* and *J. Coey*, and the effect is most pleasing. Owing to their shallow rooting they do not rob the roses of much food, and are much better for rose-beds than *violas*. It is a pity that the common name of this annual is almost as unwieldy as the botanical one, viz., *dimorphotheca aurantiaca*.

A Rose Temple.—Here is another instance (see the note upon "Architectural Ornaments") of how a well-built and finely designed architectural structure may add to the dignity and nobility of a garden, besides being of prime utility. This rose temple was designed and erected by Messrs. Cheal, Crawley, well-known garden makers, and fittingly terminates a main terrace path, allowing a far view into the grace of the natural scene beyond. It might also be used as a cool retiring house (perhaps covered a little with creepers), or as a tea pavilion. At all events, it is a delightful sanctum.

Rose Killarney Brilliant.—Under this name, Alex. Dickson & Sons, of Newtownards, Ireland, have registered in America a new sport of Killarney which originated in this country. The blooms of the variety are described as being more double than *Double Pink Killarney* and the color brighter than the original *Pink Killarney*. The form of the flower and the habit of growth are like the original Killarney.

St. Louis.

CARNATIONS ABOUT GONE.

Carnations are not so plentiful, many of the growers having thrown them out. Outdoor ones are in and moving fairly well. *Gladioli* are still coming in and *asters* are increasing, especially in the common varieties. Some good fancy ones are seen. If this cool weather continues many will return to the city. Stores are being renovated and preparations for fall trade are seen everywhere.

NOTES.

Joseph Krug of Alton, Ill., was in town Sunday. He has opened up a store in Granite City. Mr. Krug has fine house of *chrysanthemum* plants thrown out his carnations and has a and his cut blooms are in fine shape for fall trade.

N. Kingsley, of the Mullanphy Flower Co., has returned from his vacation. Wm. A. Seeger, of the same firm, will attend the convention.

The Wm. C. Smith Wholesale Floral Co. is getting some good outdoor carnations, also a fine assortment of *gladioli* and lilies.

Mr. and Mrs. John Connon, of Webster Grove, St. Louis county, are the proud parents of a baby girl.

C. A. Kuehn is having a fine assortment of outdoor flowers, also lilies, *asters*, roses and carnations.

M. Le Vine, with Lion & Co., New York, is with us and reports good trade all along the line.

Geo. H. Angermueller has a fine supply of extra fancy *asters* which have good sale. K.

Cincinnati.

MARKET UNCHANGED.

Market conditions are just about the same as at last writing. A steady demand has been really more than offset by an increased supply of nearly everything. Naturally in this last the worst offender is *asters*. The choice and really good ones clean up. The poorer accumulate and hold down the prices of nearly everything. *Gladioli* have let up somewhat judging from the receipts at the close of last week and the beginning of this. The cool weather is probably the cause. The large receipts of *giganteum* lilies are taken up fairly well. *Auratum*s move none too well, although the large offering is of a very choice quality. Roses have for the past fortnight cleaned up readily. The best seller is, of course, the *American Beauty*. Others, including *Killarney*, *Kaiserin*, *Ivory*, *Bride*, *Taft*, *My Maryland*, *Golden Gate* and *Sunburst* are right up with the leader. Carnations still hold on as though they hated to leave us for a few months. The good ones sell pretty well.

NOTES.

All those living here and from other points who will join either C. E. Critchell's and Al Heckman's party at noon on the Big Four, or E. G. Gillett's at night on the C. H. & D., for Chicago should advise the respective gentlemen as quickly as possible. The list is growing fast.

The Cincinnati Florists' Society will meet next Monday evening at the club rooms in the Flower market.

E. G. Gillett is in receipt of a card from William and Mary Lodder who are at present at Quebec.

Chas. Garvey is again at the store after his three weeks' vacation spent at Indianapolis.

B. P. Critchell celebrated his seventieth birthday anniversary on Thursday, Aug. 8.

Mr. and Mrs. Chas. Pfeiffer are back after their extended trip to the Pacific coast.

Ed. Bossmeyer, of C. E. Critchell's, is on his vacation.

P. J. Olinger is back from Chicago.

Visitors: E. P. Hall, Shelbyville, Ind.; S. F. Pulant, Winchester, Ky.; E. Y. Teas, Centerville, Ind.; Fred Rupp, Lawrenceburg, Ind.; Jos. Goldman, Middletown, O.; Julius Dillhof, of Schloss Bros., New York. H.

Convention Exhibitors.

Every foot of available space will be sold before the opening of the convention at the Chicago Coliseum, August 20-23, and those desiring to exhibit must make immediate application or it will be too late. It must be remembered that the exhibitor rents the space only, and should make arrangements as far ahead as possible for the erection of tables, hiring of desks, securing signs, or whatever is required for his exhibit. The superintendent of the trade exhibition will assist as far as his time will allow. By a recommendation of the advisory board,

that part of rule 3 which reads "Exhibition space shall be limited to six feet, six inches above the floor" is changed to read "shall be limited to ten feet above the floor." Following is a complete list of exhibitors to August 3, 1912:

Advance Co., Richmond, Ind.
Am. Aux'lry Heating Co., Boston.
American Blower Co., Detroit, Mich.
American Florist, Chicago.
J. K. Andrews, Elgin, Ill.
S. A. Anderson, Buffalo, N. Y.
A. A. Arnold, Chicago.
Chas. D. Ball, Holmesburg, Pa.
Lemuel Ball estate, Philadelphia.
W. W. Barnard Co., Chicago.
Bassett & Washburn, Chicago.
L. Baumann & Co., Chicago.
H. Bayersdorfer & Co., Philadelphia.
Arthur T. Boddington, New York.
Botanical Decorating Co., Chicago.
Brecht Co., St. Louis, Mo.
H. N. Bruns, Chicago.
B'rling'n W. Ware Shops, B'rling'n.
P. L. Carbone, Boston, Mass.
John Lewis Childs, Floral Park, N. Y.
Arthur Cowee, Berlin, N. Y.
Robert Craig Co., Philadelphia, Pa.
Cushman Gladiolus Co., Sylvania, O.
Detroit Flower Pot Mfy., Detroit.
A. Dietsch & Co., Chicago.
Henry A. Dreer, Inc., Philadelphia.
H. G. Dreyer & Son, Cleveland, O.
Chas. Eble, New Orleans, La.
Elverson Pot. Co., New Brighton, Pa.
Florists' Exchange, New York.
Foley Mfg. Co., Chicago.
Fostoria Glass Co., Chicago.
Geo. M. Garland Co., Des Plaines, Ill.
B. F. Goodrich Rubber Co., Chicago.
Benjamin Hammond, Fishkill, N. Y.
Joseph Heacock Co., Wyncote, Pa.
A. Henderson & Co., Chicago.
Hitchings & Co., Elizabeth, N. J.
Illinois Flower Box Co., Chicago.
Illinois State Florists' Association.
Ionia Pottery Co., Ionia, Mich.
Jackson & Perkins Co., Newark, N. Y.
King Cons. Co., N. Tonawanda, N. Y.
Knight & Struck, New York.
H. W. Koerner, Milwaukee, Wis.
Kroeschell Bros. Co., Chicago.
A. E. Kunder, Goshen, Ind.
Lager & Hurrell, Summit, N. J.
Jacob Lederer, Chicago.
Lemon Oil Co., Baltimore, Md.
Geo. P. Lambert Co., Chicago.
Lion & Co., New York.
Lord & Burnham Co., Irvington, N. Y.
Lord's Plant Box Co., Minneapolis.
N. F. McCarthy & Co., Boston, Mass.
McF'rind Pub. Service, Harrisburg.
W. A. Manda, South Orange, N. J.
Mead & Suydom, East Orange, N. J.
Means & Tracher, Boston, Mass.
Henry F. Michell Co., Philadelphia.
John C. Moninger Co., Chicago.
Morehead Mfg. Co., Detroit, Mich.
National Flower Show Committee.
Frank Oechslein, Chicago.
Pennock-Meehan Co., Philadelphia.
J. A. Peterson, Cincinnati.
F. R. Pierson Co., Tarrytown, N. Y.
Poehlmann Bros. Co., Chicago.
C. C. Pollworth Co., Milwaukee, Wis.
Pulverized Manure Co., Chicago.
Quaker City Mach. Wks., R'chm'd.
Raedlein Basket Co., Chicago.
A. L. Randall Co., Chicago.
Revere Rubber Co., Chelsea, Mass.
M. Rice & Co., Philadelphia, Pa.
Roseville Pottery Co., Zanesville, O.
Schloss Bros., New York.
Wm. Scott Co., Buffalo, N. Y.
Sefton Mfg. Co., Chicago.
St'r'd Pump & Engine Co., Cleveland.
E. E. Stewart, Rives Junction, Mich.
Sup. Mach. & Boiler Wks., Chicago.
J. Thomann & Sons, Rochester, N. Y.
B. Hammond Tracy, Wenham, Mass.
G. E. Travis Co., Henry, Ill.
United Fertilizer Co., Chicago.
Univ. Port. Cement Co., Chicago.
Vaughan's Seed Store, Chicago.
James Vick's Sons, Rochester, N. Y.
Wertheimer Bros., New York.
Geo. Wittbold Co., Chicago.
O. F. Zurn Co., Philadelphia, Pa.

THE AMERICAN FLORIST

1886 TWENTY SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year, Canada \$2.00; Europe and Countries in Postal Union, \$2.50 Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS

Suggestions for plant growers.....	109
—Begonia Gloire de Lorraine.....	109
—Pyrethrums.....	109
—Paper white narcissi.....	109
—Hydrangeas.....	110
—Sweet scented geraniums.....	110
Potash as fertilizer.....	110
The retail trade.....	110
—The square deal.....	110
—Miniature bouquet (illus.).....	110
—Colonial bouquet (illus.).....	110
The carnation.....	111
—When to bloom.....	111
—Carnation breeding.....	111
Some pioneer florists of Minneapolis (illus.).....	112
Coliseum, Chicago (illus.).....	113
Japanese azaleas.....	114
Canadian Horticultural Association.....	115
—Secretary's report.....	115
—Wm. Gammage (portrait).....	115
—Cost of production of florists' stock.....	115
Wheeler Park, Oklahoma City.....	116
St. Louis.....	117
Cincinnati.....	117
Convention exhibitors.....	117
Personal.....	118
Society of American Florists.....	118
Florists' Hall Association.....	118
Chicago.....	122
Chicago Florists' Club.....	126
Philadelphia.....	127
Boston.....	128
Washington.....	128
Detroit.....	128
Huntingdon, Pa.....	129
Cleveland.....	130
New York.....	132
Pittsburg.....	132
New York State Florists' Club.....	132
New York to Chicago.....	132
Buffalo.....	134
Baltimore.....	138
The seed trade.....	140
—The second vice-president.....	140
—Arthur B. Clark (portrait).....	140
—Conditions of invoice.....	140
—South Africa wants seed samples.....	140
Market gardeners.....	144
—Marketing sweet corn.....	144
Chambersburg, Pa.....	144
The nursery trade.....	146
—Boskoop exhibition of roses.....	146
—Restrictions on imported gooseberries.....	146

ST. LOUIS, it is stated, will be a candidate for the next convention.

THE Washington Florists' Club pledged \$200 toward the Smith memorial July 6.

L. E. PARTRIDGE, of Sharp, Partridge & Co., Chicago, says that the glass market remains exceedingly firm and believes that there is less greenhouse glass in stock in the United States today than there has been at any time during the past 10 years. The factories are still closed and are not likely to resume operations until the latter part of October.

Personal.

Geo. Mount and S. W. Mount, of George Mount & Sons, Ltd., Canterbury, England, expect to make a tour of the United States in September.

Geo. M. Geraghty, Toronto, Ont., has been spending a brief vacation with friends at Berwyn, Ill., and returns this week.

J. F. Ammann, of Edwardsville, Ill., is a bull mooser and a delegate to the national progressive convention at Chicago.

Society of American Florists.

TWENTY-EIGHTH ANNUAL CONVENTION.

Even at this date all arrangements are about completed for the entertainment of the visitors to the convention. Every detail for their comfort and enjoyment has been taken care of by some committee. Every one connected with the business in any way is anxious to do something and has done something to help make this the banner convention in the history of the society.

Those that have not been fortunate enough to hear L. W. C. Tuthill talk on advertising have a pleasant surprise awaiting them on Wednesday morning, when he entertains us with his paper, "Advertising: Some Wrongs to Make Right." It has been the privilege of the writer to hear part of the lecture that will be given by Fred C. W. Brown and see many of the subjects he will present with his illustrated lecture on "Floral Designing"; this will be the attractive and interesting feature of Wednesday evening's session.

Bensinger's Bowling Alleys, 29 West Randolph street, where the annual bowling tournament takes place Thursday, are new alleys and arrangements have been made for the comfortable seating of spectators and "rooters." Ravinia Park, the most noted and exclusive resort near Chicago, where the day's entertainment will take place on Friday, is a beautiful place, and at no previous convention has there been such favorable grounds and lawns to carry out the program of outdoor sports and the baseball game. The band concert and grand opera is of the highest quality and the conductor has an international reputation. Luncheon will be served upon the arrival of the party at the park and dinner in the evening. Visitors to the convention should not let anything prevent their being present on this trip, when such elaborate preparations have been made for their pleasure. All of the business sessions of the society will be taken up with important business matters and discussions. Taken all together, it is going to be a busy convention.

Nothing has been left undone for the entertainment of the ladies. Automobile rides, entertainment at the exclusive South Shore Country Club, and

many other attractive and interesting trips have been provided for; and the ladies of Chicago are holding frequent meetings to provide even additional entertainment. At this date many reservations have been made at the different hotels, showing the great interest that is being taken by the florists and representatives of the allied trades in all parts of the country.

The list of exhibitors, published elsewhere, speaks for itself. To avoid confusion and save time at the convention, dues may be sent to the secretary now at the Auditorium Hotel, Chicago, and receipt and 1912 button will be returned immediately. This button has already been sent to those who have paid dues for 1912. Applications for membership may also be sent to the same address and the 1912 button will be returned. Any inquiry regarding hotel accommodations will be turned over to the local hotel committee for a prompt reply. This will be an opportunity to see one of the greatest and most hospitable cities in the world, and if you do not take advantage of it at this time, you will regret not doing so until the end of your days. And if the kind treatment and many courtesies that have been showered upon your secretary since he has been here are a sample of what they intend doing for every visitor, I can only say—come!

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new geranium "Helen Michell" by the Henry F. Michell Co., 518 Market St., Philadelphia, Pa., becomes complete.

July 29, 1912. JOHN YOUNG, Sec'y.

Florists' Hall Association.

The report of the officials of the Florists' Hall Association, for the year ending August 1, 1912, will show that the sum of \$44,155.30 has been paid for glass broken by hail. The year just ended has been one of the most disastrous in the history of the Hall Association, and the efficiency of that organization has again been shown by the prompt settlement of claims, although it has been necessary to use reserve fund securities as collateral to accomplish that purpose. The directors have ordered the twenty-fourth assessment to be levied September 15, 1912, in order to secure funds to repay the moneys so borrowed.

Chicago Hotel Rates.

This list includes all the important hotels easily reached from the place of meeting, with the special rates offered for the convention.

The Hotels	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Bismarck	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone	2.50	3.00 to 5.00		5.00 to 8.00
Brevort	1.50 to 2.50	2.50 to 4.00	3.00 to 4.00	4.00 to 5.00
Congress	2.00 to 3.00	3.50 to 5.00	3.00 to 4.00	5.00 to 7.00
Grand Pacific	1.50	2.00	2.00	3.00
Great Northern	1.50 to 2.00	2.50 to 4.00	2.50 to 3.50	3.50 to 6.00
Kaiserhof	1.00 to 2.00	2.00 to 2.50	2.00 to 3.00	3.00 to 4.00
La Salle	2.00 to 3.00	3.00 to 5.00	3.00 to 5.00	5.00 to 8.00
Lexington	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Majestic	1.50 to 2.00	2.50 to 3.00	2.50 to 3.00	4.00 to 5.00
Morrison	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00
Palmer	1.50 to 2.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Saratoga	1.00 to 2.00	1.50 to 2.50	2.00 to 4.00	3.00 to 5.00
Sherman		2.00 to 4.00		3.00 to 6.00
Southern	1.00 to 1.50	1.50 to 3.00	2.00 to 2.50	2.50 to 4.00
Stratford	1.50	2.00 to 4.00	2.50	3.00 to 6.00
Wellington	1.00 to 1.50	2.00 to 3.00	2.00 to 2.50	4.00 to 5.00
Windsor-Clifton	1.00 to 1.50	2.00	1.50 to 2.50	3.00

Reservations may be made through the chairmen and vice-chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash avenue, Chicago.
T. E. WATERS,
32 East Randolph street, Chicago.

ROBERT NEWCOMB,
31 West Randolph street, Chicago.
WM. LANGHOUT,
31 West Randolph street, Chicago.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. F. Rich, secretary, 300 Massachusetts avenue, Boston.

Chicago, August 20-23, 1912.—Annual meeting and exhibition, Society of American Florists, Coliseum. John Young, secretary, 54 West Twenty-eighth street, New York.

Chicago, August 20-23, 1912.—Annual exhibition, American Gladiolus Society, Coliseum. L. Merton Gage, secretary, Groton, Mass.

Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society. John N. Stockwell, secretary, City hall, Cleveland.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society. James MacDonald, corresponding secretary.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers, Association of America. S. W. Severance, 508 Walker building, Louisville, Ky.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dyringer, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By September 1: German, single, middle age; experience in palms, ferns, bedding plants, forcing stock; good potter. Chicago references. Private or commercial. Chicago preferred. Address, Key 685, American Florist.

Situation Wanted—As working foreman; single, German, strictly sober; good grower of cut flowers and potted plants, good designer, handling help, etc.; state wages in first letter.

Address Key 682, care American Florist.

Help Wanted—A competent grower for general stock on commercial place in Texas. Must be good designer, well up on carnations and Chrysanthemums, not afraid of work, honest and reliable. A good steady position open the 1st of September. Experience seekers and tramps need not apply. Wages \$50.00 per month and room.

THE NUSSBAUMER FLORAL COMPANY,
San Angelo, Texas. ☉

For Sale—One of the best greenhouses in city of 80,000 in central New York; 20,000 feet of glass. Now running at a big profit.

Address, Key 684, care American Florist.

For Sale—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 16x18 D.S.A. hand made glass.

W. H. BARRETT, Adrian, Mich.

For Sale—Within the next 30 days three thousand dollars will buy seven thousand feet of glass; ten-room dwelling. Part cash; if you mean business, write Key 671, care American Florist.

For Sale—Complete file "American Florist"—twenty-seven years—Vols. 1 to 13—13 years inclusive; bound in half Morocco, cloth sides. If you want them make me reasonable offer. Cost me \$46.50.

L. R. KRAMER, Wooster, O.

For Sale—Store and Greenhouses with stock of plants; situated in best part of United States; doing splendid business; wish to sell on account of poor health; good market for vegetable growing. Key 676, care American Florist.

For Sale—"Improved Capitol Boiler." (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. dia; length 80½ in. Bought Nov., 1910, used 5 months. Price \$300 cash.

THE PANA GREENHOUSES, Pana, Ill.

For Sale—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address

MRS. ANNA J. PHARE, Willmar, Minn.

For Sale—Well established greenhouse business; 6000 ft. of glass; good location in St. Paul; easy terms; reason for selling, ill health. Can take possession at once. Address

Key 673, care American Florist.

For Sale—Nursery Plant. High grade small nursery, in middle west, well stocked and equipped, all inside limits city of 2000 population. Buildings cost over \$8,000. Opportunity for two live young men. Account of health owner will make sacrifice for quick sale.

HENRY LAKE SONS CO., Black River Falls, Wis.

For Sale—Large new Hothouse, 30x95 ft., standing on corner lot 100x110 ft., with packing shed 10x30 ft. Now planted English Cucumbers. Water laid on to lot and house. Owner must sell, other business to attend to; \$1,700 for whole concern.

CLINTON NEWMAN, Grover Ave., Jacksonville, Fla.

FOR RENT

I have a place to rent at Bayside, consisting of several greenhouses and other land nearby with good crops of flowers now. Houses ready to be filled with good healthy carnations. House in first class condition, to rent with privilege of buying. Two blocks from Trolley Cars and about 10 minutes walk from Railroad Station. Good water supply. For full particulars, apply at once

CHARLES MILLANG, 57 W. 26th St., New York

Wanted to buy—On easy terms or rent, retail greenhouses, land, cottage. Address

GROWER, 75 Gautier Ave., Jersey City, N. J.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Wanted to Rent—Greenhouse, with stock, near Chicago, for term of years, with privilege of buying; prefer one with some land, in good town or city. Address

"FLORIST,"
P. O. Box 164, Allen, Mich.

Situation Wanted.

In retail or wholesale store; A1 man with good references; ready to go to work; Chicago preferred.

Key 680, care American Florist.

Situation Wanted

A good carnation grower is open for engagement. Chicago or middle west preferred. Address

Key 683, care American Florist.

WANTED!

Experienced Rose and Carnation Growers for our new place just being finished. Houses are 60 by 1000 feet. New and modern. State wages, experience and references and when you can come in your first letter. Steady and good position for reliable men.

J. F. Wilcox & Sons, Council Bluffs, Ia

Wanted

Frank Fischer to correspond with the Chicago Carnation company immediately. Important.

Chicago Carnation Company

30 East Randolph St.,

Chicago

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Wanted At Once.

NURSERY MANAGER

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital.

Address Key 657, care American Florist.

For Sale

British Columbia Florist and Fruit Business, near important town, with twelve acres bearing orchard—ten thousand and feet glass. Eighteen thousand dollars.

BEALBY, Nelson, B. C.

For Sale--At Once

Florist's well-established business near large cemetery, including one acre of land (more adjoining land can be easily acquired); one mile out on electric car line good 9-room dwelling with basement, electric light and heating; two barns; 17,000 feet of glass; well stocked; good reasons for selling.

HENRY GAETHJE,

1607 Second Avenue, Rock Island, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of

JOHN F. HAHN,
1572 Sherman Avenue, Evanston, Ill.

FOR QUICK SALE.

Nearly new greenhouse; cement and pecky cypress, on cedar posts; 58,000 sq. ft. under glass; fully stocked; and equipped with piping and all other tools, pots, and a lot of glass, putty, lead and oil; 5 acres of land; 3 new boilers; Skinner sprinkling system; in good town of 5,000; close to large markets; doing good business. On account of age and poor health must sell at once. This is your chance. Full information on request. Fred A. Gleason, Box 157, Greenville, Mich.

The Annual Meeting of the

Florists' Hail Association
Of America

will be held at the Coliseum, Chicago, Ill., at 9 a. m., August 22, 1912.

JOHN G. ESLER, Secretary

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 18, 1912.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Auditorium Hotel, Michigan avenue and Congress street, Chicago, Wednesday, August 21, 1912, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

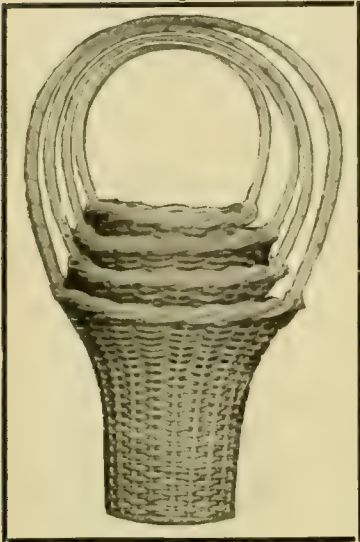
SEE OUR EXHIBIT

—AT THE—

S. A. F. Convention

And visit our salesroom while you are in the city. We are manufacturers and importers of Florists' Baskets and particularly urge you to inspect our line. Finest and largest assortment in the United States. : : : Come and see it.

Take an Elston avenue, Division street, Chicago avenue or Armitage avenue car at State and Randolph and go west as far as Huron street



Raedlein Basket Company

713-717 Milwaukee Ave. Chicago, Ill.

Wichita, Kan.

JULY AN AVERAGE MONTH.
 "An average July" will about size up the business for the month just passed. The volume of business was slightly greater, just enough to cause the florists to feel that it might have been worse. Out-door stuff has a large part in the traffic at present. Sweet peas were hardly a satisfactory crop this season, and are practically done for now. Carnations are out of the running.. Asters and gladioli take their place. They, with roses and the summer lilies, Album and Auratum, nearly complete the list of staples available. They are all good and there seems to be plenty for all demands.

NOTES.

Elwood Kline left Wichita about a year ago for Lawrence, where he took over one of the old established places of that city. He is planning to open a city store in a few weeks. His brother, Norval Kline, has bought the Schurr floral store in Hutchinson.

F. Kuechenmeister has about completed a show house for palms, ferns, etc., that is unique in the fact that the roof is built of alternate sections of shingle roof and rows of glass. From present appearances a hail storm would hardly think it worth while to tackle it.

John Smith, another Wichita boy, is also in Lawrence, and, we are informed, will take over the place of A. Whitcomb, one of the pioneer florists of the state.

The local florists, in common with other tradesmen, are complaining of poor collections, but are anticipating a record-breaking season for next winter.

Miss Tomer and Miss Wilhite, of the store force of W. H. Culp & Co., and Miss Cobb, bookkeeper, will begin their vacations this week.

Chas. P. Mueller is building a Gar-

ATTRACTIVE VACATION TRIPS

Write for a copy of **Wabash Summer Tour Book** outlining many very attractive vacation tours at moderate cost. Among them will be found

New York and return \$27.00
Boston " " 25.60

etc. Let us help you plan your summer outing trip. Address

F. H. TRISTRAM

Asst. Gen. Pass. Agent

68 West Adams Street

CHICAGO

land iron-frame house for mums. He is also adding another boiler, 150 h. p., to the heating plant.

Mr. and Mrs. Ralph Culp will visit in the country, feasting on fried chicken and hunting mosquitoes at the old Culp homestead.

Frank Mueller and Mr. Brackenbury have also tried the "rest cure" during the past two weeks.

Mrs. Chas. P. Mueller and daughter are visiting at Mrs. Mueller's old home, near Buffalo, N. Y.

Vacation time is being moderately observed among the craft.

Frank Cluff is building a house for carnations. W. I. C.

WATERBURY, CONN.—A. S. Nodine is building a greenhouse 18x75 feet.

THE FIRST
CHICAGO CONVENTION
—AND—
The American Florist

**GAVE THE TRADE
NEW LIFE AND VIGOR**

We thank the many friends who have so generously appreciated our efforts, and now solicit their renewed and continued patronage, so that we may aid in the creation of

GREATER PROSPERITY

—FOR—

Florists, Seedsmen and Nurserymen Everywhere

The Convention Number
To Be Issued August 15

WILL SHOW IN ITS ADVERTISING COLUMNS
WHAT THE TRADE HAS TO OFFER IN

EQUIPMENT AND APPLIANCES

Advertising rates are as usual, \$1 per inch, single column width, \$30 per page of 30 inches, with the usual discount on time contracts.

The American Florist
440 S. Dearborn St., CHICAGO

 **The Early Advertisement Gets There.**

Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft**

The above are the best roses at this time of year and we cut them especially tight for hot weather shipments. Buy direct of the grower. We grow all the stock we sell and guarantee it strictly fresh.

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change without notice.

AMERICAN BEAUTIES		Per doz.	CARNATIONS		Per 100
Extra long	.....	\$3.00	Extra long, O. P. BASSETT	.....	\$1.50 to \$2.00
22 to 24-inch	.....	2.00	Extra long, white	.....	1.50 to 2.00
15 to 18-inch	.....	1.50	Fancy pink	.....	1.50 to 2.00
12-inch	.....	1.00	FINE EASTER LILIES		
Short	 per 100, \$4.00 to	6.00	Per dozen	.....	1.25 to 1.50
KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PEELES		Per 100	Per 100	.....	8.00 to 10.00
Extra long select	.....	\$5.00 to \$8.00	LILY OF THE VALLEY		3.00 to 4.00
Medium length	.....	4.00	ASTERS, all colors	.....	1.00 to 3.00
Short	.....	2.00 to 3.00	ASPARAGUS SPRAYS	.....	3.00 to 4.00
			SPRENGERI	.....	2.00 to 3.00
			ADIANTUM	.....	1.00 to 1.50
			GALAX—Bronze and Green per 1,000,	\$1.00	
			NEW FERNS	 per 1,000,	\$1.50

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457

Chicago.

WHITE ROSES VERY SCARCE.

The cool weather of the past week has caused the supply to shorten up considerably and roses of nearly all kinds are very scarce and bringing fancy prices. White roses, especially White Killarney, are very scarce and even the short stemmed stock cleans up quickly at a good figure. Killarney roses are quite plentiful but there is a good demand for fancy stock and Mrs. Aaron Ward roses are in oversupply. American Beauty roses are about as scarce as white roses and are very good property. Good asters are scarce but there is a glut of inferior stock, and sweet peas are rapidly approaching the end. The supply of gladioli is very large and the demand is principally for America and Mrs. Francis King. Orchids are very scarce and \$7.50 per dozen is asked for the best Gaskelliana and \$9 per dozen for gigas. Lily of the valley is very plentiful and the first dahlias of the season arrived this week. The demand for lilies is much larger and Harrisii have advanced considerably in price. Fine snapdragons are arriving in quantity and there is an oversupply in greens. The colored water lilies are still attracting a great deal of attention in the retail windows and a fine showing of the beautiful flowers in white, blue and pink were displayed in one of the retail stores this week. A large quantity of outside stock is being used for window decorations, including Rudbeckia, Golden Glow, feverfew, achillea and large bunches of golden rod. Many of the stores are being repainted and the main topic of conversation on the market is the coming S. A. F. convention. Large banners are seen everywhere and the trade exhibits will be something out of the ordinary and a record breaking attendance is expected.

The Chicago Trade Committee of florists and allied trades are requesting the local employers to close their stores as early as convenient Convention Outing Day, Friday, August 23, so that their employes may have an opportunity to participate.

Out-of-town buyers should time orders so as to reach this city August 23 not later than 8 a. m.

The wholesale florists all cordially invite the visitors to the convention to visit their stores and it would be well for everyone to make a complete trip through the great central market.

NOTES.

J. F. Amman, of Edwardsville, and C. E. Gullett, of Lincoln, are attending the Bull Moose convention here this week. Mr. Amman represents the district that has Madison county for its headquarters and Mr. Gullett is very much interested in the suffrage meeting that is being held in the Fine Arts building. Mrs. C. L. Washburn

is also taking a prominent part in this meeting and her genial husband is seen wearing the "votes for women" button.

A. Lange says that this summer's business is very good and shows about a 10 per cent increase over previous years. He gives advertising a great deal of credit for the splendid showing and is one of the few enterprising retailers who realize the true value of printer's ink. H. A. Stone, head designer at this establishment, says that July was a good month for weddings and even much better than June.

The A. L. Randall Co. is making a great many improvements to its store and when these are completed it will be one of the finest equipped stores in this section of the country. A large ice-box is being installed and Frank Johnson is getting things in shape at the store for convention week.

O. Johnson says that the Batavia Greenhouse Co. has already finished its rose planting in its new range and will soon start planting its carnations. This firm has only been in business for a few years and with its new addition has over 150,000 feet of glass.

Joe Beaver and Chas. Balluff are busy distributing convention advertising and are doing a good job of it, for the market looks as if Ringling Bros.' billposting crew passed through it this week.

N. P. Miller, with Kennicott Bros. Co., has just purchased a five passenger Oldsmobile touring car and will be right on deck with his machine at the S. A. F. convention.

The Geo. M. Garland Co. has just installed a large amount of new machinery in its factory at Des Plaines and now has a very modern shop.

A. I. Simmons, captain of the seventh infantry, was called to Springfield by the request of the governor this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Our Price List of **Florists' Supplies** is Ready for Mailing.

Our line is complete. All new stock. For fall decorations and window displays you will find **oak sprays** naturally prepared, very useful.

Look for Our Display at the Convention.

Ruscus in red, green and tinted shades. Just the thing for basket and window boxes. **Write for special quotations.**

NEW ROSES IN GOOD SUPPLY

Aaron Ward, Bulgaria (Mrs. Taft), Melody, Lady Hillingdon.

ASTERS AND GLADIOLI

LARGE SUPPLY.

LILY OF THE VALLEY

FINE QUALITY.

Plumosus, Smilax and New Ferns.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.		KILLARNEY, Specials		
Specials		\$3.00		Long		\$10.00
30 to 36-inch		2.50		Medium		8.00
24-inch		2.00		Good Short		6.00
18 to 20-inch		1.50				\$3.00 to 4.00
Short stem		per 100 \$4.00 to 8.00		WHITE KILLARNEY, Specials		\$10.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100		Long		8.00
Long		\$8.00 to \$10.00		Medium		6.00
Medium		6.00		Good Short		4.00
Short		\$3.00 to 4.00		ASTERS		\$1.00 to 4.00
MELODY, long		8.00 to 10.00		CARNATIONS, fancy		2.00 to 3.00
Medium		6.00		ORCHIDS, Cattleyas, per doz.		6.00 and up
Short		3.00 to 4.00		EASTER LILIES		12.00
MRS. AARON WARD.				VALLEY		3.00 to 4.00
Fancy Long		\$8.00 to 10.00		DAISIES, field		.75
Medium		6.00		SWEET PEAS		\$0.50 to .75
Short		3.00 to 4.00		ADIANTUM CROWEANUM		1.00
LADY HILLINGDON, long		\$8.00 to 10.00		SMILAX, per doz.		1.50
Medium		6.00		SPRENGERI, PLUMOSUS SPRAYS		\$3.00 to 4.00
Short		3.00 to 4.00		PLUMOSUS STRINGS, extra long and heavy		each .60
RICHMOND, Specials		8.00		PLUMOSUS, strong, long, medium		each .45
Fancy		6.00		FERNS		per 1,000 1.50
Medium		4.00		GALAX		per 1,000 1.25
Good Short		3.00		LEUCOTHOE		per 100 .75

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	16-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.....\$8.00

Good, 15.....6.00
Short.....4.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$1.50
Fancy.....1.25
Good.....1.00

HARRISII.....8.00 to 10.00

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Mention the American Florist when writing

At the Sherman Hotel, August 5, the National Associated Florist Salesman Society was organized as a fraternal order for the development and the progressiveness of the trade. The meeting was called to order by A. F. Longren presiding as temporary chairman and T. E. Waters, Samuel Seligman, C. E. Pruner and several others in attendance. Another meeting will be held on August 17.

The S. Wilks Manufacturing Co. has a large number of hot water greenhouse boilers in stock and is going after the business in grand style this fall. This firm has been manufacturing greenhouse boilers for a great many years and its neatly illustrated catalog and price list will be mailed to any florist upon request.

A. L. Vaughan & Co. are receiving a fine grade of American Beauty roses from Wm. Dittman, the well known grower, of New Castle, Ind. Miss Paradise has returned from an enjoyable outing in Michigan and Miss Pearson and Wm. Johnson are now enjoying their vacations.

Carl Ickes says that the A. Dietsch Co. is enjoying an extremely busy season and that orders are always coming in. M. Miesse, of Lancaster, O., has placed an order for three new houses 30x225 feet and Mrs. Chas. Schafer, of Kankakee an order for a 90 foot plant house.

Bassett & Washburn are getting along very well with work on their greenhouses and everything is going along in tip-top shape. This firm will have a fine place when the range is completed and according to one of the proprietors it will be second to none in this country.

A. C. Kohlbrand, with the E. C. Ameling Co., is back from a fishing trip

at Torch Lake, Mich., with the report that the fishing was very poor and that he did not even get acquainted with very many members of the finny tribe.

Miss Nelda Wolf, Zech & Mann's efficient bookkeeper, is visiting friends in Indiana, and Fred Ottenbacher, Z. & M.'s old reliable standby is spending his vacation with James Novac, the rose specialist, at Wietorville, Kenmore.

A. Henderson & Co. have just received a carload of Formosa lily bulbs and a carload of French bulbs is expected to arrive at any moment. A large shipment of sphagnum moss has arrived and is now being distributed.

Samuel Seligman, Wertheimer Bros.' "Sprinkleproof Sam," is in the city this week and reports taking big orders for his firm's new crepon chiffon which is very likely to outrival the famous Sprinkleproof brand.

R. A. Smythe, of Benton Harbor, Mich., is attending the Progressive convention in this city this week. He is a candidate for state senator in the seventh district of the Wolverine state on the Bull Moose ticket.

Poehlmann Bros. Co. is enjoying a very busy season and is having a good call for roses of all kinds. The supply department is also very busy and a full line of everything is now on their list.

John Huebner, Joseph Foerster, George Asmus, Ernest Farley and Wm. Wolf will be in the team that will represent this city at the S. A. F. convention bowling tournament.

Joseph Pfeffer, bookkeeper for Wieland & Risch, is back from his vacation.

Fred Lautenschlager, Kroeschell Bros. Co.'s boiler man, is pretty busy

these days with convention matters and is always on the job early and late.

Leonard DeLair, brother-in-law to W. E. Lynch and formerly employed at E. H. Hunt's, died of typhoid fever at Park Ridge, Sunday, August 4.

George Washington Flowers Leveson, better known as Little George, the flower boy, and wife are back from a visit at South Haven, Mich.

A meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, next Thursday, August 15.

The E. C. Ameling Co. is painting the interior of its store, and John Michelson and his able force are all ready for a banner fall.

John Kruchten and George Gobel returned on Sunday, August 4, from a most enjoyable fishing trip at Big Sand Lake, Wis.

Fred Stielow, of Niles Center, is shipping some very fine gladioli to the Chicago Flower Growers' Association's store.

The Geo. Wittbold Co. is rebuilding one of its greenhouses on Buckingham Place with Dietsch material.

Mrs. Ennis, of the Wisconsin Floral Co., Milwaukee, Wis., was a visitor to the market on August 5.

Wolfe, the Florist, of Waco, Texas, was in the city on business and pleasure combined this week.

The Des Plaines Floral Co. will grow one house of single violets this fall.

A. Miller returned on August 1 from a business trip to Minnesota.

Miss Martha Gunterberg is vacationing at Fairmount, Minn.

Max Cohn, with J. H. McNelly, is away on his vacation.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

NEW CROP OF BEAUTIES

And Other Roses. Fine Stock for Shipping Orders.

Send Your Orders Direct to the Grower and They Will Be Well Taken Care of

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.			
Extra long stems.....		\$3 00	Mrs Aaron Ward	Select	\$8 00
36 inch stems.....		2 50		Medium	6 00
30 inch stems.....		2 00		Short	\$4 00 to 5 00
24 inch stems.....		1 50	Sunrise.....	Select	\$6 00
20 inch stems.....		1 25		Medium	5 00
15 inch stems.....		1 00		Short	4 00
12 inch stems.....		75	Roses, our selection.....		3 00
Short Beauties		50	Carnations		1 50 to 2 00
Richmond	Select	\$8 00	Harrisii		per doz. 1 50
Killarney.....	Medium	\$5 00 to 6 00	Valley		3 00 to 4 00
White Killarney	Short	4 00	Asters		1 00 to 2 00
My Maryland,...			Peonies		per doz. 50 to 75
			Adiantum		1 00
			Asparagus, per bunch.....		50
			Ferns, per 1,000		2 00

LARGE STOCK OF ALL SEASONABLE FLOWERS

Including a Good Supply of Beauties

Some of Our Specialties

ASTERS, \$1.50, \$2.00 and \$3.00 per 100.

Augusta Gladiolus, fancy \$4.00 per 100 Mrs. Francis King and America, \$5 to \$6 per 100

Valley, - \$3.00 to \$4.00 per 100 Roses, - - - \$3.00 to \$8.00 per 100

Sweet Peas, - - - 40c to 75c per 100.

Harrisii, - - - \$8.00 to \$10.00 per 100.

Fancy Ferns, best in Chicago, \$1.25 per 1000.

Mexican Ivy, - 75c per 100; \$6.00 per 1000.

We want a few new live buyers.

Write for special prices.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.

(NOT INC.)

PHONES { Central 2571
Automatic 48-734

CHICAGO

Wilder S. Deamud took his first degree in Masonry on Friday, August 2, in the lodge that his grandfather, H. H. Wilder, was master of before Mr. Deamud's parents were married. His father, the genial J. B. Deamud, had the honor of being the first to receive his son when he was admitted to the lodge.

Edgar Winterson is back from a visit with friends at Alton and Indianapolis and is again attending to his duties at Winterson's seed store. Louis Winterson is now enjoying a well-earned rest at Blue Field, Ky.

Wietor Bros. are all through plant-

ing carnations and have a nice surplus of field grown plants. This firm extends a cordial invitation to all visitors to the S. A. F. convention to inspect their greenhouses in Kenmore while they are in the city.

W. P. Kyle says that business is very good at Kyle & Foerster's store and that the receipts for July were very satisfactory.

Hoerber Bros. have had very good success growing gladioli this year and are now showing some very fine stock at their store.

Mrs. Arthur C. Lang says that business was very good this summer and

that July was a banner month for funeral work.

Miss Nettie Parker, the Chicago Carnation Co.'s popular stenographer, has returned from a most enjoyable vacation.

Frank Kral says that business is very good and that he is filling a large number of funeral orders.

Erne & Klingel are featuring a fine line of greens, particularly adiantum and smilax.

E. Bollinger, of Lake Forest, is back from a business trip to Milwaukee.

W. W. Randall is back from a very successful 7,000 mile business trip.

INVITATION

Visiting Florists during Convention Week, or any other time, when in Chicago, are cordially invited to make themselves at home at our place of business, where their mail can be addressed with the assurance that same will receive the utmost care until called for.

We are centrally located on all direct and connecting lines with the Coliseum, where the Convention will be held. Our place is large, cool, airy and commodious, and we will try to make you feel at home while here.

Chicago is noted for the home of the Flower Industry, and you are invited to make your home with us. **EVERYBODY WELCOME.**

Located between Michigan and Wabash Avenues,
directly opposite Chicago's Great Public Library.

J. A. BUDLONG

Established 1880

Wholesale Grower and Shipper of Cut Flowers

82-86 East Randolph Street,

CHICAGO

The Chicago Flower Growers' Association is filling a large number of orders for fine Killarney and White Killarney roses from stock shipped in from the Wellworth Farm greenhouses. A meeting of the directors and stockholders of the association was held August 7 at 3 p. m., when much important business was transacted.

Poehlmann Bros. Co. received a telegram this week from F. C. Vrecek, of the Fulton Market Flower Shop, Columbus, O., that his only daughter was buried August 3, and the sympathy of the trade is extended by his many friends in the city.

Thos. Franks, of Champaign, Ill., stopped in Chicago on his way home from a trip to the Pacific coast. He was a month on the way. He thinks the northwest a fine country and found grand opportunities there for young men.

The Superior Machine & Boiler Works has just sold a No. 00 to A. H. Burt of Kankakee. Mr. Pontious says that he expects to book a couple of more orders before the convention is over.

J. A. Budlong's lily of the valley is of fine quality and the magnificent long stemmed stock, well clothed in luxuriant foliage and heavily laden with large bells, is meeting with very good sale.

Tim Matchen says that business continues to be good at Peter Reinberg's store and that White Killarney and American Beauty roses clean up well.

C. M. Dickerson is back with his company of boy scouts and is now busy with convention matters. Welcome, General.

Eric Johnson has returned from Sister Lakes, Mich., and is again on the job at the A. L. Randall Co.'s store.

Vaughan's Seed Store is showing some fine blooms daily of named fancy gladiolus in many kinds, both imported and American seedlings.

Fred Liebermann and wife, who are playing on the Bloomer Girls' baseball nine, are back from a western tour.

The veteran, John G. Heintz, and family, came in by automobile from Terre Haute, Ind.

William Jaap, of Duluth, Minn., is here looking for building material.

Arthur Huebner is spending his vacation at Fort Atchison, Wis.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant, August 1. Vice-President Robertson in the chair. President Foley was in attendance but could only remain a short time to report for the entertainment committee as he was called out of town on urgent business. Various other convention committees reported progress, showing all arrangements for the coming meeting of the Society of American Florists to be in a very satisfactory condition. Chairman Rudd of the committee on by-laws revision again read the new code, which was adopted. The club's quartet, consisting of Geo. Asmus, E. F. Winterson, Chas. Balluff and Chas. McKellar, which is in training for the coming convention, rendered a number of selections in their famous old-time style. The quartet was warmly received and although many moons have come and gone since the last public appearance, showed no diminution of style or finish in their rendition. The following new members were elected: L. P. Miller, 84 East Jackson boulevard, N. P. Brunke, 84 East Jackson boulevard. The next meeting will be held at the same time and place, August 15.

BEST TRAINS BETWEEN ST. LOUIS AND CHICAGO VIA C. & E. I.

Chicago and Eastern Illinois R. R.

The Official Route to the
Convention of American
Florists at Chicago.

A Few of the C. & E. I.'s Unequalled Advantages:

LaSalle Street Station in the heart of Chicago.

Lounge-Grill Car Service.

Free Combination Club and Chair Car Service De Luxe.

Official Mail Route.

Restful Sleep.

Fewer Stops.

Locomotives Unequalled for Power and Speed.

Less Noise.

Observation-Buffer-Library Cars.

W. H. RICHARDSON
GENERAL PASSENGER AGENT
Chicago, Ill.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

A Cordial Invitation

is extended to the trade to make our store their headquarters while they are in the city. We are fitting out the second floor of our store for the convenience of the visitors to the S. A. F. convention, and we assure you that we would be pleased to have you with us during convention week.

CURRENT PRICE LIST:

	Grade	A	B	C	D	E	F	G
Beauties.....	per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....	per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....		8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....		8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....		8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....		8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....		8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....		8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....		4.00	3.00	2.00	1.00			
Carnations.....		3.00	2.00	1.50	1.00			
Easter Lilies.....		10.00	8.00	6.00				
Orchids, Cattleyas.....		50.00	40.00					
Lily of the Valley.....		4.00	3.00					
Sweet Peas.....		1.00	.75	.50				
Peonies.....		5.00	4.00	3.00				
Daisies.....		1.00	.75					
Auratum Lilies.....		8.00	6.00					
Glad oli.....		6.00	4.00	3.00				
Asparagus Plumosus Sprays..		4.00	3.00					
Asparagus Sprenger Sprays..		4.00	3.00	2.00				
Smilax.....		20.00	15.00					
Adiantums.....		1.00	.75					
Galax, Green or Bronze.....	per 1000	1.00						
Ferns.....		2.00	1.50					

Send Your Orders for Summer Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Philadelphia.

DEMAND BELOW AVERAGE.

The month of August has entered very coolly, so to speak, with snow falling in some parts of the state, but not here. Still the glass marked 51 degrees recently. The demand was a trifle better the last week, which, however, is not saying much, as it was still a trifle below the average. There is not much bother about business anyway. All those who can get away are out of town for a period or on week-end trips, and many of the growers are not sending in except on orders. Kaiserin and White Killarneys are not seen at all or so poor as to be almost worthless. The designers are put to it to get enough to supply even the meager demand which once in a while is quite important, however. Pink roses are often substituted and Mrs. Taft, which appears to be a good summer rose, also has a place. American Beauties are scarce, the imported stock being all sold often before it arrives. Valley and Easter lilies are a great help. There are quantities of asters—nothing very great as yet, but still some very fair stock is seen. Hydrangea paniculata has arrived and will be a staple for the next month. Rarely fine gladioli are seen in most of the stocks. There has been great improvement in this flower in the past

five years, some of the newer white sorts supplying grace and beauty to design and decorative work better than any other flower at this season.

NOTES.

The August meeting of the club was rather poorly attended, many of the members being on their vacations. The best routes to Chicago and the hotels of the convention city were discussed. After hearing reports of Geo. W. Watson and John Westcott on railroads it was decided to go with the Washington and Baltimore clubs. At the next meeting the Chicago convention will be discussed from every standpoint.

Eleventh street is again to the fore. George Craig has ordered an autocar, one of the best, which will be due early in September. Robert Cromford, his neighbor, was the pioneer with the motor car. His was an electric purchased years ago when they were somewhat of an experiment. After a year's time he gave it up and went back to horses.

In the wholesale markets there is the usual morning hustle and then it is all over for the day, except for a call over the phone. The Pennock-Meehan Co. closes during August at 5 p. m. Asters and gladioli are taking up the table space these days. Good gardenias and valley in quantity are also seen.

Robert Gaul was married to Miss Mabel G. Field Wednesday, July 31. Mr. Gaul is one of the Pennock-Meehan force. Artist Thompson, of the same force, made the shower bunch of valley and white roses, a very dainty affair.

The Jos. Heacock Co. has closed its city office for this month and is now resting the roses for the fall campaign. They still have orchids, as their large stock of cattleyas enables them to cut a few at all seasons.

The Berger Market offers splendid asters and Easter lilies. They have secured some important new consignors and are laying plans for a large increase in business for the coming season.

The Leo Niessen Co. is very strong on asters, handling immense quantities daily. Amerca Gladiolus, a little above the average, is a summer leader here. Edward Fancourt is busily engaged in getting out the firm's new catalogue which will be the last word in a book of this kind.

Edward Reid has gone on a southern trip, but will be back in time for the convention. K.

MERIDEN, CONN.—A. N. Pierson offers a reward for the arrest of Salafatore Barone who assaulted Antone Olsen, foreman of a rose section of the Pierson establishment, with an iron bar.

**We Invite Every Florist and Horticulturist Attending the
Convention to Visit Our Display of**

FLOWER BOXES

**AT THE
COLISEUM, CHICAGO**

Aug. 20, 21, 22, 23, 1912

SPACE LOCATION E 48

A SOUVENIR AWAITS YOU

THE SEFTON MFG. CO.

CHICAGO, ILL.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

Large Supply

**Fancy Asters
and Gladioli**

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

**Wholesale Cut Flowers
and Greens**

Gardenias a Specialty

A Trial Order Solicited

North Shore Horticultural Society.

The annual summer exhibition of the North Shore Horticultural Society, of Lake Forest, Ill., was held August 3. The exhibition was a success in every way and was well attended. Those who carried off the honors in some of the various classes were as follows:

Vegetables—Best display on table: D. M. Cummings (K. Lofing, gardener), first; J. F. Swift (G. Koppenhoefer, supt.), second; Cyrus H. McCormick (E. Orpet, supt.), third. General display: B. L. Smith (Albert H. Reuphe, supt.), first; Wm. O. Lindley (Max Fischon, gardener), second. Sweepstakes: Louis F. Swift, first; A. M. Day (O. Urdahl, supt.), second; Wm. O. Lindley, third.

There were about ninety classes in the flower division. Among the first prize winners were H. C. Taylor, W. O. Lindley, Mrs. C. H. McCormick, Mrs. Frank Farwell, Mrs. Moos and others.

Boston.

ASTER SEASON STARTS.

There is still a little business, though the general run of the goods coming in is not up to the standard. Considering everything, however, we cannot expect anything better. Roses have not improved much and carnations are walking the plank. Asters are begin-

ning to come in. They have dropped in price and increased in quantity. Mums have made their appearance, Golden Glow is seen, and considering the earliness of the season there are some fairly good ones.

NOTES.

Dunn and Bradstreet both report good business prospects, better than a year ago, and the crop prospects are so that they expect a banner year. We hope they are right.

Vacations are the general rule yet, and those returning come refreshed and ready for another strenuous season.

Daniel Welch arrived from Europe Tuesday, July 30, having made a six week's trip. He looks well. MAC.

Washington.

The outing committee of the Florists' Club decides this week when and where to hold the field day, as there are a lot of prizes that the committee is desirous of giving for events that could not be run off on account of the bad weather at the last outing.

The regular monthly meeting of the Florists' Club on August 6 will be ladies' night, as President Richard Vincent, Jr., of the S. A. F., will give an interesting lecture and stereopticon views of his visit to the International Flower Show in London.

The first chrysanthemums of the season have made their appearance in the store of Mrs. Freeman. Also some good Melody and My Maryland roses, which are about the best that has been seen on the local market for some time.

Harry Jones, formerly of Washington, but now of Philadelphia, was quietly married August 1 to Miss Frances Orth, of Baltimore.

From all reports the delegation to the convention from this city will be small. Of course some of the old guard will be on hand.

W. E. McKissick, Washington manager of the S. S. Pennock-Meehan Co., left August 5 for a month's vacation at Atlantic City.

W. W. Kimmell is enjoying a few days' fishing at Blackston Island.

Visitors: L. F. Fletcher, of the S. A. Weller Co., Zanesville, O.; Charles Edgar, Philadelphia. G. C. D.

Detroit.

CLUB ELECTS OFFICERS.

The annual election of the Detroit Florists' Club was held Monday evening, August 5, resulting as follows: Jerome K. Stock, president; Michael Bloy, vice-president; Hugo Schroeter, secretary; Robt. Rahaley, treasurer. The president-elect is young and aggressive and his popularity as president is already assured. He will be ably assisted by Vice-President Bloy, who has previously served the club in a similar

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

George Reinberg
Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

capacity and always "makes good." The valuable services of Hugo Schroeter as secretary were again recognized by his re-election the fourth time. Robt. Rahaley as custodian of the club's funds has for several years demonstrated his fitness for that office and his unanimous re-election resulted as in the case of the popular secretary.

NOTES.

State Vice-President E. A. Scribner, of the S. A. F., made a vigorous appeal to the members to join the National Society and attend the convention in Chicago. It developed that a party of about twenty-five will attend from here.

The club will hold its annual summer outing next week. A committee was appointed to take charge of the affair and the date and place will be known by notices mailed by the secretary.

The sympathy of the trade is extended to E. O. Feters, whose brother died last week.

J. F. S.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Aug. 7.	Per doz.
Roses, Beauty, specials.....	3 50@ 4 00
.. 36-in.....	3 00
.. 30-in.....	2 50
.. 24-in.....	2 00
.. 15-20-in.....	1 25@ 1 50
.. 12-in.....	75@ 1 00
.. Short.....	4 00@ 8 00
.. Killarney.....	3 00@10 00
.. White Killarney.....	3 00@10 00
.. Richmond.....	3 00@10 00
.. Prince de Bulgarie.....	3 00@10 00
.. Radiance.....	3 00@10 00
.. Mrs. Aaron Ward.....	3 00@10 00
.. My Maryland.....	3 00@10 00
.. Melody.....	3 00@10 00
.. Bride.....	3 00@10 00
.. Bridesmaid.....	3 00@10 00
.. Mrs. Jardine.....	3 00@10 00
.. Kaiserin Augusta Victoria.....	3 00@10 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 3 00
Cattleyas, per doz., 6 00@7 50@9 00	
Daisies.....	75
Feverfew..... per bunch, 35@ 50	
Gardenias.....	3 00
Gladioli..... per doz., 75@ 1 00	
Lilium Harrisli..... per doz., 1 50 8 00@10 00	
Marguerites.....	1 00@ 1 50
Stocks fancy..... per doz., 50@ 1 00	
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.	1 50
Galax.....	1 25
Leucothoe.....	75
Plumous String..... each,	60
Smilax..... per doz., 1 50@2 00	
Sprenger, Plumous Sprays.....	3 00@ 4 00

Huntingdon, Pa.

This is a fine little city of seven thousand or more inhabitants and there seems to be an opening for a good grower. Mrs. J. S. Seal, who owns the Huntingdon greenhouses, which comprise 14,000 square feet of glass, would make favorable arrangements with a capable and industrious grower.

Hake & Peterman have a retail store here which is conducted by Mr. Hake, Mr. Peterman having other interests at Altoona.

John G. Simpson varies the monotony of selling seeds and farm supplies by doing some farming on his own account.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

Wholesale Florists

160 N. Wabash Ave., CHICAGO

PHONES } Central 3155
Automatic 44-389

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Percy Jones

56 E. Randolph St., CHICAGO



Field Grown Carnation Plants

Mrs. C. W. Ward, White Perfection, Winsor, R. P. Enchantress, White Enchantress, Queen Enchantress, Alma Ward, Beacon, Dorothy Gordon, Bountiful, Victory, Wenonah.

Our plants are ready for shipment now, and we exercise special care to send out only healthy stock. Let us figure on your requirement; according to quantity ordered we will quote you the lowest market price.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT,

Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Cleveland.

STOCK INCREASING.

The past week has been about the same as the week previous, as far as business is concerned, but stock of all kinds and varieties has increased considerably. Asters are now very plentiful with a wide range of prices, short stem and smaller flowers going for from "a song" to 50 cents a 100, better grades at \$1.50 a 100, and the best about \$2, buyers' choice. The cool weather has improved the carnations somewhat, some very fair stock coming in for this time of the year. Easter lilies are very plentiful, with but a limited demand. Water lilies are selling fairly well, but the season for these flowers will soon be over. A few dahlias, the advance guard of a large army to come, arrived in Cleveland on Saturday. Roses are becoming a bit more plentiful and the Killarney in particular is of very good color. A. Ward roses are again arriving, cut from new stock. Adiantum fern is a drug on the market, in fact, nearly all kinds of green goods move rather slowly. Valley, stock, is a trifle scarce.

Wholesale Flower Markets

BUFFALO, Aug. 7.		Per 100
Roses, Beauty, special.	20	00@25 00
" " fancy	15	00@20 00
" " extra	12	00@15 00
" " No. 1.	6	00@10 00
" " No. 2.	2	00@4 00
Maid and Bride.	3	00@6 00
Pink Killarney.	3	00@6 00
White Killarney.	3	00@6 00
Richmond.	3	00@8 00
My Maryland.	3	00@6 00
Kaiserin.	3	00@8 00
Carnot.	3	00@7 00
Carnations.	1	00@1 50
Cornflowers.	5	per bu., 50@2 00
Asters.	50	@2 00
Gladioli.	3	00@5 00
Lilium Longiflorum.	7	00@10 00
Lily of the Valley.	3	00@4 00
Pink Japan Lily.	3	00@4 00
Swainsona.	50	@1 00
Sweet Peas.	40	@6c
Adiantum Croomianum.	75	@1 50
Asparagus, per bunch.	35	@50
Asparagus, Sprengerii.	35	@50
Ferns.	per 1000,	\$1 50
Galax.	per 1000,	\$1 50
Smilax.		15 00

BOSTON, Aug. 7.		Per 100
Roses, Beauty, best.	20	00@25 00
" " medium.	12	00@20 00
" " culls.	1	00@2 00
" " Bride, Bridesmaid.	2	00@6 00
" " Killarney and Richmond.	2	00@8 00
" " My Maryland.	2	00@8 00
" " Carnot.	6	00@12 00
Carnations, select.	1	00@2 00
Callas.	8	00@12 00
Cattleyas.	35	@50 00
Gardenias.	6	00@12 00
Lilium Longiflorum.	4	00@8 00
Lily of the Valley.	2	00@4 00
Mignonette.	3	00@6 00
Sweet Peas.	25	@75
Smilax.	12	00@16 00
Snapdragon.	6	00@8 00

ST. LOUIS, Aug. 7.		Per 100.
Roses, Beauty, short stems.	3	00@6 00
" " Killarney.	2	00@4 00
" " My Maryland.	3	00@5 00
" " White Killarney.	2	00@6 00
Asters.	2	00@4 00
Easter Lilies.	6	00@8 00
Gladioli.	2	00@3 00
Valley.	3	00@4 00
Asparagus Sprengerii.	2	00@3 00
Asparagus Plumosus, per bu.	35	@60
Ferns, New, Fancy.		1 50



Give Us a Trial
We Can Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

CINCINNATI, Aug. 7.		
Roses, Beauty.	per doz., 50c	@3 00
" " Bride, Bridesmaid.		2 00@8 00
" " Killarney.		2 00@8 00
" " My Maryland.		2 00@8 00
" " Perle.		2 00@8 00
" " Richmond.		2 00@8 00
" " Taft.		2 00@8 00
Asters.		1 00@3 00
Lilium Auratum.		8 00@12 50
Lilium Giganteum.		8 00@10 00
Gladioli.		2 00@4 00
Lily of the Valley.		3 00@4 00
Adiantum.		1 00
Asparagus Plumosus.	per bunch,	25
Asparagus Sprengerii.	per bunch,	25

C.C. POLLWORTH CO.

MILWAUKEE'S
LEADING PLANT,
CUT FLOWER AND
FLORIST SUPPLY
HOUSE.

HOLTON & HUNKEL CO.

462 Milwaukee St., MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

WM. C. SMITH
Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

NOTES.

The Ohio Horticultural Society of this city, which intends to stimulate an interest in amateur floral culture, was incorporated yesterday at Columbus. The incorporators are Wm. G. Mather, John N. Stockwell, Jr., A. F. Holden, Joseph Foster, Jr., and John Body. The society will not be conducted for profit. A show is to be held this fall and if there are enough entries one of the armories will be used. The society will number among its members amateurs in the plant and flower growing line, but professional florists will not be eligible. Professional florists will, however, be invited to compete for prizes at the flower shows.

The powder mill near the Harvard and Denison avenue bridge blew up July 23, doing considerable damage to nearby windows. C. B. Wilhelmy, whose store and greenhouses are located about one and one-half miles from the scene of the explosion, had a large plate glass window in his store blown in, besides about 200 small glass in his greenhouses and two large show windows. The large plate glass window in Mrs. Jos. Nosek's store on Broadway was also demolished.

Carl Whitthuhn spent a week's vacation at the firm's greenhouses on Schaaf Road, South Brooklyn. He is back again feeling much better after a short rest.

The Florists' Club picnic will take place Wednesday, August 14, at Puritas Springs Park. The ball game and other sports will be a feature as usual.

C. B.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Aug. 7.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	1 00@ 2 00
Asters.....	2 00@ 3 00
Daisies.....	50@ 1 00
Gladioli.....	2 00@ 4 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	50
Swainsona.....	per bunch, 25
Asparagus.....	per string, 50
" Sprenger, per bunch, 35	
Ferns, Fancy.....	per 1000, 1 50
Galax.....	per 1000, 1 50
Smilax.....	per doz., 2 00

PITTSBURGH, Aug. 7.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@25 00
" No. 1.....	6 00@10 00
" Bride, Bridesmaid.....	2 00@ 4 00
" Chateau.....	2 00@ 4 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	2 00@ 4 00
" Richmond.....	2 00@ 4 00
Cattleyas.....	50 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Sweet Peas.....	50
Adiantum.....	1 00
Asparagus Sprenger, per bunch, 35	
" Sprays.....	per bunch, 35

PHILADELPHIA, Aug. 7.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Dahlia.....	2 00@ 3 00
Gardenias.....	per doz., 1 00@2 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snagdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 1 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....	per bunch, 50
Smilax.....	15 00@20 00

INDIO, CALIF.—The state bureau of plant industry has begun work on a greenhouse in the Indio date gardens.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.
Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.
Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies
Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,
1402 Pine St., ST. LOUIS, MO.
Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,
Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO
Mention the American Florist when writing

New York.

ASTERS DOMINATE MARKET.

Conditions are easier in the matter of supply. Asters of very ordinary quality dominate the market, only a small percentage of flowers showing quality. They are cheap, quotations are variable and there is difficulty in disposing of all of them, the bulk moving at very low figures. More of the newer varieties of roses are appearing, mostly low grade stock, with some good Killarneys. My Marylands and American Beauties are more plentiful. Asters fill the void left by the carnations of which there are more than usual at this late date. Harrisii and Valley are still being held at seasonable prices, but the demand is not so brisk as last week. In fact the general demand has dropped off and prices with it. This should occasion no disappointment for we are now in August, the dullest month of the year. Cattleyas are "off and on." The supply is not large but the demand is not constant. Gladioli are now plentiful and cheap.

THE CONVENTION SPECIAL.

Chairman Frank H. Traendly has booked the following for the trip to the convention at Chicago:

F. H. Traendly and wife, W. F. Sheridan and wife, Chas. Weathered and wife, Arthur Buckholz, P. O'Mara and sister, A. L. Miller, Joseph Manda and wife, Chas. Weber and wife, Robert M. Schultz, H. Bunyard and wife, Robert Simpson, Robert Wilson and wife, Robert Koehne, Bert Chadwick, Louis Schumtz, Jr., A. DeMeusy, W. R. Cobb, Henry Hornecker, W. G. Badgley, W. R. Pierson, F. W. Armistage, Leonard Barron, R. E. Berry, Peter Beuerlein, Geo. Blake, Oscar Boehler, John Donaldson, V. S. Dorval, Wm. Eccles, Phil. Einsmann, G. J. Esler and daughter, J. D. Fiesser, A. Hanig, W. F. Kastings, Wm. H. Kueber, Emil Leuly, Frank Manker, S. Masur, M. Matheron, W. E. Maynard, John Meisem, Frank Niquet, J. H. Pepper and wife, John Reimels, Julius Roehre, Jr., Chas. Schenck, Wm. Sefton, W. H. Siebrecht, C. H. Totty, C. C. Trepel, J. Weir, J. R. Lewis, C. W. Scott, A. Kakuda, W. Stewart.

Chairman Traendly wishes it to be distinctly understood that it is not necessary to be a member of the New York Florists' Club or the S. A. F. to go on this special train. Anyone from the east contemplating going to the convention is invited to join the party. Charles Greitner, city passenger agent of the New York Central, will accompany the party to Chicago to see that all arrangements are carried out properly. The transportation committee has all details for the trip arranged. And as the club at its last meeting removed the limit on the cost of refreshments and entertainment, there is no doubt but that every one of the party will be well taken care of. However, it is necessary for all who intend to go with the New York delegation to so inform the committee at once. A vaudeville entertainment by members of the club has been arranged for to provide amusement on the journey.

NOTES.

Charles Vick, of Rochester, and Dr. Earl A. Bates, of Syracuse, were in New York during the week, having an appointment with Park Commissioner Stover to endeavor to get an exhibit from the parks for the state fair at Syracuse, September 9-14.

John Evans, who is the last to return of the party that visited the London International show, was in town Saturday, hurrying home to prepare his exhibit for the convention.

Alex. McConnell is spending his vacation at the Oriental Hotel, Manhattan Beach.

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

P. H. GOODSSELL,
200 Broadway, New York City

J. J. HUNTER W. E. MAYNARD
Supt. of Sales Rooms and Warehouse Mgr. Sales Dept. (Basem't)
157-159 William St., New York

New York State Florists' Club.

The second annual meeting of the New York State Federation of Florists' Clubs will be held at the state fair at Syracuse, Thursday, September 12. Prof. Bartey and other prominent horticulturists will deliver addresses. A large exhibit of flowers and plants will be on display at the fair. Municipal exhibits by the cities of the state will be a feature. The committee in charge is planning to make this display different from the old stereotyped state fair exhibit and to give instead a modern flower show. The main hall will be arranged in conservatory effect. The officers of the Federation are: Wm. F. Kasting, Buffalo, president; Dr. Earl A. Bates, Syracuse, first vice president; Chas. B. Wethered, New York, second vice president; E. R. Fry, Rochester, third vice president; John Young, New York, secretary; W. A. Adams, Buffalo, treasurer. The state fair committee is composed of the following: George E. Thorpe, Syracuse; Wing R. Smith, Syracuse; Arthur Cowee, Berlin; Frank H. Traendly, New York; F. A. Danke, Albany. Chas. H. Wick, W. E. Day and Dr. Earl A. Bates will have charge of the arrangements.

New York to Chicago.

As the time is fast approaching and we are thinking of vacations, stop thinking about them and write to F. H. Traendly of Traendly and Schenck, 131-33 W. Twenty-eighth street, New York, for accommodations on the convention special which will leave Grand Central station, Forty-second street, Monday, Aug. 19, at 10 a. m. en route to Chicago. It is most important for every live florist to attend this convention. Those who are members of the S. A. F. know the advantage they derive by being members and florists that are not members should not miss this opportunity and become a member at once. Come as our guest and let us demonstrate the advantages to you. You will surely be convinced at the knowledge you will derive and will be well repaid for the trip, the meeting with other florists from all parts of the United States and Canada and the great trade exhibition that will eclipse any heretofore held. This is an opportunity that a florist should not let go by as it is as important as any part of our business to keep up with the times. Any further information and application for membership blanks will be gladly furnished and we hope that we may meet a good-sized party August 19 when our New York Florists' Club's special leaves the depot. Mr. Traendly and the committee who have charge of the arrangements en route have left nothing undone to make this the most pleasant trip ever leaving New York for a convention.

A. L. MILLER, State vice-president for Eastern New York.

Pittsburg.

TRADE IS HOPEFUL.

Cheerful and hopeful are the two words that best express the sentiments of the Pittsburg florists at the present time toward the condition of business. Nobody was expecting much business this month and further almost every one was looking forward with fore-

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

bodings of hot weather. It is surprising for this season of the year to see the retailers keep their stores so well stocked up and the natural conclusion is that they must be selling or they would not buy and personal observations confirm this supposition. Saturday, August 3, though very cool, was clear and pleasant, and the streets were crowded with shoppers and the florists seemed to share in the benefits. Roses, carnations, asters, gladioli, phlox, rudbeckias and a miscellaneous lot of other cut flowers and plants are much in evidence, the cut flowers being as good and even better than is generally expected at this season. At a time when it is generally expected that about all the old carnations have been thrown out, it is surprising to see so many on the market of fair quality. Their quality, however, is not so much a cause for comment as the fact that they are here at all. There seems to be a good local supply of gladioli and some shipments are said to have reached here from the Childs farm at Floral Park, N. Y.

NOTES.

The genial E. C. Ludwig, president of the Pittsburg Florists' Club, will attend the Chicago convention and take with him as many friends and associates in the craft as can be persuaded to go. All who have come under the spell of his genial suavity will agree that there is likely to be a merry company. At this writing the following have signified their intention of attending: E. C. Ludwig and Mrs. Ludwig, E. C. Reineman, Fred Burki, William Loew, Edward McCallum and Howard Carney. It is also expected that a number of private gardeners of Pittsburg and vicinity will attend. During the absence of Mr. Ludwig his son De Forest will be in charge of the business.

T. P. Langhaus of the Pittsburg Cut Flower Co. regrets that he cannot attend the convention, but if the cool weather continues business is likely to still further improve and that will be a consolation as he is "all business."

A. W. Smith is another whose presence would greatly add to the transaction of business and the enjoyment of social functions at the convention and it is to be regretted that he does not expect to attend.

Charles Erhardt has the sympathy of the craft on account of the long siege of scarlet fever through which his little daughter has passed; she is now improved.

Harvey C. Sheaff, manager for Mrs. E. A. Williams, is another who should be seen at Chicago, but while this cool weather lasts he is on the lookout for business.

Wm. C. Mohr is now associated in business with Mr. Erhardt in the Allegheny market. He is a bright and capable young man and we wish them success.

Fred Burki now spends most of his time at their extensive range at Gibsonia. Mr. Burki is optimistic regarding the cut flower situation.

Edward McCallum started August 3 for a two weeks' vacation at Chautauqua, N. Y., and other northern points.

G. and J. W. Ludwig are busy and their fine store well stocked with all seasonable flowers.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies

**Charles Millang**

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited.

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing**A. L. YOUNG & CO.**

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.
Wholesale FloristsOur Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway and Sixth Avenue, NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328. 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.**AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago****Wholesale Flower Markets**

	NEW YORK, Aug. 7,	Per 100
Roses, Beauty, special.....	15	00@25 00
" extra and fancy ..	8	00@12 00
" No. 1 and No. 2...	1	00@ 6 00
Bride, Bridesmaid.....	3	00@ 4 00
" extra and fancy.....	5	00@ 2 00
" No. 1 and No. 2.....	3	00@ 5 00
Killarney, My Maryland.....	2	00@ 3 00
" extra and fancy.....	5	00@ 2 00
" No. 1 and No. 2.....	5	00@ 2 00
Taft, Hillingdon, Aaron		50@ 5 00
" Ward.....		50@ 2 00
" Richmond.....		50@ 2 00
Asters.....		50@ 2 00
Carnations.....	20	00@50 00
Cattleyas.....	8	00@15 00
Gardenias.....	4	00@ 8 00
Lilies, Longiflorum and Harrisii...	1	00@ 2 00
Lily of the Valley.....	15	@ 25
Adiantum Croweanum.....		

M. C. FORD

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
Shippers of

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888

1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

List of Members

Atlantic City, N. J., 1505 Pacific Ave.,
Boston, Mass., 342 Boylston St.,
Boston, Mass., 43 Bromfield St.,
Buffalo, N. Y., 304 Main St.,
Chicago, Ill., 2223 W. Madison St.,
Chicago, Ill., 31st and Michigan Ave.,
Chicago, Ill., 22 E. Elm St.
Cincinnati, O., 138 E. 4th St.
Cincinnati, O., 150 E. 4th St.
Cleveland, O., 5523 Euclid Ave.
Colorado Springs, Colo.
Council Bluffs, Ia., 321 Broadway
Danville, Ill.
Dayton, O., 112 S. Main St.
Denver, Colo., 1643 Broadway
Detroit, Mich., 153 Bates St.
Detroit, Mich., Gratiot Ave. and Broadway,

Galesburg, Ill.
Hartford, Conn.
Indianapolis, Ind., 241 Massachusetts Av.,
Kalamazoo, Mich., 141 S. Burdick St.
Kansas City, Mo., 913 Grand Ave.
Kansas City, Mo., 1116 Walnut St.
Louisville, Ky., Masonic Temple,
Louisville, Ky., 550 S. Fourth Ave.
Mankato, Minn.
Mt. Vernon, N. Y., Columbia Ave.

Berke, Geo. H.
Carbone, Philip L.
Penn, Henry
Palmer, W. J. & Son
Schiller, The Florist
Smyth, W. J.
Wienhoeber Co., Ernst
Baer, Julius
Hardesty, T. W. & Co.
Graham, A. & Son
Crump, Frank F.
Wilcox, J. F. & Son
Smith, F. B. & Sons
Heiss Company
Park Floral Co.
Bemb Floral Co., The L.
Breitmeyer's Sons, John
Pillsbury, I. L.
Coombs, John F.
Von Bochove & Bros.
Murray, Samuel
Rock, W. L. Flower Co.
Baumer, August R.
Schulz, Jacob
Windmiller Co., The
Dummett, Arthur

Newark, O.
New London, Conn.
New York, N. Y., Madison Ave. and 44th St.
New York, N. Y., 423-427 Fifth Ave.
New York, N. Y., 1163 Broadway
Northampton, Mass.
Norwich, Conn.
Oklahoma City, Okla.
Parkersburg, W. Va.
Paterson, N. J.
Philadelphia, Pa., 1514 Chestnut St.
Portland, Ore., 325 Morrison St.
Poughkeepsie, N. Y.
Rochester, N. Y., 25 Clinton Ave.
Rockford, Ill.
Scranton, Pa.
Seattle, Wash., 1534 Second Ave.
Spokane, Wash., 817 Riverside Ave.
Springfield, Mass., 378 Main St.
St. Louis, Mo., 7th and Washington Ave.
St. Louis, Mo., 7041 Florissant Ave.
St. Paul, Minn., 24 W. 5th St.
Terre Haute, Ind., 139 S. 7th St.
Toledo, O., 336 Superior
Washington, D. C., 1214 F St. N. W.
Washington, D. C., 14th and G St.
Wichita, Kans., 145 N. Main St.

Duerr, Chas. A.
"Reuters"
Dards, Chas. A.
Siebrecht & Son
Small, J. H. & Sons
Field, H. W.
"Reuters"
Stiles Co., The
Dudley & Sons, J. W.
Sceery, Edward
Pennock Bros.
Tonseth Floral Co.
The Saltford Flower Shop
Keller & Sons
Buckbee, H. W.
Clark, G. R.
Hollywood Gardens
Hoyt Bros. Co.
Aitken, Mark
Grimm & Gorly
Meinhardt, Fred. A.
Holm & Olson
Heinl, John G. & Son
Freeman, Mrs. J. B.
Gude Bros. Co.
Small, J. H. & Sons
Mueller, Chas. P.

Buffalo.

TRADE STILL DULL.

Continued cool weather has not been beneficial to some of the out-door flowers, and with rain it has had a bad effect. Trade has been about as quiet as at any time this summer. Those who are or have been on vacations from the different stores can easily be spared now. Roses show some improvement in quality. Kaiserin and Carnot are very fine. Some good My Marylands are to be had. Another week will see gladioli in good supply.

NOTES.

The Buffalo contingent are all talking convention. From pictures that the writer has seen it will be well worth the time. To see the pictures that F. C. W. Brown, of Buffalo, is going to use in connection with his lecture on "Floral Arrangements" will be worth the trip. His coloring is especially good.

Again the matrimonial bee has been hovering around the floral stores, and one of the Beau Brummels in the business has fallen a victim to the charms of one of Buffalo's popular young ladies. The engagement is announced of Robert A. Scott and Miss Helen Grass. September will be the month. Congratulations.

The marriage of Miss Anne T. Lindsay, who has been with S. A. Anderson for several years as bookkeeper, occurred Tuesday. The lucky man was P. J. Hampton, of Bradentown, Fla. After an extended wedding trip they will return to their home at Bradentown.

Henry Krauss and Harry Ast have returned from Cramer Villa at Conesus Lake.

J. Benson Stafford has a very beautiful window decoration for summer.

Miss Edna Goehring, of Anderson's, is sojourning at Angola.

Visitors: Theo. Tryer, Boston, Mass.; S. A. Frost, of Toronto, Ont., Can.

BISON.

MANCHESTER, MASS.—Israel Barnes will remove the Jesse Pierce nursery from Beverly Farms to this place.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Lencothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported, Green and Bronze, Basket, \$2.25; 6 baskets \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of quality and quantity.

E. FRIEDL, Phillips, Wis.

Waynesboro, Pa.

Jacob Frick, Jr., was busy planting carnations and his stock is exceptionally fine. It is not many years since Mr. Frick took up carnation culture, but he has certainly made a success of it.

Henry Eichols has a large stock of Princess Charming and Christmas Cheer carnations. He also has a variety of seedlings.

L. C. Happle of Wayne Heights has also a good stock and has no complaint to make with the trade.

A. C. Butterbaugh shows a good stock of carnations. He expects to erect a new rose house next season.

CARLISLE, PA.—W. O. Smith, who succeeded the Carlisle Nurseries, is busy getting his benches in shape for carnation planting. He has 30,000 square feet of glass, and in addition to a large area of carnations, grows roses, chrysanthemums and a good general stock suitable for retail trade.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Lencothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN,

ALA.

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet

MOSSES
E. A. BEAVEN, Evergreen, Ala

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heini & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

80 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

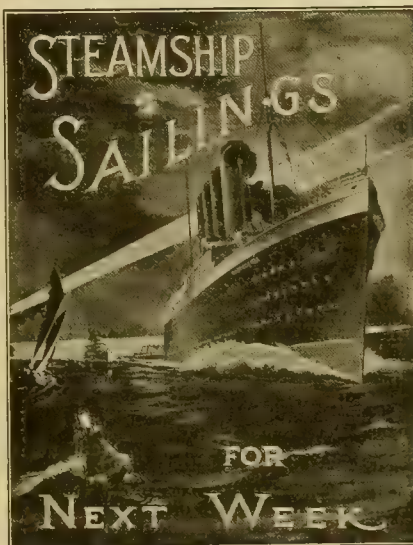
Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
628 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

August 11.

FROM MONTREAL, Lake Erie, Allan.

August 13.

FROM BOSTON, Cymric, White Star, 10 a. m.
Rotterdam, Holland-America, 10 a. m.
Friedrich der Grosse, North Ger. Lloyd, 10 a. m.
Campania, Cunard.

August 14.

FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 10 a. m.

August 15.

FROM MONTREAL AND QUEBEC, Lake Manitoba, Can.-Pacif.
La Lorraine, French, 10 a. m.
Celtic, White Star, 12 noon.
FROM BOSTON, Canopic, White Star, 12 noon.
Amerika, Ham.-Amer., 11 a. m.
United States, Scand.-Amer., 2 p. m.

August 16.

FROM MONTREAL, Victorian, Allan.
FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.

August 17.

FROM MONTREAL AND QUEBEC, Grampian, Allan.
Cameronia, Anchor, 12 noon.
FROM MONTREAL, Ansonia, Cunard.
Chicago, French.
New York, American, 9:30 a. m.
FROM PHILADELPHIA, Haverford, American, 10 a. m.
Finland, Red Star, 10 a. m.
FROM MONTREAL AND QUEBEC, Laurentic, White Star-Dom., at daylight.
Pennsylvania, Ham.-Amer.
Canada, Fabre, 3 p. m.
FROM MONTREAL, Saturnia, Donaldson, at daybreak.
Oruba, Royal Mail, Pier 42, North River.
Koenig Albert, North Ger. Lloyd, 11 a. m.

August 18.

FROM MONTREAL, Siellian, Allan.

August 20.

Moltke, Ham.-Amer., 11 a. m.
Potsdam, Holland-America, 10 a. m.
Kronprinz Wilhelm, North Ger.-Lloyd, 10 a. m.
Mauretania, Cunard.

Alexander McConnell,

611 Fifth Ave., cor. 49th Street.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamship or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the heart of NEW YORK
And give special attention to steamer and theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Denver, Colo.

THE BOLDT-LUNDY FLOWER SHOP

614 16th Street.

ORDERS SOLICITED.

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Brettmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crumpp, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 98 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. B., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heint & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J., & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Omaha, Neb.

Hess & Swoboda FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1582

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

M. C. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph St.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive St.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 69 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.
Write. Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS, Will fill your orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Mention the American Florist when writing

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street,

CHICAGO.

Max Schling

NEW YORK

No. 22 West 59th Street

Adjoining Plaza Hotel

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Baltimore.

ASTERS MANY, BUT POOR.

Cool weather still prevails in this section. Severe storms in western Maryland have done great damage there. The hail seems to have been very severe, though we have not received accounts of glass loss as we did last year. Fruit trees and foliage trees and all vegetation suffered. Carnations are still coming in. Roses are scarce and sell readily. Asters are coming in in abundance, especially pink and white varieties, but they are not perfect flowers. The later ones coming on promise to be better. Gladioli, some varieties, sell well. The off colored ones are poor sellers, however. Some pale pink shades look very much like azaleas and those sell very well.

NOTES.

Mr. and Mrs. Wm. Johnston and family met with quite an accident while touring near their summer home in New York state. In some manner control was lost over the automobile and it rushed down a steep embankment into a lake. Fortunately this stopped the progress of the machine and probably saved their lives. None were injured, although they were badly shaken up.

Mrs. Sarah J. Fowler, widow of the late Wm. Fowler, passed away August 2. Mr. and Mrs. Fowler for years lived at Clifton Park, the home of the late Johns Hopkins. He was one of the old pioneer gardeners and florists and had full charge of the greenhouses and the park at this beautiful place.

F. Bauer, I. H. Moss and T. C. Stevenson ran over to Philadelphia last week. They visited the large rose range of Geo. Morrison at Roslyn, Pa., and also the Dreer trial grounds at Riverton, N. J.

We noticed lilies from Hamilton's greenhouses at Mt. Washington, Philadelphia; also from Webber's, Philadelphia.

The retail stores have been busy for the past month but are feeling the mid-summer quiet in their business. B.

Allentown, Pa.

Horn Bros. have recently been making a fine display of gladioli and other stocks, grown at their own greenhouses. Their store at 20 North Sixth street is always attractive. It is under the management of Chas. Horn. John F. Horn manages their extensive greenhouses at Ritterville.

Chas. F. Beckmeyer is now conducting the store formerly known as the Ellsworth Flower Shop. He is an experienced man in the retail business.

The Johnson Estate, formerly a nursery, has gone on the real estate market and is being cut up into city lots.

Business has been rather slow but the florists are looking forward to a good season.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Mention the American Florist when writing

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

Mention the American Florist when writing

WITTBOLD'S

New Display Rooms. 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones: Randolph 4708. Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Poughkeepsie, N. Y.

"The Saltford Flower Store"

Vassar College and Bennett School.

Rockford, Ill.

H. W. Buckbee

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsterniana—Made up				
Pot	Leaves	In. high.	Each	Cedar tub	Plants	In. high.	Each	Doz.
2½-in.	4	8 to 10	\$ 1 50	7-in.	4	36	\$ 2 50	\$30 00
3-in.	5	12	2 00	7-in.	4	36 to 40	3 00	36 00
4-in.	5	15	4 00	9-in.	4	40 to 42	4 00	48 00
5-in.	6 to 7	18	50	9-in.	4	42 to 48	5 00	60 00
6-in.	6 to 7	24	1 00	9-in.	4	48 to 54	6 00	
Cedar tub	Leaves	In. high.	Each	9-in.	4	5 ft.	7 50	
7-in.	6 to 7	34 to 36	2 50	12-in.	4	5½ to 6½ ft.	15 00	
9-in.	6 to 7	40 to 45	4 00					
9-in.	6 to 7	42 to 48	5 00	Pot				Each
9-in.	6 to 7	48 to 54	6 00	5-in., nicely characterized				\$1 00
9-in.	6 to 7	5 ft.	8 00	6-in., 18 to 20-in. spread				1 50
9-in.	6 to 7	6 to 7 ft.	10 00	Cedar tub	High	Spread		Each
				7-in.	18-in.	24-in.		\$2 00
Cocos Weddelliana				Phoenix Roebelenii				
Pot	In. high		Per 100					Each
2½-in.	8 to 10		\$10 00					
Areca Lutescens				Cibotium Schlegelii				
in.	Several	5 ft.	\$7 50	Cedar tub	Spread			Each
				9-in.	4 feet			\$3 00
				9-in.	5 feet			5 00
				9-in.	6 feet			6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station,
Jenkintown.

Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$10.00 per 1000; Poltevine at \$12.50 per 1000. These prices hold good only until Oct 1st.

Plumosus

My Plumosus has been right for the past fifteen years—it is better than ever now, the price is \$2.50 per 100, in any quantity wanted.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

POINSETTIAS

August Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.
352 N. Michigan Ave., CHICAGO.

ROSES We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin. Variegated and Green.

Vincas, Rooted Cuttings and 3-inch. Bostons, Asp. Sprenger, Plumosus, Ferns, Maidenhair, Roosevelt, Whitman and small ferns.

Special price on large plants of Whitman and Bostons. Ask for same.
GEO. A. KUHL, Pekin, Ill.

CARNATIONS

Field Grown Plants

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them **All Value**—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$6.00	\$55.00	Pink Enchantress	\$6.00	\$50.00
Bonfire	6.00	55.00	Victory	6.00	50.00
Princess Charming	6.00	50.00	Winsor	5.00	40.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

DesPlainesFloral Co
Carnations.

Des Plaines, Illinois

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE INDIANA.

The Early Advertisement Gets There

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

SOME of the California growers are offering surplus carrot seed.

THE onion set harvest is now on at Chicago. Rains have made the run large in size. The crop is a good one.

CHICAGO. Prices on the Board of Trade, August 7, for grass seed were noted as follows: Timothy, \$4.50 to \$6 per 100 pounds.

CARMINE FARAONE MENNELLA, seedsman at Torre del Greco, Italy, succeeds the late Vincent Postiglione of Naples, who died some months ago.

ENKhuizen, HOLLAND.—Visitors here July 15 were Lester L. Morse, San Francisco, Calif.; Howard M. Earl and wife, Philadelphia, Pa.; Carl Cropp, Chicago.

A LEADING California Seed Grower reports July 27, probable deliveries in full of most seeds, excepting sweet peas. Of these they expect to deliver only 20 to 25 per cent.

ADVANCE crop reports from Holland show estimated deliveries as low as 25 per cent on cabbage, 5 to 10 per cent on turnip, 25 per cent on beet, 20 per cent on celery and 20 per cent on parsley.

VISITED CHICAGO: S. F. Willard, of Comstock, Ferre & Co., Wetherfield, Conn.; H. G. Winheim, of the Nebraska Seed Co., Omaha, Neb.; F. R. Cooper, representing F. Cooper, Ltd., Wellington, N. Z.

ARTHUR L. DEAL, representing W. W. Johnson & Son, Ltd., Boston, England, is now calling on his firm's American customers, with mail address at the Imperial hotel, Broadway and Thirty-second street, New York.

HANSVON DIPPE and Carl Esche, of Quedlinburg, Germany, are touring the United States completing a trip around the world. Besides looking over the horticultural interests of the various countries they also took in other points of interest. In America they visited both the Yosemite and Yellowstone national parks. They have been greatly interested in the sugar beet industry in this country.

CONSUL WILBERT L. BONNEY, of San Luis Potosi, Mexico, states that there is some demand for cactus seeds and plants from European cities for ornamental purposes, and also for medicinal purposes. Shipments from San Luis Potosi to continental Europe have arrived in good condition, and it is said that some of the plants that can be had for a few cents in Mexico bring fancy prices in the cities of northern Europe.—Daily Consular and Trade Reports.

The Second Vice-President.

Arthur B. Clark, newly elected second vice-president of the American Seed Trade Association, is inclined to be reticent when asked to speak about his own achievements and modestly contents himself with a bare statement of meager facts. Mr. Clark, who is president of the Everett B. Clark Seed Co., with the main office in Milford, Conn., and branches in Michigan and Wisconsin, is proud of the fact that he is a Connecticut Yankee. He is a graduate of Yale and has been in the seed business ten years. The Everett B. Clark Seed Co. is one of the country's responsible business houses and its seed growing operations extend from coast to coast. In addition to his connection with the seed trade Mr. Clark is also president of the Milford Trust Co.



Arthur B. Clark.

Second Vice-President American Seed Trade Association.

Conditions of Invoice.

The Donaghpatrick Co-operative Society, Ltd., versus Ashbourne Agricultural Society.

From the statement of the counsel, it appeared that the plaintiffs had ordered a quantity of red chaff white wheat from the defendant company for three customers. It was the habit of the plaintiffs to receive orders from farmers, and the defendants supplied the seeds direct. All the other orders were executed satisfactorily and gave rise to no complaint, but in the case of three customers it was alleged that they had not been supplied with red chaff wheat ordered, but with an in-

ferior article called white chaff white wheat. The wheat was supplied in 1907, and in 1908 these three customers sued the Donaghpatrick Co-operative Society for damages, and decrees were made in the County Court, Judge Curran, in their favor for sums of £3 10s, £6 4s, and £2 13s 4d, respectively. An appeal was made to the judge at assizes in one case, and the decision was affirmed. The present proceedings were taken by the Donaghpatrick Society against the Agricultural Company to compel them to indemnify the plaintiffs for the amount of the decrees and the costs. The whole question practically turned on whether the conditions printed on the face of the invoice which was sent with the goods protected the sellers from any action in respect of the goods once the latter accepted. The invoice set out that—"We guarantee our seeds to be pure, as far as they can be tested by an expert analyst. If professional analysis does not confirm our guarantee, we will take back the seeds if immediately returned and pay all costs of carriage. After the seeds have been sold we cannot accept responsibility for the produce beyond the above guarantee; we give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds we send out. If purchaser does not accept the seeds on these conditions they are at once to be returned."

Several witnesses having been examined to show that the seed when it grew up was not of the nature ordered, the Recorder made a decree for the sum of £20 10s 7d, with costs, and £3 10s witnesses expenses.—The Horticultural Advertiser.

South Africa Wants Seed Samples.

An American consul reports that a resident of South Africa would like to procure samples of the following seed for experimental growth: Mesquit grass, blue grass, red or white clover, supra corn, and pop corn. The report states that inasmuch as a constantly increasing quantity and variety of seed are being imported it would appear to be a good business proposition to induce large planters as well as seedsmen to give a fair trial to such American seeds as are adaptable to the climate and soil of that region.—Daily Consular and Trade Reports.

Congressional Seed Distribution.

The bill now presented has been considerably altered from preceding bills to meet the contentions of the nurserymen, among important changes are: To the several states are left the responsibility of inspection at destination of imported stock and the cleaning up and disinfection of local quarantine districts and the appointment of the Federal Horticultural Board in more in the manner advocated by the nurserymen.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

**VICK QUALITY
SEEDS
PLANTS
BULBS**

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS
Seedsmen,
Rochester, N. Y.

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building. PHILADELPHIA, PA.

Oklahoma Seed Growers' Co.

Contract Growers of
Watermelon and Muskmelon Seeds
For the Wholesale Trade only
Enid, - - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.
CONTRACT SEED GROWERS,
Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.
Fremont, - Nebraska

J. Bolgiano & Son

Wholesale Field and Garden Seeds.
Established 1818. Write for our low prices.
Light, Pratt and
Kilcott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.
Sweet Pea and Nasturtium Specialists
Wholesale Growers of full list of
FLOWER and GARDEN SEEDS

Godfrey Callas

2½-inch, strong,.....\$4.00 per 100; \$35.00 per 1000
Cash with order from unknown correspondents.
PATTEN & CO.,
Tewksbury, Mass.

Lawn Grass Seed

WHOLESALE ONLY.
J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.
CARPINTERIA, CALIF.
Mention the American Florist when writing

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.

ADDRESS DIRECT

DAVY, - Arpajon (\$&O), France

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage
Order Now

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California
Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed.....25c
1 oz.\$2.25

Price list on application. Cash with order.

TOMATO SEED

Best Stocks. All Varieties.
THE HAVEN SEED CO.
Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.
Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.
EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM
LANDRETH
SEEDS which SUCCEED
Bloomsdale Farm. **Bristol, Pa.**

California CALLA Bulbs

Place your order in time to secure your wants in this stock.
Callas are still scarce and the quantity is limited.
Write for prices on Dutch Bulbs.
M. M. CARROLL, Norwood (Cinti.), O.

Japanese Lilies
Spec. Album, 9 in.-11 in. per 100..\$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in.-6 in., \$8.00 per 1000.
WEEBER & DON Seed Merchants and Growers.
114 Chambers Street, NEW YORK, N. Y.

CHRYSANTHEMUMS

In order to make room, we offer the following first class stock of Chrysanthemums at the following prices:

White Eaton, Byron, Amorita, Intensity,
Pacific Supreme, Shrimpton, Pockett's Crimson,

From Soil,
\$1.25 per 100; \$10.00 per 1000.

Crocus, Halliday and Byron,
From Sand, \$1.25 per 100; \$10.00 per 1000.

Linwood Hall, Pockett's Crimson and Crocus,
From 2 1/2-in. pots, \$2.00 per 100; \$15.00 per 1000.

J. D. THOMPSON CARNATION CO., Carnation Specialists. **Joliet, Ill.**

POINSETTIAS

Extra strong 2 1/2-in. pot plants.

Shipped in paper pots, \$6.00 per 100, \$50.00 per 1000.

CHINESE PRIMROSES

Very best strain, 2 1/2-in. pots, \$3 per 100, \$25 per 1000.

Asparagus Plumosus, for planting out, extra heavy 3-in., \$6.00 per 100; \$55.00 per 1000.
500 at 1000 rate.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

Petris Wimsetti	Pteris Adiantoides
Petris Wilson	Pteris Wimsetti Multiceps
or Nobilis	Pteris Serrulata Variegata
Pteris Mayii	Cristata
Pteris Hastata	Pteris Cretica Albo-Lineata
Pteris Magnifica	Cyrtomium Falcatum
Pteris Serrulata	Aspidium Tsussimense

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

McHUTCHISON & CO.

17 Murray Street, NEW YORK.

Grafted White Killarney

3 1/2 and 4-inch pots, choice young stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office Greenhouses
131 N. Wabash Av. Hinsdale,
Chicago, Ill. Ill.

Field-Grown Carnations

Limestone land. No stem rot.

10,000 R. P. Enchantress, 7,000 Enchantress
3,000 Dorothy Gordon, 1,000 Victory,
\$6.00 per 100; \$55.00 per 1000.

2,000 White Wonder, 300 Gloriosa,

\$8.00 per 100; \$75.00 per 1000.

6,000 White Enchantress,

\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.

W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio



"The Kenilworth Strain" of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3 1/2 to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention.

1912 SEEDS NOW READY

2000 seeds, 5 c; 5000 seeds, \$1.00;
1/4 ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435

Pansies in Separate Colors.

	1000 seeds
Giant Adonis, beautiful light blue.....	25c
Giant Emperor William, ultramarine blue.....	25c
Giant King of the Blacks, coal black.....	25c
Giant Lord Beaconsfield, violet shading to white.....	25c
Giant Golden Queen, yellow.....	25c
Giant Golden Yellow, with dark center.....	25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors.....	25c
Giant White, very fine.....	25c
Giant White, with large violet center.....	25c
Giant Red, a fine mixture of red shades.....	25c
Giant Royal Purple, fine large flower.....	25c
Giant Orchid Flowering, rare shades.....	25c
Giant Bronze and Copper Shades.....	25c
Giant Light Blue, delicate shades of blue.....	25c

Giant Dark Blue, deep blue shades.....25c
Giant Zebra Mixed Shades, striped.....25c
The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

Mention the American Florist when writing

Extra Fine, Healthy Stock.

FIELD GROWN CARNATIONS

White and pink, enchantress and white perfection, \$6.00 per hundred; \$55.00 thousand. Victory, Beacon, Sangamon, Winsor & Lawson, \$5.00 per hundred, \$45.00 per thousand. Cash with order.

SAVANNA GREENHOUSE CO.

SAVANNA, ILL.

A. N. Pierson, Inc.

Wholesale Florists
CROMWELL, - CONN.



Telegraph Code
Am. Seed Trade Association

— \$2.00 —

Either stiff or flexible covers. Address orders.
American Florist Co., Chicago.

Paper Whites Grandiflora

Per 1000
Fancy (1250 bulbs to case).....\$ 8.50
Star Brand (1000 bulbs to case) 11.00

Freesias True Purity

Mammoth, 3 1/2-in. and up.....\$25.00
Extra Size, 1/2 to 3/4-in.....20.00
First Size, 3/8 to 1/2-in.....17.50

Vaughan's White Seedling

Pure White Per 100 Per 1000
long stem variety...\$2.00 \$15.00

Lilium Harrisii

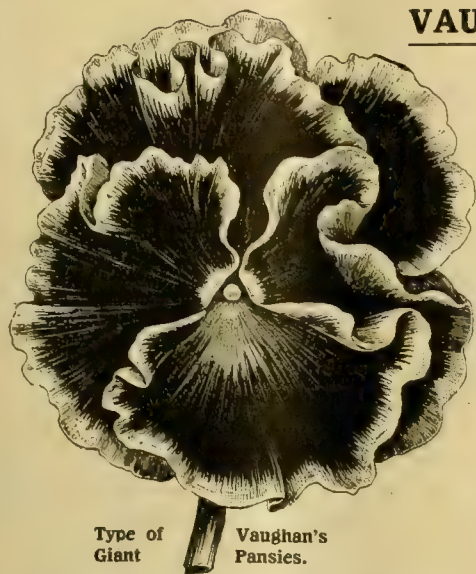
Per 1000
5-7-inch (400 bulbs to case).....\$35.00
6-7 inch (335 bulbs to case).....55.00

Send in Your Supply Orders, Moss and Fertilizers Orders to go Along and Save Freight.

Vaughan's Seed Store,

CHICAGO. NEW YORK.

Mention the American Florist when writing



VAUGHAN'S "GIANT MIXTURE."

Embraces besides all the separate shades and colors five special strains not listed elsewhere, and which can only be had in this and our International mixture. This mixture includes the richest reds, coppers and bronzes together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

"International Mixture."

The World's Best.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ¼ oz., \$5.00; oz., \$10.00.

"Cut Flower Mixture."

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00; oz., \$8.00.

GIANT PANSIES—Named Sorts.

	Trade Pkt.	½ oz.	Oz.
Masterpiece , new Giant curled	\$0.25	\$0.60	\$4.00
Yellow , immense flowers with dark eye	.10	.20	1.00
White , very large, with violet eye	.10	.20	1.00
Beaconsfield , light lavender and deep purple	.10	.20	1.00

CALCEOLARIA.

Vaughan's Extra Choice Mixture. Composed of the choicest selection of tigered, marbled, spotted and variegated varieties. Trade pkt. (1000 seeds), 50c; 3 trade pkts. for \$1.40.

CINERARIA.

Vaughan's Columbian Mixture. Made up by our selves of choicest English, French and German strains; unsurpassed in variety of colors, size, shape and substance of flowers and perfect habit of plant. Trade pkt. (500 seeds), 50c; 3 trade pkts., \$1.40.

PRIMULA.

Vaughan's International Primula Mixture. Composed of most salable colors of single flowering Chinese Primulas, the best whites, pinks and reds, with a sprinkling of other colors for variety, the most important shades predominating. Pkt. of 350 seeds, 50c; per 1-16 oz., \$4.00.

Our List of "Seeds for Summer Sowing" Now Ready. Write for a Copy.

31-33 W. Randolph St., CHICAGO, **VAUGHAN'S SEED STORE,** 25 Barclay St. NEW YORK.

	Trade Pkt.	½ oz.	Oz.
Golden Queen , clear golden yellow	\$0.10	\$0.20	\$1.30
Mme. Perret , lovely shades of pink and rose	.10	.25	1.50
Aurora , pure white, without blotches	.10	.20	1.00
Black , large true black	.10	.20	1.00

Asparagus Hatcherii.

The New Variety.

Our trials of this at Western Springs justify us in endorsing it as the coming decorative plant. Our prices for the new crop seed:

100 Seeds	\$1.50	500 Seeds	\$ 5.25
250 Seeds	2.85	1000 Seeds	10.00

English Giants.

NINE NAMED SORTS.—Prices: 100 seeds, \$1.00; 1000 seeds, \$8.00 net.

German Giants.

FIVE NAMED KINDS.—Prices: 100 seeds, 65c; 1000 seeds, \$5.00.

EXTRA CHOICE MIXED.—Per 100 seeds, 50c; 250 seeds, \$1.15; 1000 seeds, \$4.50; 5,000 seeds, \$20.00.

Orchid Giants.

FIVE NAMED SORTS.—Prices: 100 seeds, 85c; 1000 seeds, \$7.00.

GIANT ORCHID-FLOWERED CYCLAMEN in choicest mixture, 100 seeds, 80c; 1000 seeds, \$6.50.

New Seed

Vaughan's

Pansy

Seed

for Florists

Has Held

First

Place

in the

Trade

for over

20

Years

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Asparagus Plumosus, 2½ inch pots, \$3.00 per 100.

Asparagus Sprengeri, 2½ inch pots, \$2.00 per 100.

Stevias, tall and variegated, inch pots, \$2.00 per 100.

Ferns, Scottii and Whitmani, 4 inch pots, \$2.00 per dozen.

Clematis Paniculata, strong plants, 4½ inch pots, \$10.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracacna Ind. 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

DAHLIAS

The best New and Standard varieties
Send for Wholesale Price List.

BASSETT & WELLER
HAMMONTON, N. J.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Marketing Sweet Corn.

In our section of the country sweet corn occupies a very important position as a market garden or truck crop. We believe it has first place in acreage and value of crop. While potatoes are more important, these are shipped in from all directions, while the sweet corn is strictly a home product. In spite of all this importance the corn is marketed in the poorest shape of all vegetables, in striking contrast to tomatoes, for instance. One could buy hundreds of bushels of tomatoes, each tomato of which has been selected, wiped with a cloth and carefully packed, and at times for a ridiculously low price. The same is true of bunched onions. These onions are skinned, washed spotlessly clean and tied and packed at a price of, say, three dozen bunches for 25 cents, while the corn is pulled and dumped into any old wagon and sold for what it will bring regardless of maturity, worminess or other defects.

One large buyer states that his firm loses money on corn, no matter what the price, simply because the waste is enormous and the annoyance out of proportion to receipts. He is glad every season when the corn is all gone. Ever since we placed corn on the market we have pursued a different policy—not only guaranteeing each and every ear but keeping all inferior ears at home and feeding it to our live stock. All our corn is either pulled early in the morning or late in the day to get it cool; it is at once crated in the field, strawberry and orange crates being used. The crating prevents heating in bulk, which is a serious damage to quality. The corn is drawn to a shed, where each ear is examined and slightly opened with a knife. Every inferior ear is dumped out. Very often the prevalent corn worm can be removed without blemish or the blemish cut out; if not, the ear is discarded. The ears are again crated and counted, each crate holding 5 or 6 dozen, according to variety.

This sorting and counting relieves the salesman, as he knows at all times how many dozen are on his wagon and a sale can be instantly made without counting. Our method has proved so effective that we never have to look for a buyer for our corn, being compelled to constantly refuse orders, and we get from 5 to 10 cents a dozen above market price. Of course it means a lot of work at the farm, but the result is well worth considering. Grocers who receive our corn are relieved from all rehandling—hundreds of dozens are shipped into their order boxes immediately upon the arrival of our wagon, with never a complaint from the consumer. This method of selling has another effect—it makes the producer more careful. We have gradually reduced our waste from about 25 per cent to almost nothing by careful culture and pulling. We

thin and sucker the fields at the right time and raise our own seed. In fact, we have produced our own strains to meet conditions. MARKETMAN.

Chambersburg, Pa

Byer Brothers continue to do a large business in both plants and cut flowers. In addition to their extensive wholesale trade they have a good local business in cut flowers, ferns and bedding plants. They fill large wholesale orders on short notice, carrying an average stock of 200,000 plants of many varieties. Quite a feature is their trade in hollyhocks and pansies, and they are working up a good seed trade.

Fisher Bros., who succeeded to the business of their father, the late Philip Fisher, are improving their range and have good stock, with an increasing local trade.

The greenhouses formerly owned by Wm. B. Reed are now conducted by Geo. Ridgeley.

H. S. Gilbert has a good seed store and seems to be prosperous.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages. 29 Illustrations.

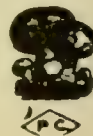
—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

Rochester, N. Y.

Max A. Pawliczek, with E. K. Fry, will spend a month's vacation with his parents on the farm, at Florida, N. Y. He has written the words to a song entitled, "I Would Love to Love a Lovely Girl Like You," which is making a hit in Rochester and surrounding towns. M. M.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn
Mention the American Florist when writing

Winter Onion Sets



Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtium, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs. 350 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Lilium Candidum.

Extra sized bulbs. \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs. 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾-in. and up., \$12.00 per 1000
Extra sized bulbs, ½ to ¾-in., 9.00 per 1000

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.: **Elegantissima**, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 ea.
Clatras, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.

Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each.

Magnifica, **Muscosa**, **Elegantissima Compacta**, 3½-in. pots, 25c each.

Clatras, **Viridissima**, **Bostoniensis**, 3½-in. pots, 15c each.

Small Ferns for Fern Pans, assorted varieties, 24-in., \$3.50 per hundred.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

White Roman Hyacinths.

12-15 cm. bulbs...\$2.50 per 100; \$22.00 per 1000

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs: case lots of 300.

Asparagus Plumosus Manus, 2¼-in. pots, \$4.00 per 100.

FIELD GROWN CARNATIONS

Enchantress, Rose Pink, Victory,
White Enchantress, White Per-
fection, White House,
Lawson, Winsor
and Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

Beacon and Mrs. C. W. Ward.
\$8.00 per 100; \$75.00 per 1,000.

White Wonder.
\$10.00 per 100; \$90.00 per 1,000.

Brooklyn.

\$12.00 per 100; \$100.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

ROSES

Standards, Dwarfs and
Climbers

All the leading and up-to-date
varieties, in strong, field grown
plants, grown in large quantities
for the export trade. Please send
along list of your requirements
to us, and we will quote special
prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Bay Trees and Boxwood.

BOXWOOD.

Standard.	Each	Pair
18-26 in. stem, 18 in. crown.....	\$3.00	\$5.00
Bush.	Each	Doz.
12 in.....	\$0.35	\$3.60
15 in.....	.40	4.50
		30.00

Ampelopsis Veitchii (Japan or Boston Ivy).

Each	Doz.	100
4-inch, pot grown.....	\$0.30	\$3.00
		\$20.00

VAUGHAN'S SEED STORE,
31 W. Randolph St., CHICAGO.

Surplus Roses

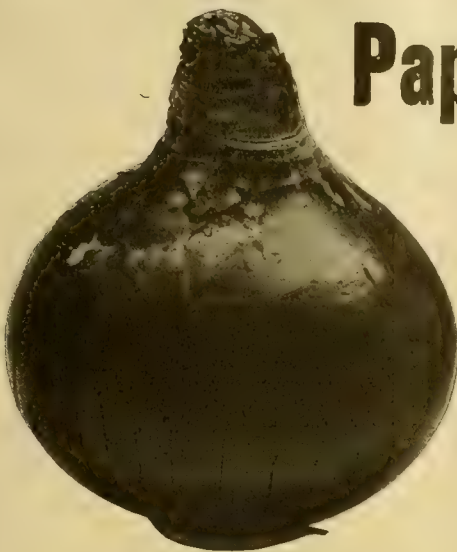
Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD-OHIO.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.



Lilium Harrisii

Per 1000
5-7-in. (400 bulbs to case).....\$35.00

6-7-in. (335 bulbs to case)..... 55.00

Paper Whites

GRANDIFLORA

Per 1000
Fancy, (1950 bulbs to
case)\$ 8.50
Star Brand, (1000 bulbs
to case)..... 11.00

Freesias

Per 1000
Purity Mammoth,
¾-in. and up\$25.00
Purity, extra size, ½-
¾-in..... 20.00
Purity, first size, ¾-
½-in..... 17.50
Vaughan's White Seed-
ling 15.00

In Cold Storage

Lilium Giganteum

7-9-in. (300 to case) per 1000...\$65.00

Valley Pips

London Market.....per 1000...\$15.00
Premium Brand.....per 1000... 13.00

VAUGHAN'S SEED STORE

CHICAGO.

NEW YORK.

ARAUCARIAS OUR SPECIALTY



Araucaria Excelsa.
April, 1911, importation
raised from top
cuttings, 6-7 in. pots, 4
to 5 years old, 5, 6 and
7 tiers, 25, 28, 30, 35, 40
in. high, 75c, \$1.00, \$1.25,
\$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa
Glaucous and Robusta
Compacta, April, 1911,
importation. 6-7 in.
pots, fine bushy plants,
\$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa,
new importation, ar-
rived per steamer Lap-
land, in fine condition.

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4
and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c,
50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches
high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches
high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches
high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches
high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or
made up of 3 plants, 26 to 28 inches high, \$1.00,
\$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3
plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in.
high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large
size in center, three smaller ones around, \$2.00.
Cocos Weddelliana Palms, single, 3-in. pots, 15c,
18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in.,
20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.
Aspidistras, variegated, 6-in. pots, 15c per leaf;
green, 6-in. pots, 10c per leaf. Plants have from
5 good leaves upward to 10 leaves.

Corpheia Australis Palms, 5-in. pots, 20-in. high, 35c.
Ficus Elastica, Belgium or American stock, 5-5½-
in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Shasta Daisies, best white large-flowering hardy
daisy, 2½-in., \$5.00 per 100.

Asters, 5 separate colors, 2½-in., 3c; Crego, white,
pink and rose, 2½-in. pots, \$3.00 per 100.

Primula Obconica Grandiflora, good strain,
assorted, 4-in., \$10.00 per 100. Primula Chinensis,
John F. Rupp strain, assorted, 4-in., \$10.00 per 100.

Begonias Gloire de Lorraine and Lonsdale, pink,
large 4-in., 30c to 35c; Glory of Cincinnati, 4-in.,
40c to 45c.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c;
7-in., 75c.

Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to
6 in., 40c to 50c; 7-in., 75c.

Boston, 8-in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in.,
40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now
full of leaves; 8-9 in. in diameter, only 35c (cheap
at 50c).

We have a big assortment of 2½-in. Dish Ferns
now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates.
All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume,
Golden Heart, Boston Market, Giant Pascal and
Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00
per 1000; \$8.50 per 10000. Grand Rapids Lettuce,
\$1.00 per 1000.

Asters, Early and Late Branching, all colors
separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

ASTERS.

Sample's Branching, best strain in white,
pink and purple, fine plants from field,
\$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100.
\$14.00 per 1000. Primulas, Obconica and Chinese
strong 2½-in., \$2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

BIDDEFORD, ME.—Nicholas Staples, of Kennebunk, was fined \$10 and costs for the alleged selling of nursery stock without a license. He will appeal.

"THE PECAN" is the title of a bulletin by C. A. Reed, recently issued by the Department of Agriculture, Washington, D. C., containing much valuable information on this important nut tree.

The Late Samuel Papointe.

Samuel Papointe, of Monroe, Mich., a well-known nurseryman, died July 26 at the age of 63 years. He had been sick but four days. A widow and six children survive.

Boskoop Exhibition of Roses.

A foreign communication says that in the month of July, 1913, a great exhibition of roses will take place at Boskoop, Holland, by the well-known society "Bursary of Trees and Plants." This society can count on the support of nearly all the inhabitants of Boskoop, since the great exhibition of flowers in 1911 had such an enormous success, although it had been brought about by only 50 persons. Y. H. van Nes, then president of the exhibition, will again, supported by the best forces of the village, accept the presidency, which guarantees a success. Already more than 30,000 pots of roses have been inscribed.

Restrictions on Imported Gooseberries.

In order to prevent the spread of American gooseberry mildew, the English Board of Agriculture has issued an order containing the following provisions: The landing in England or Wales of any gooseberries brought from any place outside Great Britain (except the Channel Islands) is prohibited, except where there is attached to the package in which the fruit is imported a label bearing the words "Imported gooseberries," and stating the name of the consignor and the country and district in which the fruit was produced. The label must not be erased or obliterated, or detached from the package so long as any of the imported gooseberries remain therein.—Daily Consular and Trade Reports.

Newport, Pa.

Mrs. Anna Eshleman, who for quite a number of years has been the only florist here, continues to do a good business, supplying this and neighboring towns with plants, cut flowers and funeral designs. In addition to her neat greenhouse Mrs. Eshleman now has many fine flowers in her garden, phlox and roses being very noticeable.

BRATTLEBORO, VT.—Carl S. Hopkins, one of this town's most successful florists, is building a new greenhouse, 32x100 feet.

SPECIALTIES.

Rosks, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. WILMAMASTOWN JUNC., N. J.

To Exchange

Choice Coniferous Evergreens for Palms, Ferns, Clematis Paniculata seedlings, Hybrid Tea Roses, Chrysanthemums What have you?

The Greening Nursery Co., Monroe, Mich.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

German Iris

San Souci, (Yellow) \$1.50 a 100; \$10.00 a 1000.

Also other kinds. Order now.

September delivery.

Alta Vista Nursery

Davenport, Iowa.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

PRIMROSES

	Per 1000	Per 100
Chinensis and Forbesi, 2 1/4 in. pots	.....	\$2 00
Obconica Grandiflora, Alba and Rosea	.....	2 00
Obconica Gigantea and Kermesina	\$25 00	3 00
Malacoides Giant Baby	18 00	2 00
Asparagus, Plumosus and Sprengeri, 2 1/4 in. pot.	.....	2 00
Pansy Seed, Giant Flowering, oz.	\$4.00	
Pansy Plants, October 1st	\$2.50 per 1000	50

CASH

Jos. H. Cunningham
Delaware, Ohio

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25 00 per 1000.

Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Cineraria Hybrida, \$3.00 per 100; \$25.00 per 1000.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Araucaria Excelsa—Fine Stock. 3 tiers, 10 to 12 inches high, 45c.

3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 14 to 18 inches high, 75c.

Selaginella Emilliana, 2 1/2-inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Dreer's Convention Month Specials



EXCEPTIONAL VALUES IN ARAUCARIAS
in all varieties in the following sizes:

Excelsa.				Each
4-inch pots,	5 to 6 inches high,	2 tiers.....		\$0 30
5 " "	8 to 10 " "	3 " "		40
5 " "	10 to 12 " "	3 " "		60
6 " "	12 to 15 " "	3 to 4 " "		75
6 " "	14 to 16 " "	4 " "		1 00

Excelsa Glauca.

5-inch pots,	8 inches high,	2 tiers.....		75
6 " "	10 to 12 " "	3 " "		1 00
7 " "	13 to 15 " "	4 " "		1 50

Excelsa Robusta Compacta.

5-inch pots,	8 to 10 inches high,	2 tiers.....		75
6 " "	10 to 12 " "	2 " "		1 00
6 " "	12 to 14 " "	3 " "		1 25
7 " "	14 to 16 " "	3 " "		1 50

Excelsa Plumosa.

A comparatively scarce form, almost as compact in habit as Robusta Compacta and of a richer, deeper green color; very desirable.

5-inch pots,	8 inches high,	2 to 3 tiers.....		65
6 " "	10 to 12 " "	3 " "		75
6 " "	13 to 15 " "	3 to 4 " "		1 00

Fern Flats These flats contain about two hundred plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price: \$2 00 per flat in any one of the following varieties: *Aspidium Tsussimedse*, *Cyrtomium Falcatum*, *Cyrtomium Fortunei*, *Polystichum Setosum*, *Pteris Adiantoides*, *Pteris Alba Lineata*, *Pteris Magnifica*, *Pteris Majes* or *Ouvrardi*, *Pteris Wimsetti Multiceps*, *Pteris Wilsoni*.

Samples of the above, as well as a complete line of other Dreer Specials, will be shown at the Chicago Convention, and our staff of salesmen will be present to give full information regarding same.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

THE ABOVE PRICES INTENDED FOR THE TRADE ONLY.

Hat!
Hatch!!
Hatcher!!!
Hatcheri!!!!

This is the New Asparagus and we believe a good one. Order the seed from Vaughan. Price:

100 seeds \$1.50
250 seeds \$2.85 500 seeds \$5.25
1000 seeds \$10.00

Vaughan's Seed Store

Chicago New York

Flower Colors

Use our COLOR CHART in describing them
PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼-in. pots. 1,000 My Maryland, 2¼-in. pots.
2,000 Richmond, 2¼-in. pots.
1,700 White Killarney, 2¼-in. pots. 1,500 Perles, 2¼-in. pots.

The above OWN ROOT stock we offer for immediate delivery at \$5.00 per 100.

RUSH YOUR ORDERS.

J. L. DILLON, Bloomsburg, Pa.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY N. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and *O. Marshallianum*.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 43rd St., BROOKLYN N. Y.

Mention the American Florist when writing

Index to Advertisers.

Advance Co The.	152	155
Alpha Floral Co.	135	
Alta Vista Nursery.	146	
American Importing Co.	148	
American Spaw Co.	148	
Amling E C Co.	129	
Anderson S A.	135	
Andorra Nurseries.	146	
Angermueller G H.	131	
Apbine Mig Co.	154	
Aschmann Godfrey.	145	
Atlanta Floral Co.	137	
Badgley Reidel & Meyer, Inc.	133	
Barrows H H & Son.	147	
Bassett & Washburn.	122	142
Bassett & Weller.	143	
Bayersdorfer H.	148	
Beaven E A.	134	
Berning H G.	131	
Berterman Bros Co.	136	
Bide & Sons S.	145	
Bobbink & Atkins.	146	
Boddington A T.	142	
Bodger J & Sons Co.	141	
Boland J B Co.	135	
Boldt-Lundy Flower Shop, The.	136	
Bolgiano J & Sons.	141	
Bowe M A.	137	
Braslan Seed Grow Co.	140	
Brecht Co The.	IV	
Breitmeyer's J Sons.	136	
Brown Bag Filling Machine Co.	141	
Bruns H N.	141	
Buckbee H W.	138	
Budlong J A.	139	126
Burnett Bros.	11	
Burpee W A & Co.	11	
Caldwell the Woodsman Co.	134	
Camp Conduit Co.	160	
Carroll M M.	141	
Chicago Carn Co.	I	
Chicago Flower Growers Assn.	127	
Chicago House Wrecking Co.	159	
Clark E B Seed Co.	11	
Clark's Sons David.	137	
Cleveland Cut Flower Co.	137	
Conard & Jones.	145	
Cooke Geo H.	135	
Cotsonas Geo & Co.	134	
Cowee W J.	148	
Coy H C Seed Co.	141	
Craig Robt Co.	146	
Critchell C E.	131	
Crumpp Frank F.	136	
Cunningham Jos H.	146	
Daniels & Fisher.	137	
Dards Chas.	136	
Davy.	141	
Deamud J B Co.	129	
DesPlaines Flor Co.	139	
Detroit Flower Pot Mfg.	160	
Dietsch A & Co.	IV	
Diller Caskey & Keen.	156	
Dillon J L.	147	
Dingee & Conard Co.	147	
Dorner F & Sons.	139	
Dreer H A.	147	160
Duerr Chas A.	138	
Dunlop John H.	137	
Dweller-Kaiser Co The.	152	
Eagle Machine Wks.	156	
Edwards Folding Box.	148	
Eisele C.	143	
Elliott W H.	130	
Emmans Geo M.	143	
Erie Floral Co.	I	
Erne & Klingel.	128	
Esperance L Nurs.	146	
Eyres H G.	137	
Fish Henry Seed Co.	141	
Florists' Hail Assn.	119	
Florists Tel. Delv.	134	
Foley Mfg Co.	IV	
Ford M C.	133	
Fottler Fiske, Rawson Co.	II	
Freeman Mrs J B.	136	
Freeman & Sons.	155	
Friedel E.	134	
Froment H E.	133	
Frost Chas.	142	
Galvin Thos F.	137	
Garland G M.	159	
Gasser J M Co.	137	
Geny Bros.	138	
Giblin & Co.	155	
Goodsell P H.	132	
Good & Reese Co.	I	
Gorham & Chapline.	148	
Grand Rapids Flower Co.	137	
Greening Nursery Co.	146	
Growers Cut Flower Co.	133	
Gude Bros.	136	
Gunther Bros.	138	
Habermann Chas.	133	
Hatcher, Florist.	138	
Haven Seed Co The.	141	
Heacock Jos Co.	139	
Heini John & Son.	135	
Henderson A & Co.	139	
Herr Albert M.	139	
Herrmann A.	155	
Hess & Swoboda.	136	
Hews A H & Co.	160	
Hilfinger Bros.	160	
Hines E Lumber Co.	156	
Hitchings & Co.	154	
Hoerber Bros.	129	
Hoffman Flo Artist.	137	
Hoffmeister Flo Co.	130	
Holm & Olson.	136	
Holton & Hunkel Co.	131	
Home Cor School.	143	
Hooker H M Co.	155	
Hunt E H.	158	129
Hurff Edgar F.	141	
Igoe Bros.	148	
Illinois Pipe Mfg Co.	154	
International Heater Co.	156	
Interstate Tob Co.	153	
Isbell S M & Co.	141	
Jackson & Perkins.	146	
Jacobs S & Sons.	159	
Johnson J Oliver.	141	
Johnson WW & Son.	II	
Jones Percy.	129	
Kasting W F Co.	130	
Keller Geo & Sons.	160	
Keller J B & Sons.	138	
Kellogg Geo M.	135	
Kennicott Bros.	128	
Ky Tobacco Product Co.	153	
Kervan Co The.	133	
Kessler W A.	133	
Kift Robt.	137	
King Construction.	156	
Kohr A F.	160	
Kramer I N & Son.	160	
Kroeschel Bros Co.	153	
Kruchten John.	128	
Kuebler Wm.	133	
Kuehn C A.	130	
Kuhl Geo A.	139	
Kyle & Foerster.	129	
LaCrosse Floral Co.	138	
Lager & Hurrell.	I	
Lange A.	135	
Landreth Seed Co.	141	
Lecakes N L & Co.	133	
Lederer John.	158	
Leedle Floral Co.	143	145
Leonard Seed Co.	141	
Lockland Lumber Co.	159	
Lord & Burnham Co.	III	

McCallum Co.	130
McConnell Alex.	135
McCoy L W.	138
McCullough's J M Sons Co.	131
McHutchinson & Co.	142
McKellar Chas W.	127
McKenna P & Son.	137
Mangel.	135
Mastin J G & Co.	158
Masur S.	135
Matthews Florist.	137
May & Co L R.	135
Meconi Paul.	133
Mette Henry.	144
Meyer John C & Co.	152
Michigan Cut Flo Exchange.	134
Millang Chas.	133
Moninger J C Co.	139
Moore Hentz & Nash.	133
Morehead Mfg Co.	138
MtGilead Pottery Co.	136
Munk Floral Co.	136
Murray Samuel.	136
Myers Florist.	139
Nat Flo B of Trade.	139
N Y Cut Flower Ex.	130
Niessen Leo Co.	130
Oechslin Frank.	142
Oklahoma Seed Gro Co.	141
Palethorp P R.	160
Palmer W J & Son.	136
Park Floral Co.	136
Patten & Co.	141
Peacock Dahlia Fms.	146
Pedrick Geo & Son.	11
Pennock-Meehan Co.	133
Penn the Florist.	136
Peters & Reed Poty.	155
Peters F O Co.	155
Piercion A N (Inc).	142
Piercion F R Co.	I 144
Peters & Wheeler Seed Co.	140
Pillsbury I L.	148
Pittsburg Cut Flo Co.	130
Podesta & Baldocchi.	137
Poehlmann Bros Co.	123
Pollworth C C Co.	II 131
Pulverized Manure Co.	154
Quaker City Machine Works.	148
Raedlin Basket Co.	120
Randall A L Co.	129
Rawlings Elmer.	145
Ready Reference.	149
Randolph & Mc Clements.	152
Reed & Keller.	154
Regan Ptg House.	148
Reinberg Geo.	129
Reinberg Peter.	125
Rice Bros.	131
Richardson W H.	126
Robinson J C Seed Co.	II
Rock W L Co.	136
Rohrert Seed Co.	141
Routzahn Seed Co.	141
Rusch G & Co.	131
Saakes O C.	137
Sabransky Jno F.	142
Saltford Flow Shop.	138
Savanna Greenhouse Co.	142
Schiller, the Florist.	138
Schillo Adam.	158
Schlatter W & Son.	148
Schling Max.	138
Schmidt J C.	145
Schultz Jacob.	136
Scott John.	147
Seattle Cut Flo Ex.	131
Setton Mfg Co.	128
Shaffer Geo C.	137
Sheridan W F.	133
Situation & Wants.	119
Skidelsky S S & Co.	141
Smith A W & Co.	137
Smith E D & Co.	154
Smith Henry.	137
Smith F J.	133
Smith Wm C.	131
Smith W & T Co.	147
Stanley Herbert.	156
Stearns Lumber Co.	147
Stoothoff H A Co.	154
Storrs & Harrison.	146
Superior Machine & Boiler Works.	158
Syracuse Pottery Co.	160
Taylor Steam Trap Co.	152
Texas Seed & Flo Co.	142
Thompson Car Co.	135
Thompson Wm & Sons.	153
Thorburn J M & Co.	II
Totty Chas H.	130
Traendly & Schenck.	133
Trimble W E.	129
Greenhouse Co.	154
United Fertilizer.	135
Valentine Frank.	135
Vaughan A L & Co.	125
Vaughan's Seed Store.	I 142, 143, 144, 145, 147, 152, 160
Vestals.	138
Vick's Sons Jas.	140
Vincent R Jr.	I 143
Wabash R R.	160
Wagner F A & Cons.	138
Walker F A & Co.	II
Ward & Co K M.	138
Weber F H.	141
Weeber & Don.	129
Weland & Risch.	141
Welch Bros.	130
Wertheimer Bros.	II
Western Seed & Irrigation Co.	141
Wietor Bros.	124
Wilks S Mfg Co.	159
Wilks R G.	135
Withold G Co.	138
Withold Henry.	138
Wood Bros.	146
Wolfskill Bros & Morris Goldenson.	137
Wrede H.	141
Yokohama Nurs Co.	133
Young A L & Co.	133
Young & Nugent.	138
Youngs.	138
Zech & Mann.	129



Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Mention the American Florist when writing

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad
to make our fall purchases.

?? Will You Place Import Orders ??

On first quality Cycas Leaves, Genuine Imported Waterproof Crepe Paper (trade-mark Westalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on
Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: :: ILL.

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

CALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS.,

286 North 9th St.,
BROOKLYN, N. Y.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES
OUR SPECIALTY
WRITE FOR FIGURES

527 Plymouth Place. CHICAGO

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO



SPLIT CARNATIONS

Quickly, easily and
cheaply Mended.
No tools required.

Pillsbury Carnation Staple

Patented 1908.

2000 for \$1.00 postpaid

I. L. PILLSBURY,
Galesburg, Ill.



No loss if you
mend your
split carnations with
Superior Carnation STAPLES
50c per 1000 postpaid.
Wm. Schlatter & Son,



BEFORE AFTER
422 Main St., Springfield, Mass.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$13.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

5,000 Ampelopsis Veitchii, 1-year, fine, price later. 4,000 Ampelopsis Englemanni, the hardy extra strong, in the finest condition; \$5.00—100, \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

Ampelopsis Veitchii, 4-in., 50c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100, \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus Sprengerii, 2½-in., heavy, \$3 per 100. Plumosos, 3-in., \$4.50 per 100. Also moss fern (Selaginella) 2½-in., extra fine and bushy, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus nanus, from 2¼-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengerii seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprengerii, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengerii, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus for planting out, 3-in., \$6 per 100; \$55 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus and Sprengerii, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100. Vaughan's Seed Store, Chicago.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus Sprengerii, 2½-in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

BEDDING PLANTS.

Bedding stock. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

BEGONIAS.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl, pearl, 4-6, \$3 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, multiflorums, giganteums, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Ct.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

THE IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

Carnations. F. Dorner & Sons Co., La Fayette, Ind.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Pink Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

CARNATION PLANTS—25,000 fine, clean, healthy field-grown stock, of the following varieties: White Perfection, Taft, Victory, Pink and White Lawson, Pink Enchantress, and Winsor, now ready for shipment at \$6 per 100 or \$50 per 1,000. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Field-grown carnation plants, 200 Enchantress, 200 R. P. Enchantress, 200 White Enchantress, 6c. 200 Sangamo, 100 Victory, 4c. Plants are first-class, ready for shipment Aug. 1. E. R. Griggs, Florist, A. & M. College, Stillwater, Okla.

Carnation plants out of sandy field, short, bushy and healthy stock. White Perfection, Winsor, and Victory, \$40 per 1,000. Pink Enchantress, May Day, \$45 per 1,000. White Enchantress, \$50 per 1,000; 100 at 1,000 rates. Write for prices on large lots. Cash or references. Northwestern Floral Co., Gross Point, Ill.

Carnations, White and Pink Enchantress, White Perfection, \$6 per 100; \$55 per 1,000. Victory, Beacon, Sangamo, Winsor, Lawson, \$5 per 100; \$45 per 1,000. Savanna Greenhouse Co., Savanna, Ill.

Carnations, Mrs. C. W. Ward, White Perfection, Winsor, R. P. Enchantress, White Enchantress, Queen, Enchantress, Alma Ward, Beacon, Dorothy Gordon, Bountiful, Victory, Winona, The Leo Niessen Co., 12th and Race Sts., Philadelphia.

Carnations, Washington and Bonfire, \$6 per 100; \$55 per 1,000. Princess Charming, Pink Enchantress, Victory, \$6 per 100; \$50 per 1,000. Lawson, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Strong field-grown carnations, Enchantress, White Perfection, Georgia White, \$6 per 100; \$55 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, Gloriosa, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Field-grown carnation plants, 425 Enchantress, 185 White Enchantress, 555 Sangamo, 50 Lady Bountiful. Good healthy plants at \$5 per 100. Cash, please. Edgar Easterday, Nakomis, Ill.

Field-grown Carnations NOW READY. W. Perfection, Scarlet Glow, Beacon, Victory, Mrs. C. W. Ward, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Harry Heintz, West Toledo, O.

Good, field-grown White Enchantress Carnation plants, \$7 per 100; \$65 per 1,000. Cash. Otto J. Hembreker, Lincoln, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants are now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Surplus Mum stock, good healthy plants in 2-in. pots in the following varieties: White and Pink Ivory, Maud Dean, Jones, Timothy Eaton, and Golden Chadwick, at \$15 per 1,000. Cash with order. W. F. Lauch, New Galilee, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Chrysanthemums. In order to make room, we offer the following first-class stock of chrysanthemums at the following prices: Bonnafont, Enguehard, Balfour, Halliday, Pockett's Crimson, Pacific Supreme, Byron, Pochmann, Intensity, Touset, Amorita, from soil or sand, \$1.25 per 100; \$10 per 1,000. Linwood Hall, Yellow Eaton, and White Eaton, from soil or sand, \$1.50 per 100; \$12.50 per 1,000. Intensity, Enguehard, Linwood Hall, Pockett's Crimson, Crocus, Touset, Gloria, from pots, \$2 per 100, \$15 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Chrysanthemums, rooted cuttings, and soil, all A No. 1 stock, 500 each Smith's Advance and Lynwood Hall, \$2.50 per 100. 5,000 Rosette, 1,000 each Touset, Halliday, Monrovia, Donatella and Pacific Supreme; 500 each Y. Jones, Mrs. Hurley and Baby, \$2 per 100; \$15 per 1,000. William Swayne, Kennett Square, Pa.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Act. Frost, C. Touset, White Cloud, Kalb Queen, Mlle. Des Jonis, Florence Pullman. Yellow: Halliday, Col. Appleton. Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums. Erie Floral Co., Erie, Pa.

CINERARIAS.

Cineraria Hyb., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

DAHLIAS.

Dahlias, new and standard varieties. Bassett & Weller, Hammonton, N. J.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Fern flats, Aspidium, tsussimense, Cytomium falcatum, C. Fortunei, Polystichum setosum, Pteris adiantoides, P. alba lineata, P. magnifica, P. majus or Ouvrardi, P. Wimsetti multiceps, P. Wilsoni, flats contain about 200 plants each, one variety in a flat, \$2 per flat. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Ferns, Adiantum Croweanum, fine plants, \$10 per 100. Erie Floral Co., Erie, Pa.

Bostons, 2½-in., \$5 per 100; 500 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, Nutt, Buchner, V্লাud, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poltevine, Nutt, Ricard, Doyle, V্লাud, La Favorite, Rose, Ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, R. C., Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

Greens, buckleyberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

German Iris, Sans Souci, \$1.50 per 100; \$15 per 1,000. Alta Vista Nursery, Davenport, Iowa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, Ohio.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 3-in., 2 to 4 shoots, \$8 per 100; \$75 per 1,000. Erie Floral Co., Erie, Pa.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley plips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dbonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines, and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Cycas stems. Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts. Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, large seedlings, ready about September 1st, \$3.50 per 1,000. Order now. Edw. Doege Co., 4344 N. Springfield Ave., Chicago, Ill.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

POINSETTIAS OUR SPECIALTY.

Headquarters of the West.
Per 100 Per 1,000
2½-in., strong plants.....\$5.00 \$40.00
2½-in., extra strong plants..... 6.00 50.00
We practice particular packing.
ROBER & RADKE,

Maywood, Illinois.

POINSETTIAS, rooted top cuttings, true type, 2½-in. pots, for July, August and September delivery at \$6 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., shipped in paper pots, \$10 per 100; \$50 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Poinsettias, 2½-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Poinsettias, 2½-in., now ready, \$5 per 100. Cash, please. Harry Heini, West Toledo, O.

PRIMULAS.

Primroses, Chinese and Forbesti, 2½-in., \$2 per 100. Obconica grand, alba and rosea, \$2. Obconica Gig. and Kermesina, \$3. Malacocoris giant baby, \$2. Jos. H. Cunningham, Delaware, O.

Primulas, sinensis, \$3 per 100; \$25 per 1,000. Obconica gigantea (Arendsil), \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Storrs & Harrison Co., Painesville, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2½-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.

Per 100 Per 1,000
American Beauty, 2½-in. 4.50 40.00
Jardine, 2½-in. 8.00 25.00
Ready Now. Order Early.

WIEIOT BROS.,
162 N. Wabash Ave., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Roses, strong, clean stock. Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3½-in. pots, at \$6 per 100. Pink and White Killarney, grafted, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

ROSES. Own root, White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Washburn Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 My Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2½-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink	\$2.50	\$0.50
" Gracillius luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, glorioxias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus Hatcheri, 100 seeds, \$1.50; 250 seeds, \$2.85; 500 seeds, \$5.25; 1,000 seeds, \$10. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per ¼ oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds. Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everette B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Onion Sets, Egyptian tree or winter. Vaughan's Seed Store, Chicago and New York.

Seeds. Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brasil Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$1 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

To exchange, coniferous evergreens for palms, ferns, clematis paniculata seedlings, hybrid tea roses, chrysanthemums. The Greening Nursery Co., Monroe, Mich.

To exchange—Make me offer on 'Mums, 2 and 3-in., echeverias, snapdragons, stevias, shasta daisies. F. A. Haenselman, Boulder, Colo.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts. Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mend your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples. 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Fertilene, 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ¼ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Peterborough, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plans and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Taylor Syphon Circulator. Taylor Steam Specialty Co., 36-38 Jackson St., Battle Creek, Mich.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$8, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Shootoff Co., Mount Vernon, N. Y.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Flower boxes. The Sefton Mfg. Co., 1335 W. 35th St., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85¢; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet, per 100, 60¢; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 81 Barclay St., New York.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Riedel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. E., New York.

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuebler, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa. and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Millang, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust., Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Peohlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, P. J., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Traendly & Schenck, New York.

Weiland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wietor Bros., Chicago.

Winterson Co., Ed., Chicago.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



SEE OUR EXHIBIT

—AT THE—

S. A. F. CONVENTION IN AUGUST

We will show our new Big Advance Ventilating Apparatus, and would be pleased to have you inspect same. It is the best and most practical machine on the market today. Send for catalog.

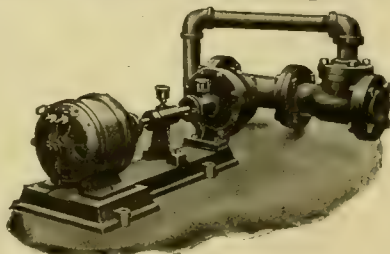
Prices, Net, F. O. B. Richmond, Ind.

Big Advance Machine, complete as illustrated.....	each.	\$10.50
Arms, twistless or elbow, complete.....	each.	.25
Hangers, complete.....	each.	.08
Shafting Pipe, 1 inch, double strength.....	per foot.	.08
Shafting Pipe, 1 inch, single strength.....	per foot.	.05
Shafting Pipe, 1 1/2 inch, standard.....	per foot.	.06

Patent pipe couplings furnished free with shafting pipe.

THE ADVANCE CO., Richmond, Indiana.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street,

Cutler Building,

1220 State Street,

Albany, N. Y.

Rochester, N. Y.

Eric, Pa.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 3/4 and 1/2. 40¢ per lb., by mail 16¢ extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

Wittbold Co., The Geo., Chicago.

Vaughan, A. L. & Co., Chicago.

Young & Co., A. L., New York.

Zeck & Mann, Chicago.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75¢, postpaid.

Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Mention the American Florist when writing

Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive 3/4 and 1/2 inch. Per lb. 40¢. 5-lbs. \$1.85. 20-lbs. \$7.00

**VAUGHAN'S
SEED STORE,**
Chicago New York.

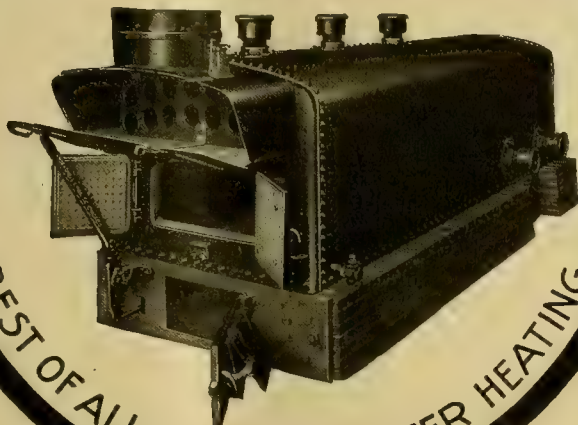
Mention the American Florist when writing

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), or

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits.)

THE
KROESCHELL
GREEN HOUSE
BOILER



BEST OF ALL FOR HOT WATER HEATING

KROESCHELL BROS. CO., 452 W. Erie Street,
CHICAGO, ILL.

WHAT THE USERS SAY

— ABOUT —

KROESCHELL BOILERS

Kroeschell Boiler—Half the Coal and Half the Work.

Your No. 13 Boiler is carrying 25,000 sq. ft. of glass, and I can keep it at 60 degrees in the coldest weather without any trouble. I have three sectional cast iron boilers also, heating a range of 25,000 sq. ft. of glass, but the No. 13 Kroeschell Boiler only takes half the coal and half the work to get the same results.

J. G. FRISZ, Vincennes, Ind.

Kroeschell versus Cast Iron.

The No. 7 Boiler I bought from you is heating 14,000 sq. ft. of glass; I think it can take care of 16,000 ft. I do not have any trouble to keep up temperature of 50 degrees in the coldest weather. I fire only once after 12 o'clock midnight. The boiler has given perfect satisfaction. I have four cast iron boilers—like the Kroeschell best of all. If anyone wishes to inquire about your boiler, let them write me, for I think your boilers are good ones.

CHARLES SCHULTZ, Menominee, Mich.

Cast Iron Boilers Crack.

I want to thank you for your promptness in shipping the boiler I ordered of you on January 13th. I had a breakdown, one of a battery of two cast iron boilers cracked so it was impossible to use same, so I got you on the telephone at 8.30 a. m., January 13th, and ordered one of your hot water boilers. Same was put in my boiler room in the afternoon of January 15th, after which we built foundation and connected up. Since that time the boiler has taken care of same glass as the two cast iron boilers had done, easier and better in every way.

(Signed) ANDREW BATHER,

Clinton, Iowa.

Kroeschell Better Than Cast Iron.

The Kroeschell Boiler is indeed a dandy and beats any cast iron boiler we have had any experience with.

Respectfully,

A. BECKRINK, Jamestown, N. Y.

Tobacco Paper

IS THE

STRONGEST

BEST PACKED

EASIEST APPLIED

24 sheets.....\$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the

CHEAPEST

JUST NOTE PRICES

Furnishes the
Most Nicotine for the Money!

Pint.....\$ 1.50
1/2 Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

Black flies and green flies are easy to kill with

**"TIP TOP" BRAND
TOBACCO POWDER**

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.



Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

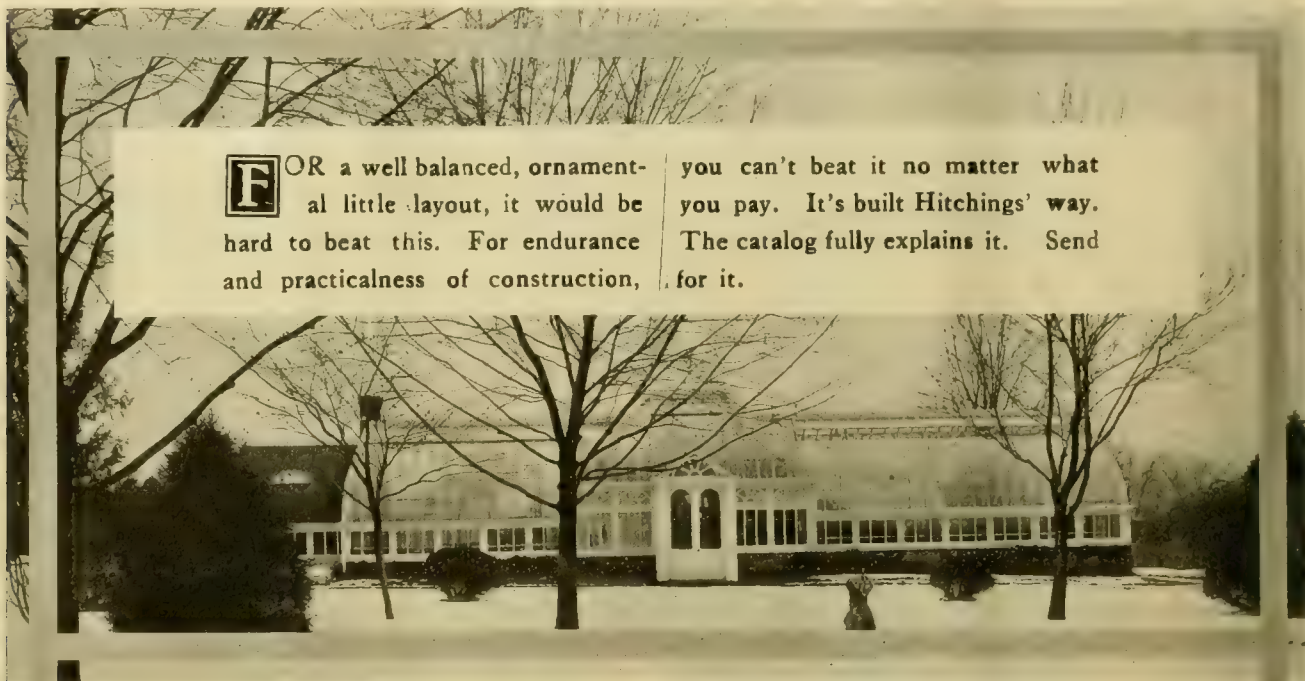
Also Thomson's Special Chrysanthemum and Topdressing Manure, an Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.

FOR a well balanced, ornamental little layout, it would be hard to beat this. For endurance and practicalness of construction,

you can't beat it no matter what you pay. It's built Hitchings' way. The catalog fully explains it. Send for it.



Hitchings & Co., Elizabeth,
New Jersey.

Aphine
*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.
\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.
M. C. Ebel, General Manager.

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

**D. D. Johnson's Celebrated
EVERGREEN BRAND FLOWER
AND LAWN FERTILIZER**

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

**Cattle Manure in Bags
Shredded or Pulverized**



Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.

**Pulverized
Sheep Manure**

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

**REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.**

We Manufacture all Our
**Metal Designs, Baskets, Wire Work,
and Novelties,** and are dealers in **Glass-
ware, Pottery, Decorative Greens** and
all Florists' Requisites.

FERTILENE

Especially prepared for the production of
lusty **CHRYSANTHEMUM BLOOMS.**

THE ADVANTAGES of Fertlene over other manure, are: It is clean, has no offensive odor, is soluble and thus easily prepared; is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor and gives accurate results. 1-oz. is sufficient for ten gallons. Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one-pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN,
MICH.

**50% SAVED.
Pipes, Flues**

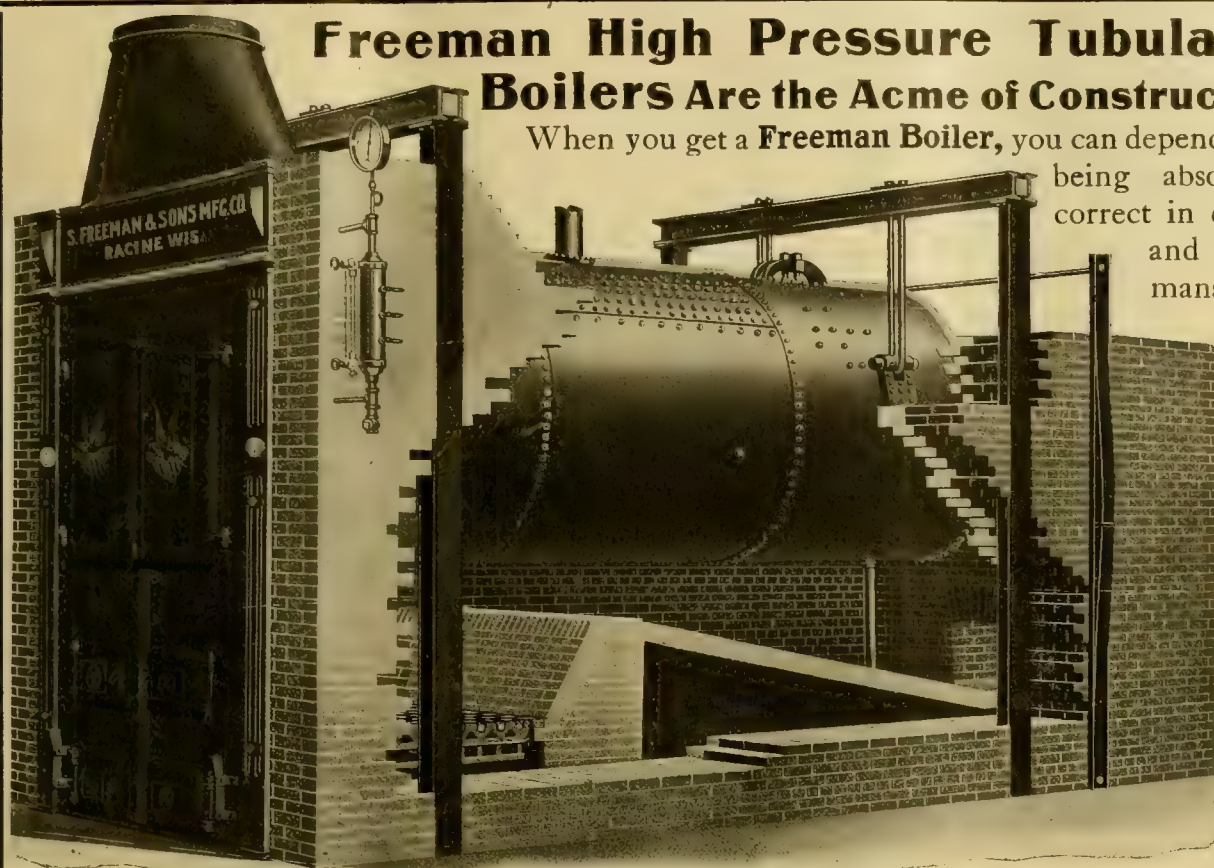
and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

Mention the American Florist when writing



Freeman High Pressure Tubular Boilers Are the Acme of Construction

When you get a Freeman Boiler, you can depend on it being absolutely correct in design and workmanship.

Send for Catalogue No. 40

THE S. FREEMAN & SONS MFG. CO.,

Racine, Wis.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

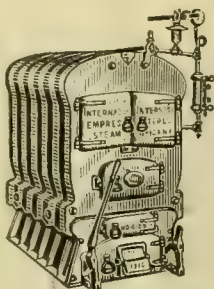
ADVANCE CO., RICHMOND, INDIANA

**ARE YOU
SURE your OLD
Heater
WILL NOT
GIVE OUT
entirely some
wild night next
winter?**

IF YOU are one of
the take-time-by-
the-forelock men
write us for informa-
tion about the

**INTERNATIONAL
Empress
Boiler**

WE DO not ad-
vertise the
**International
Empress** as the
"best boiler ever
made." We sim-
ply ask you to read
the statements of
those who have
installed them.
When experi-
enced users tell of
big fuel saving,
ease of erecting and simplicity of operation,
don't you think there is something in it?



Send us a plan of your houses with your
total glass area and let us help you.

**INTERNATIONAL HEATER CO.,
UTICA, N. Y.**

**EAGLE MACHINE WORKS
RICHMOND, IND.**

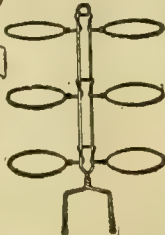


Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and Mum Stakes.



GREENHOUSES

**MATERIAL FURNISHED
AND**

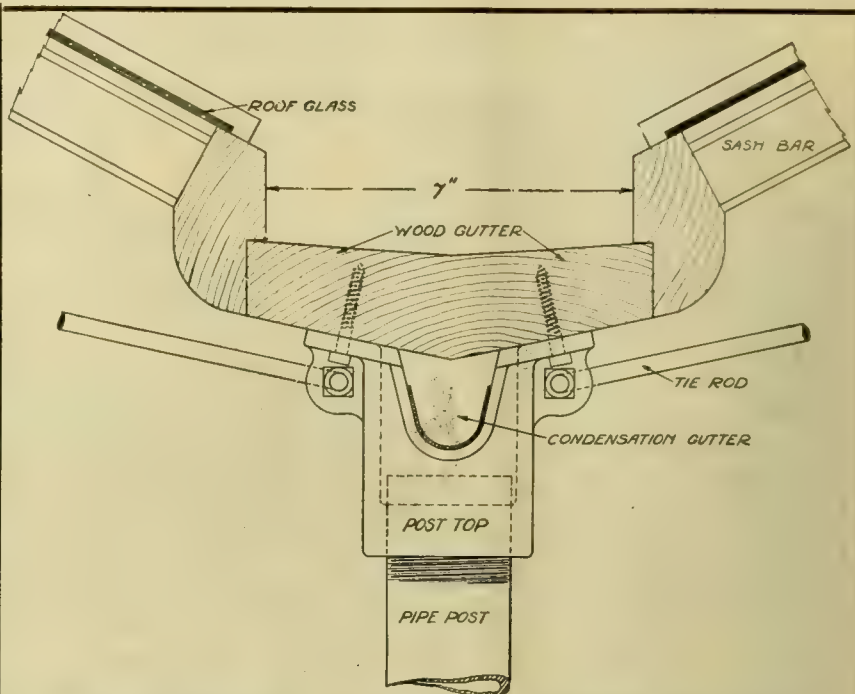
**MEN TO SUPERINTEND
ERECTION IF DESIRED.**

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER.

**THE J. S. STOKES LUMBER CO.,
NEWBURYPORT, BOSTON, MASS.**

**THE EARLY ADVERTISE-
MENT GETS THERE.**



KING GUTTER

MADE OF

WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters, **"AND THEN SOME."**

Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.
We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
N. TONAWANDA,
N. Y.

Boston Office
Winthrop Bldg., 7 Water St.,
Boston, Mass.

Eastern Sales Office
1181 Broadway,
New York

Use our patent
Iron Bench
Fittings and
Roof Supports

**THE JENNINGS APPROVED
IRON CUTTER.**

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

**VENTILATING
APPARATUS**

PECKY CYPRESS

CEDAR POSTS, DROPSIDING AND OTHER GREENHOUSE LUMBER

We are the largest retailers of lumber in the world and can furnish you in quantities
from wagon to carload lots. It will pay you to get our prices.

**Edward Hines Lumber Company, RETAILERS OF EVERYTHING
IN LUMBER.**

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO

NOW READY

—The American Florist Company's—
Trade Directory
—For 1912—

Contains 646 Pages.

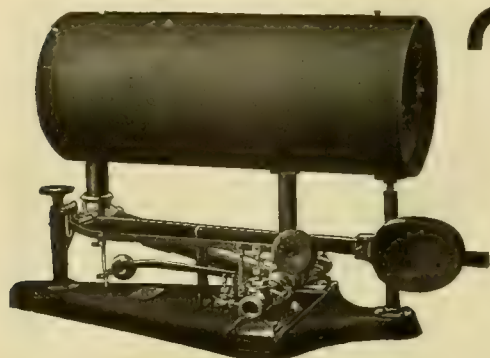
Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St., CHICAGO



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Now is the Time

To Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

The Horticultural Printing Company,
BURNLEY, ENGLAND

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :

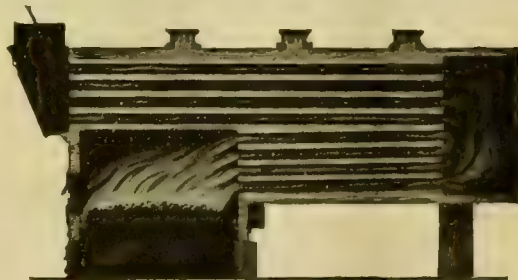
CHICAGO, ILL. , March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7534 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL

Mention the American Florist when writing

Pecky Cypress

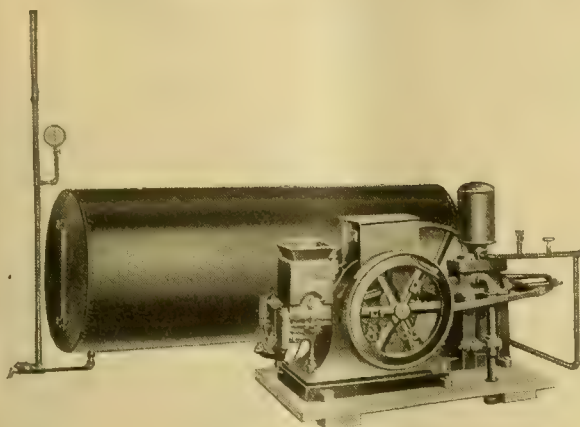
We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



**This
Beautiful
Lawn Vase
Only \$4.90.**

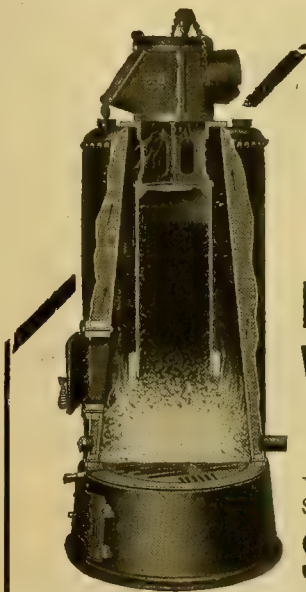
Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price\$4.90
4C12003, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World.
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems.** Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

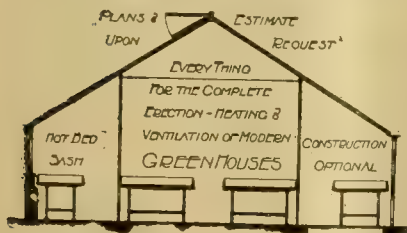
to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing Ave.,
Brooklyn, New York

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

The National Florists' Board of Trade, 56 Pine St.
NEW YORK

To Tell All the Good Points of Our Construction

in this advertisement are planning any tions, it will pay

is impossible. If you rebuilding or addi- you to write us.

**TRUSSED
SASH BAR
AND
IRON FRAME
HOUSES**



**CONCRETE
BENCH MOULDS
AND
GREENHOUSE
APPLIANCES**

1868

1912

Lockland Lumber Co.
GREENHOUSE LUMBER

Lockland

Ohio.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

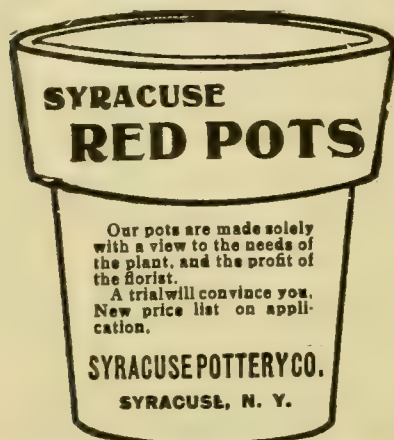
WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Pearson Street LONG ISLAND CITY, N. Y.

Established 1785

CAMBRIDGE, MASS



Mention the American Florist when writing

1000 Ready Packed Crates

Standard Flower Pots and Bulb Pans

Can be shipped at an hour's notice. Price per crate:

2000 1½-in., crate, \$6.00	4564½-in., crate, \$5.24
1500 2 " " 4.88	320 5 " " 4.51
1500 2½ " " 5.25	210 5½ " " 3.78
1500 3 " " 6.00	144 6 " " 3.16
1000 3 " " 5.00	120 7 " " 4.20
800 3½ " " 5.80	60 8 " " 3.00
500 4 " " 4.50	

Hilfinger Bros. Pottery, Fort Edwards, N.Y.

August Rolker & Sons, 31 Barclay St.
New York City Agents.

Our Specialty: Long Distance and Export trade.

Those Red Pots

"STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

MARRY BALSLEY, Rep. Detroit, Mich.
490 Howard St.



Standard Flower Pots

Porosity and Strength
Unsurpassed.

Write for prices.

A. F. KOHR

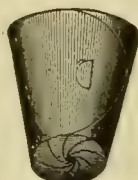
2934-36-38 Leavitt St., CHICAGO

Mention the American Florist when writing



GEO. KELLER & SON, Manufacturers of Red Pots

Before buying write for prices.
2614-2622 Herndon St.,
CHICAGO.



NEPONSET

Flower and Vegetable Waterproof

Paper Pots

**Vaughan's Seed Store, Agents,
CHICAGO and NEW YORK.**

Waterproof,
Don't Break,
Cost Little

Shippers may use them and save their customers many dollars in express charges.

Mention the American Florist when writing



FOR
PROMPTNESS

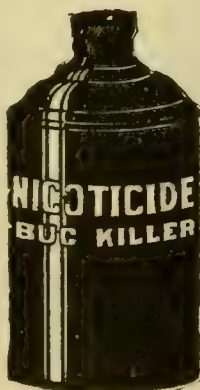
PETERS & REED

FOR
QUALITY

Standard pots for Florists in both plain and embossed. They are the Porous, Red burned kind. Our modern methods and up to date equipment insure smoothness, uniformity and durability. We can ship in any quantity at any time. Write for new illustrated price list.

The Peters & Reed Pottery Co., S. Zanesville, O.

Mention the American Florist when writing



THE BEST Bug Killer and Bloom Saver

For PROOF

Write to

**P. R. PALETHORPE
COMPANY, Inc.**

Clarksville, Tenn.

Mention the American Florist when writing



Wagner Plant Boxes
are the best and cheapest in the market for palms, boxwood, bay trees, etc. They are attractive in design, strong and durable suitable for either indoor or outdoor use. Made of cypress which gives them a lasting quality. We manufacture various styles and sizes. Write for prices.

Wagner Park Conservatories. Sidney, Ohio.

Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

CHERRY RED

Standard Flower Pots



Write us for prices.

We will furnish you the best quality cherry red pot at a price that will save you money. Try us and satisfy yourself.

The Mt. Gilead Pottery Co.

Mt. Gilead, Ohio.

Mention the American Florist when writing



DREER'S

Florist Specialties.

New Brand - New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

¾-inch, per ft., 15 c.

Reel of 500 ft., " 14 ½ c.

2 Reels, 1000 ft., " 14 c.

¾-inch, " 13 c.

Reels, 500 ft., " 12 ½ c.

Couplings furnished.

HENRY A. DREER,

714 Chestnut St.,

PHILADELPHIA, PA.

Mention the American Florist when writing

BURNED CLAY

Tile Benches and Tile Bottoms

Gives results. Three styles of benches, including

Iron Pipe Frame, with Tile Bottom and Sides.

Write for descriptive circular and delivered

prices. Any size benches.

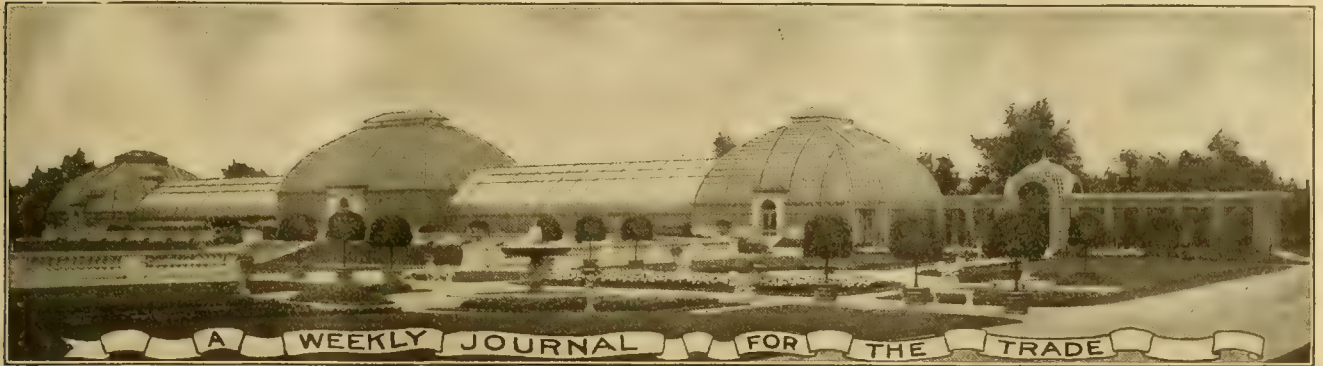
Tile Sides

THE CAMP CONDUIT CO.

Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, AUGUST 17, 1912.

No. 1263

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

Annual Convention and Trade Exhibition at
Chicago, August 20-23, 1912. JOHN YOUNG, Super-
intendent, Auditorium Hotel, Chicago.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTT, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New
York, April, 1913. A. FARENWALD, Roslyn, Pa.,
President; FRANK H. TRAENDLY, New York,
Vice-President; BENJAMIN HAMMOND, Fishkill-
on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New
York, April, 1913. PHILIP BREITMEYER, Detroit,
Mich., President; A. F. J. BAUR, Thirty-eighth St.
and Rockwood Ave., Indianapolis, Ind., Secretary.

August.

The bees grow drowsy in their hum o'er
freighted flowers, honey laden;
In hammock, shaded from the sun, sways to and
fro the dreaming maiden;
The skies are blue and earth is green, and in
the sunlight and the shade
The joyousness of life is seen, the poetry of
life portrayed.
And now and then a flash of gold, or gleam
of red or sober brown,
And from the branches overhead stray bursts
of song come floating down,
Stray gleams of flowers among the grass, and
murmurs of a distant stream—
And so the days of August pass, and we are
well content to dream.
—Frank H. Sweet in the National Magazine.

SOCIETY OF AMERICAN FLORISTS.

Those Amendments.

It is natural for us, in matters
which do not touch us vitally, to say
"let well enough alone," and a rea-
sonable amount of conservatism is a
good thing. The conservatism which
insists on being "shown" before act-
ing is one of the best of good quali-
ties, but the conservative who re-
fuses to be shown, or after being
shown refuses to act, must be given
another and harsher name.

The amendment changing the man-
ner of selecting the city in which the
meeting is held, should hardly have
any opposition. At present we vote
on this important question from the
floor and there is no way of check-
ing the results, or of preventing any-
one in the room from voting, whether
in good standing or not. The vice-
president must be a resident of the
city where the meeting is held, hence
it is evident that the city should be
selected on the first day, so that all
officers may be nominated at one time
on the following day.

The balance of the amendments
are practically one amendment, that
is, they cover the various changes
in the wording of different parts of
the by-laws necessary to make the
secretary's office appointive instead of
elective and to take away from the
secretary the right of voting at meet-
ings of the directors. Of course it
would be highly improper to allow
him to vote at meetings of the body
which appoints, and may discharge
him.

It seems to me that this proposi-
tion is simply a business one, to be
carefully considered in all its bear-
ings, and to be decided by each mem-
ber as he would decide any import-
ant business matter coming up in his
own business.

There is no occasion for hysterics
nor for impassioned bursts of eloquent
hot air. The society will not go to
the "demnition bow-wows" if we make
no change, neither will the bulwarks
of our freedom be overthrown, nor
will we become slaves under the lash
of the despots who are engineering
this dark and despicable conspiracy,
should we adopt the wise and busi-

ness-like course of taking the secre-
tary out of politics.

The admitted fact that the society
prospered years ago under an elective
secretary is no argument, unless it
can be shown that conditions are the
same now as then. They are vastly
different now and every member of
the society knows they are.

The secretary may today be con-
sidered our head bookkeeper and busi-
ness manager combined. Within seven
years we have had five secretaries
and it is rumored that another can-
didate is in the field—not because
the present incumbent is not doing
well, but because the other fellow
wants the job.

What would happen to a business
concern which changed its manager
five times in seven years?

Twenty-five years ago no one
dreamed that the trade exhibition was,
or would be, a valuable asset, but it
will this year without doubt yield a
revenue running into the thousands
of dollars.

This exhibition is a big thing and
requires tact, skill and experience.
We have heretofore had little gain
from this source because we have had
new and inexperienced men to handle
it. Under the present plan of placing
the secretary in charge better results
will be had, but if we do not change
officers, this year's experience will
teach him much of value for next
year.

We all know that when it comes
to elections, being a "good fellow"
often counts more than business
ability. Being a "good fellow" gets
votes, but the "good fellow" is not
always the man whom you and I want
to handle our money and transact our
business.

Take the present year, for instance,
the secretary has on his hands the
whole management of the trade ex-
hibition on top of his other duties at
the convention and yet, with those
duties requiring every minute of his
time and every particle of his atten-
tion, he is forced into a political fight
because some other fellow thinks it
a nice job and wants to get it.

In a real business concern, such
as our society now is, there must be

some one employe who holds over and keeps in touch with business details which a new man cannot master, fully, for six months or more.

Two presidents of the society have considered this matter of so much importance that they have recommended it in their annual addresses. The whole present board of directors has recommended the change. Here is the list of names:

J. A. Valentine, ex-president; Geo. Asmus, ex-president; Richard Vincent, Jr., president; Wm. F. Kasting, ex-president; Robert Craig, ex-president; W. N. Rudd, ex-president and ex-secretary; E. Allen Peirce, director; Harry A. Bunyard, director; C. H. Totty, director; John A. Evans, director; August Poehlmann, vice-president.

These are the men who are "backing this movement" and who Mr. O'Mara intimates have something or some person "up their sleeves."

These men know from actual experience the present business needs of the society.

They strongly recommend this change.

Shall the sober judgment of these men be considered?

Let us take the secretary's office out of politics and put it into business.

W. N. RUDD.

Chicago's Convention of 1887.

The twenty-five years since the last S. A. F. convention—the third in the history of the society—was held in Chicago has marked a great change in the city and in the trade as well. Floral establishments that were then considered of monster proportions now would be regarded as of very little importance, and where hundreds of dollars were represented at that time there are thousands today. But it was the plans that were laid then and the enthusiasm of the time that has had much to do with the position Chicago now occupies in the commercial cut flower business. The Society of American Florists when it met in convention at the First Regiment Armory in 1887 did not have the large membership it boasts at this time, but in loyalty and ardor it could not be exceeded. Although the society was but three years old then, the convention drew from the entire country and even from abroad. Henry Bennett, noted rosarian of Shepperton, England, was among those present from across the Atlantic and expressed himself as much pleased with our city and America in general. A few years before, when a national organization was suggested by a western florist, many in the trade feared it would not be practicable on account of the distance many of the members would have to travel. We were not such travelers in those days as we are now, but there was enough interest in the convention to bring a crowd.

Robert Craig, of Philadelphia, was the president of the society when it met and E. G. Hill, of Richmond, Ind., was elected to succeed him. Mr. Craig made the opening address, in which he reviewed the history of the society and spoke hopefully of the future. He was introduced by J. C. Vaughan, who briefly welcomed the visitors and paid a high tribute to the retiring president. "Chicago welcomes all," said Mr. Vaughan. "Her streets are wide,

her hotels many and large, her railroads reach to every point, and the largest possible crowd is the greatest delight of her people. We trust this meeting will well repay your generous expense of time and travel and we hope you can and will make yourselves at home."

Mr. Craig said in part: "To my mind the organization of this society is the best thing that has ever happened to the florists of America; although so young it has already stimulated activity in all departments of the business, diffused much knowledge, and promoted and developed a fraternal spirit and hearty good feeling which is most desirable; it has been instrumental in defeating a proposed obnoxious change in the postal laws, which if passed would have been a great loss to those of us who do a mailing trade. It has also, thanks to the earnestness and persistence of a few devoted members, placed the mat-



E. G. Hill Twenty-Five Years Ago.

ter of hail insurance on a practical footing so that all who desire to participate in its benefits may do so without delay. Its exhibition of plants, improved heating apparatus, mechanical appliances, florists' supplies, etc., has been interesting and instructive, and must at each succeeding meeting prove to be a leading and valuable feature. All who have anything of value to offer should avail themselves of this annual opportunity of bringing to the notice of those most interested the fruits of their works.

"The essays and discussions are educational in a high degree; it is impossible that so many practical and thoughtful men can meet together to exchange opinions on matters of vital importance to all without developing much that is of mutual benefit. The fact that the meetings are held in such widely separated sections must in itself tend to enlarge the views and broaden the mental vision of its members. It is an old and true adage that 'when you go from home you go to school.' All good ideas do not grow in the west nor the east, but they are liable to crop out anywhere,

and those who travel with open eyes can always learn something.

"The society has done wisely in not restricting its membership to any class but has thrown open wide its doors to welcome all friends. Its chief object is to cultivate in the people of America a taste and love for plants and flowers. But to return to our society. The greatest success will be attained only when each and every member does his share of work. When an exhibition is attempted every gardener and florist in the neighborhood should, as a matter of personal pride and duty, do his part. If we open to the people a good show we can depend upon moral and financial support.

"On the whole, the outlook for horticulture in America is encouraging. The nation is young and prosperous, with unbounded resources and ever increasing wealth. The enterprise and activity of its citizens are marvelous. In America every industrious man (no matter how humble his position) can afford to indulge more or less in matters of taste, and it is our mission to invite him to spend a part of his time in the garden, and to assure him that he can not find any higher pleasure on earth than its delights afford."

In accepting the highest office in the power of the society to bestow, Mr. Hill made a brief but felicitous speech. He also read a paper on roses which was both instructive and entertaining. The other officers elected with Mr. Hill were: John N. May, Summit, N. J., vice-president; M. A. Hunt, Terre Haute, Ind., treasurer; William J. Stewart, Boston, Mass., secretary. That it was not a temporary enthusiasm that brought into being the Society of American Florists is proved by the fact that some of those in attendance this year were here twenty-five years ago and have attended the conventions regularly in the intervening time. That the members were careful even then to choose those fitted in every way for office and who possessed the qualities of successful florists as well is evidenced by the subsequent history of the establishments of the retiring president and his successor. Both the Craig company and that of Mr. Hill are still among the country's foremost, having kept step with the steady march of the industry.

There were not so many exhibitors or exhibits at the first exhibition as at the Coliseum this year, but the exhibits were all of high order for that day and in the list of exhibitors were many of the same names. There were only forty-seven exhibitors in all but the number of members present was between four hundred and five hundred, which certainly showed well for that early day. The florists' clubs were just then coming into vogue in the cities of the United States and the convention gave great impetus to the organization of these. The Iowa contingent met at the Grand Pacific Hotel while here and organized a state association. C. C. Cole was elected president and J. T. Temple secretary. The eastern representatives came, many of them, by special trains. One train started in New York and stopped at Philadelphia and Baltimore, in each of which cities it picked up an enthusiastic crowd of delegates. Boston also was the starting point for a

fine crowd. Many of those who attended Chicago's other convention have since passed on to their reward, the most of them after a successful service, but many of them are still with us and still as actively interested in the affairs of the association as when it was first organized.

Chicago Wholesale Cut Flower Trade.

Thirty-four years ago, or in 1878, J. C. Vaughan started a small commission business in cut flowers. This was the modest beginning of Chicago's wholesale flower business, grown today to monster proportions and yet only in its infancy and destined to undergo still greater development and possibly more radical changes. The wholesale cut flower business of 34 years ago was not especially inviting, and it was several years after the first essay was made in this line before the second firm entered the field. Seven years after Mr. Vaughan started to sell cut flowers on commission, E. H. Hunt, who had for some time been in charge of this department for the Vaughan firm, purchased the department, together with the right to style himself "successor to Vaughan's cut-flower department." Mr. Hunt continued to run the business successfully until his death in 1898, when C. M. Dickinson took over the business but retained the old firm name.

In 1881 the present firm of Kennicott Bros., then known as Amasa and Flint Kennicott, entered the field as number two in the list of wholesale florists. In 1887, although Amasa had withdrawn from the business, the firm was incorporated as the Kennicott Bros. Co. Ten years later, on the death of Flint Kennicott, the president, the control of the firm passed into the hands of E. E. Pieser, who had long been one of the Kennicott employes and who retained the old name.

Nine years after the Vaughan establishment began the commission business in cut flowers, or in 1887, the third firm entered the Chicago field—C. H. Fisk and A. L. Randall entered into partnership for this undertaking. Like Mr. Hunt, they were both employes of Vaughan's where they learned the rudiments of the business. The firm was known as Fisk & Randall until 1902, when Mr. Fisk withdrew, since which time it has been known as the A. L. Randall Co. On the incorporation of the company Mr. Randall associated with him in the business Frank Johnson.

The Reinbergs and Poehlmann Bros. were the next firms in the field. Adolph Poehlmann started to grow flowers for himself in a small way at Morton Grove in 1885. In 1889 John and August Poehlmann joined their brother and the firm entered the cut-flower market in 1894 under its present name. Both ends of the business have proved highly successful, and the little range of glass at Morton Grove, about 20,000 feet in all, has reached the enormous total of 2,000,000 feet today.

Peter and George Reinberg, who had been growing vegetables, began in 1887 to grow flowers as well, and soon dropped the other branch of their business. At first they sold through a commission house, but soon saw the opportunity that awaited them as their own wholesalers, and entered this field also. The partnership was dissolved in 1900, since which time the brothers have each conducted his business

separately. Peter began raising his famous American Beauty roses in 1893. Only a year later he was compelled to put up a range of houses exclusively for these flowers.

In 1892 Chas. W. McKellar, who had been with the Vaughan and Hunt firms, formed a partnership with Fred Sperry and later with T. J. Corberry, Sperry having withdrawn from the business. Several changes in the firm have taken place since that time. It was known as Vaughan, McKellar & Winterson, and later as McKellar & Winterson. Chas. McKellar is now in business for himself. E. F. Winterson, one of the partners, has been for several years proprietor of a wholesale firm of his own and the business has developed rapidly under his management.

Another Vaughan graduate who has since made a mark for himself is J. B. Deamud. Mr. Deamud began business for himself in 1893 as the head of J. B. Deamud & Co. In 1906 Mr.



Robert Craig Twenty-Five Years Ago.

Deamud and Wm. P. Kyle incorporated under the name of the J. B. Deamud Co. Mr. Kyle had previously been with Kennicott Bros.

The Deamud Company handled the flowers of Bassett & Washburn at the start, but the latter firm, composed of O. P. Bassett and C. L. Washburn, soon saw their opportunity in the wholesale business, too, and it was not long until they were doing their own selling. They have a large plant at Hinsdale.

Wietor Bros. started business moderately in 1894. They now have a large range, and roses, carnations and chrysanthemums are their specialties, although they raise and handle other flowers as well. J. A. Budlong deferred entering the fast-growing wholesale market until 1898, although he had been a grower since 1880. In 1896 Weiland & Risch began business, and a year later E. C. Amling entered the commission trade. John Kruchten found the business promising and began in 1902. Two years later Vaughan & Sperry, now the A. L. Vaughan Co., started business. In 1905 the rapidly growing Zech & Mann firm was formed by John Zech and Matthew Mann.

W. E. Lynch, at present a grower, and F. F. Benthley, now with Kyle & Foerster, were formerly in this business on their own account and the trade has experimented with two market ventures which proved unsuccessful.

The complete list of the thirty-three wholesalers doing business in the city today is as follows: E. C. Amling Co., Bassett & Washburn, Batavia Greenhouse Co., Mrs. F. Beu, H. C. Blewitt, J. A. Budlong, Chicago Carnation Co., Chicago Flower Growers' Association, Chicago Rose Co., J. B. Deamud Co., Erne & Klingel, D. E. Freres, M. C. Gunterberg, Hoerber Bros., Hunt Bros., E. H. Hunt, Hunt & Co., Percy Jones, Kennicott Bros. Co., John Kruchten, Kyle & Foerster, Chas. W. McKellar, Poehlmann Bros. Co., A. L. Randall Co., George Reinberg, Peter Reinberg, Sinner Bros., H. V. Tonner, A. L. Vaughan & Co., Weiland & Risch, Wietor Bros., E. F. Winterson Co., and Zech & Mann.

Chicago Parks.

If there is any one feature of his home city of which the loyal Chicagoan is prouder than another it is probably the town's magnificent park systems and the boulevards which connect them. A good idea of a city's prosperity, progressiveness and love of the esthetic may be gained merely by glancing at the parks she provides for her citizens, and certainly in this respect Chicago has a right to boast. Other cities may have larger parks, or rather one park larger than any one of Chicago's but if any place has a greater park and boulevard acreage connected through the various systems into one great whole, as her's are, or parks and boulevards more beautiful than those of the middle western metropolis, it yet remains to be discovered.

The parks of Chicago are grouped into three great systems, containing altogether 4,388 acres, and connected as has been mentioned, by boulevards which makes them of easy access. These boulevards themselves are These boulevards themselves are remarkably beautiful and an automobile ride around the belt, visiting each large park in turn, is a pleasure often indulged in by citizens and never to be forgotten by the stranger. The three systems referred to are the north, the west and the south, each governed by its own park commission. There is also a special commission whose duties it is to investigate the need for smaller parks and an outer-belt system.

The great parks of the city are Lincoln, on the north side; Garfield, Humboldt and Douglas on the west, and Washington, Jackson and Grant on the south. Each system contains many smaller parks also, the number both large and small being 23, with an acreage of 2,423.37, for the south system; 13, with an acreage of 629.27, for the west system, and 8, with an acreage of 600.25, for the north system.

Lincoln is the one large park on the north side and it is one of the city's best known and most popular. With the 250 acres recently added and now being improved, this is the greatest of the town's public pleasure resorts. It has been more or less intimately connected with the stirring events in Chicago's history and will always possess a warm spot in the

hearts of her citizens on this account and because of the park's great beauty and the reverence for the martyred president from which it drew its name. A cemetery was established here in 1837 and during the historic fire it was the place of refuge for thousands of people, many of whom were glad to seek immunity from the flames in the graves from which the bodies had shortly before been removed. This park contains much to interest the general public and particularly the florist in its conservatory

coln to the south side by way of the west side. It contains 182 acres. Large trees, flower beds and shrubbery add to its natural beauty, and green lawns are another attraction.

Washington park contains 371 acres and is the second in point of size of those on the south side. Here, in the center is a large meadow where a flock of sheep add to its bucolic appearance and keep the grass nibbled close to the ground. There are twenty-three acres of lagoons and many winding paths bordered by trees and

Grant park as known today is a recent institution. It lies between Michigan Boulevard and the lakes and is composed chiefly of "made" ground dumped into the water. Its greatest improvement is yet to be made, each year adding to its beauty. It contains 205.14 acres and is the last connecting link between the South and North systems. These are only the larger of Chicago's magnificent parks, the most prominent in the greatest system in the world.

Lewisia Howellii.

Plants of the white-flowered *Lewisia oppositifolia* have been grown in gardens as *L. Howellii*, but the former species is quite distinct, as indicated by its loose, spreading habit, according to a correspondent of the London Gardeners' Chronicle. The true *L. Howellii* was collected by Carl Purdy, California, who sent specimens to Kew in January, 1911. In autumn, large consignments were received in this country, and plants in flower were exhibited by Mr. Prichard at the meeting of the Royal Horticultural Society on April 30. The best plant was a fine specimen carrying nine inflorescences, each with about 30 flowers, and it well deserved the award of merit bestowed on it. *L. Howellii* is found on the Moony Mountain, in Josephine County, Oregon, and is closely allied to the beautiful *L. Cotyledon*. It forms the same kind of rosette, but the leaves are narrower, and spatulate, with undulated or crisped margins. They are about three to four inches long, and about one half inch broad at their widest parts, also very thick and fleshy. The flowers are one inch in diameter; the petals are of buff-yellow color streaked with crimson or pink lines. The plant, potted in sandy loam, has survived the winter at Kew in a cold frame. Others planted out in the rock garden in sunny crevices and sheltered positions in the late autumn are equally healthy. *L. Howellii* is the eighth member of this attractive genus introduced into cultivation, all being natives of western North America.

LENOX, MASS.—The Lenox Horticultural Society held its first annual sweet pea exhibition July 23. About 120 varieties were shown.



CHICAGO PARKS.

West Side Conservatory, Garfield Park.

group, which includes a palm house, fernery and show house. Many orchids, easter lilies and chrysanthemums, as well as other flowers are found here. The old fashioned garden, containing 450 species is also a point of interest. The rose garden, which surrounds the sunken area near the Dearborn street entrance, and the small ponds for the culture of aquatic plants, must not be passed by without notice. The trees and shrubbery too are a constant delight, and there are many other interesting features which can not be mentioned for lack of space. A statue of the great naturalist Linne must not be forgotten. It stands near the conservatories, facing south. Four allegorical figures, representing botany, zoology, geology, and entomology, surround the base.

Humboldt park is the largest and is considered by many the most beautiful of all those of the west side. It contains 205.86 acres, and its many forest trees, growing as nature intended them, are one of its chief charms. Lilies and other aquatic plants grow in profusion at one end of a lake of 24 acres. A perennial garden and a rose garden, the latter beautified with walks and pergolas may be found on either side of Garden Hall. The statue of the scientist Von Humboldt, who gave the park its name, is another attraction to those of a scientific turn of mind.

Garfield park lies directly west of the loop district, being divided by Madison street, and is reached by way of Humboldt from Lincoln. It contains 188 acres and has the second largest conservatory in the world. Here may be found in profusion, palms and aquatic plants as well as conifer trees. South of Madison street are the formal gardens where grow thousands of plants used to beautify the park.

Douglas park is south of Garfield, and is the last of the large west side parks on the journey from Lin-

shrubbery.

Jackson is the south side's most noted park and contains 542.89 acres, extending along the lake, it being the only large park besides Lincoln and Grant which has a lake frontage. It is noted as containing many relics of history, many of them kept from the world's fair of 1893. About 8 miles of drives are contained within its borders and many walks and bridle paths add to its beauty. There are also 254 acres of lawn and 107 of artificial lakes. Wooded Island is one of the most attractive spots and contains the old Cahokia Court house said to have been built in the early part of the eighteenth century. A tiny formal Japanese garden near the Japanese buildings left from the World's Fair may be seen here.



CHICAGO PARKS.

Conservatory at Lincoln Park.

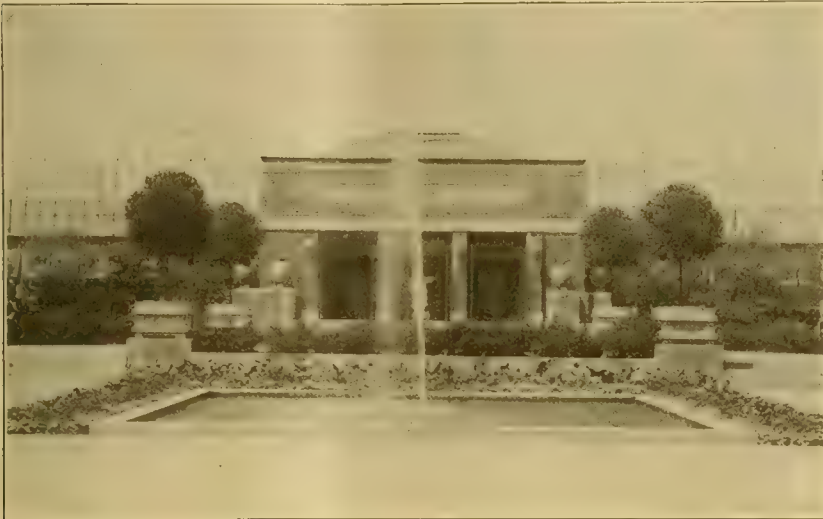
Lake Forest.

When a number of prominent citizens of Chicago in 1855 awoke to the necessity of a new residence suburb with the advantage of an educational institution included, they decided that the site must be within convenient proximity to the city and yet far enough away to secure the quiet of the country as well. The result was the organization, on February 28, 1856, of a land company known as the Lake Forest Association, and the se-

farm, gardens and lawns. His is perhaps the only model farm in the state that is run on a self-paying basis. The Swift estate is located west of the town between the Chicago & Northwestern and the Milwaukee & St. Paul railroads, and the most of the land required draining, fencing and fertilizing before it became the beautiful place it is today. The work was done in a short time under the able direction of George Koppenhoefer. The home was built on the gentle slope

very pleasant and Mr. Koppenhoefer is entitled to great credit for the way in which he has carried out the work in such a short time.

Not far from the Swift homestead, Ogden Armour has built an Italian mansion in the center of a tract of 1,000 acres. The land was formerly a swamp and useless for farming and required an immense amount of labor to put it in shape. The house, with the Italian gardens, lawns and drives, makes the estate one of the country's most costly, and the work is far from being finished. The progress has been slow, due perhaps to the fact that some of the landscape artists were not in sympathy with the plans. O. C. Simmons planned and platted the original scheme of embellishment, and he was followed by Jens Jensen and A. B. Yeomans. Although the plans of none have been followed out in detail, in the formal water gardens, west of the mansion, the most beautiful conception of what such gardens should be has been achieved. Both in the statuary and in the planting, perfect harmony with the surroundings has resulted. The rose garden to the north, rising from 2½ to 3 feet above the water gardens, is well planned and is planted with the utmost care, only such varieties as are adapted to the climate being used. The planting was done under the direction of James Wilson, and great credit is due him for the manner in which the work was carried out. Mr. Armour is said to dream of making this the most beautiful estate in the Northwest, but the work lacks considerably of completion. The conservatories and the orangery were built at a greater cost than those of any other private estate in the West and are stocked with rare plants of many varieties to be used to decorate the house and the formal gardens. About four hundred acres will be devoted to lawns, ornamental gardens, ponds and nurseries and the rest to farming. A grove of ten acres of forest trees were left standing as found and are the only planting done by nature. A drive about two miles long planted on both sides with double rows of American elms and sugar maples, leads to the mansion. The Milwaukee & St. Paul railroad, which divides the estate



CHICAGO PARKS.

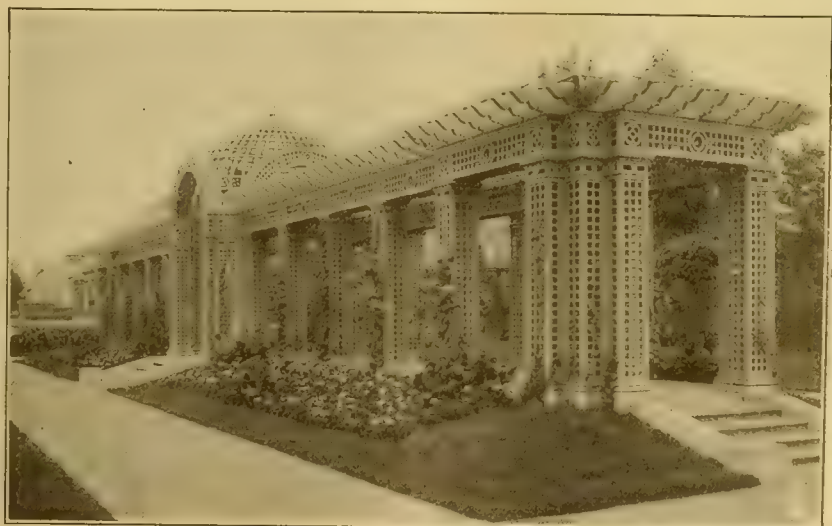
View in Garfield Park Conservatory.

lection of a site along the shore of Lake Michigan 28 miles north of the city. The place was picturesque and inviting, the shore line rising to a height of from 90 to 100 feet above the lake and broken by deep ravines. The wealth of trees and wild flowers added greatly to the beauty of the spot and no doubt influenced the association in its choice of a site.

The city of Lake Forest was laid here according to the plans of the late Frederick Law Olmsted. Mr. Olmsted was a well known landscape artist of the time and to arrive at the reason for his prominence in the craft it is only necessary to walk today through the streets of the town. The winding thoroughfares, the successive vistas of shady nooks and of bridges spanning the numerous ravines, and an occasional glimpse of the lake, all testify to his sense of beauty and harmony. Senator Charles B. Farwell, D. B. Holt, T. E. Learned, Charles Calvin and Henry and Joseph Durand were the first to build here and the beautiful lawns and driveways laid out at the time hold their own today with the best of the more modern landscape artist's work. For several years these men and other families were the only residents in the new suburb, and prior to 1892 there were no macadamized streets and likewise no water, sewers or fire protection.

Today Lake Forest has all these improvements and many of Chicago's wealthy business men now make their homes here. Among the many who realized the town's desirability as a place of residence was Louis F. Swift, who purchased nearly 2,000 acres of land which he has turned into model

overlooking the valley, and the house is surrounded by beautiful shade trees that were bought from nearby farmers and hauled and planted in the most natural positions possible. The orchards extend east and west of the house and vegetable gardens, nurseries and conservatories are also on the west side. The palm and fruit houses are of modern construction, placed not too far from the residence and connected with the lawn and the gardens. The entire estate is well balanced and the landscape effects are



CHICAGO PARKS.

Pergola in Washington Park.

into two parts is spanned by an immense cement bridge.

The A. B. Dick estate, located within a stone's throw of the Armour entrance, is in the center of a treeless tract of land. Looking at it at the present time it seems rather bare of possibilities, and yet in the next 7 or 8 years Mr. Dick expects to make it one of the show places of the neighborhood. He already has extensive

laid out by E. Bollinger and proves him to be thoroughly alive to his opportunities as a landscape engineer.

Cyrus H. McCormick's estate is perhaps one of the most noted in Illinois for its natural beauties and deep ravines. The plan was made by Werren Manning who aimed to retain the natural loveliness of every tree and flower and to help nature rather than to tear down her work. The "Walden,"

from seeds and cuttings to decorate the grounds. A bridge spans the main ravine, which is followed by a drive, both in the bottom and at the top. Edward Orpet is the superintendent here and the results prove him to be a sincere lover of nature. Each year Mr. McCormick buys a few more acres of ground and keeps from 18 to 25 men working summer and winter to improve his acquisition.

Another place worthy of note is that of H. C. Chatfield-Taylor, although the estate is comparatively small. It was formerly owned by Senator Farwell, and is one of the oldest in the town. The place was laid out in 1860 and has been well kept ever since. It is second to none of the more recently built homesteads. An extensive lawn, fine old trees, beautiful ponds and formal flower garden are some of the noteworthy features here. Carl Gelpert is the superintendent and has succeeded admirably in retaining all the beauty the place has long boasted.

The future of Lake Forest offers great possibilities from the gardening point of view. Practically all the land nearby has been bought by men of wealth. A tract extending seven miles west and five north has been sold or will be soon for country homes. Each place will be from 10 to 100 acres or more in extent. Among those making recent purchases are Stanley Field, A. A. Sprague, James R. Thorne, J. V. Farwell, Jr., S. W. Moore, and Arthur Meeker. The college, seminary and public schools of Lake Forest are as good as the country affords and the natural beauty of the surrounding country also goes to make this one of the most desirable of American residence places. E. B.

TRENTON, N. J.—H. E. Blackman has completed two greenhouses, one 200 feet and the other 75 feet long.

NORTH ADAMS, MASS.—A. J. Roothman is tearing down one of his old greenhouses and will erect a modern structure on the site. Other improvements are to follow.



LAKE FOREST.

Northeast View of Flower Garden of Mrs. R. A. McElwell.

flower, vegetable, and trial gardens and conservatories under the able management of John Tiplady, and some very rare collections of orchids, foliage plants and cut flowers are grown.

Among the older places, started some 15 years ago, we find on the border of the lake, Byron L. Smith's estate, which is of especial interest to lovers of all varieties of trees, shrubs, perennials and wild flowers. The beauty of the results obtained by ornamental and natural planting can hardly be excelled. Every situation is well studied and carried out to perfection. On the bluff overlooking the lake are planted in the most natural way possible large collections of native trees, shrubs and wild flowers, the conifers predominating over the other trees. Winding walks lead everywhere through the picturesque estate. The ravines, like many others in Lake Forest, are wooded on both sides with groves of native trees and there is a tangled undergrowth of native shrubs and ferns. The lawn as seen from the main part of the house is artistically laid out and offers many opportunities for the study of color effect in the fall, and especially in the winter. The gardens are well designed and stocked with the best material to be had. In the nursery and trial grounds are many rare plants yet to be tried. Those which prove satisfactory will be planted in the places most harmonious with the rest of the estate. The three-acre fruit orchard is the best of the younger orchards in this part of the country. One of the largest collections of hardy plants of which Mr. Smith is particularly fond is found here. The Smith house is of the colonial style and the planting is in harmony. "Briar Hall" as the place has been called was

as the place is appropriately named, contains more natural beauty in its 40 or 50 acres than can be found in many larger places. Year after year, for 17 or 18 years, has added to its appearance. Trails through the ravines, walks, bridges, drives, etc., go to make it an artistically natural success. The flower and vegetable gardens are the best in Lake Forest. The greenhouse, used mostly for propagating, is always well filled with plants grown



LAKE FOREST.

Formal Garden on Estate of Edward L. Ryerson.

Lake Geneva and its Gardens.

Lake Geneva, in southern Wisconsin, 75 miles from Chicago, is one of the most picturesque bodies of water in the entire country. The lake is surrounded by high, wooded hills and the steamers, launches and sailboats proudly riding the crystal water present an inspiring sight. It is little wonder that people of means as early as 35 years ago selected this spot as

Krupa, gardener) are beautifully located and prominently in view from the lake. Both places have splendid collections of shrubbery. American rhododendrons were given a large trial on both places, but were not found adaptable. That is one thing it is useless to attempt to grow in this locality. Both of these places are noted for their large collections of peonies. Formal gardens planted to annuals are

voted to roses, carnations and mums, also a young vinery. Melons and tomatoes under glass are also a feature, and prove a success with the growers. The Martin A. Ryerson estate is next with Miles Barrett as gardener. This place has about 5,000 feet of glass for general purposes. Frederic D. Countess (W. H. Griffiths as gardener) has about 6,000 feet of glass. The next place of importance is the R. T. Crane estate. The three different residences here give Axel Johnson, the gardener, a great amount of work. On account of the removal of some dwellings the landscape is being changed considerably here. Some modern greenhouses are also going up, the Lord and Burnham Co. having the contracts. The houses are 22x125 feet, half-iron construction, curvilinear roof. When finished they will be planted to roses, carnations, mums, etc. One section will be reserved for palms and store house plants; another house like this is to be built later in the season to take the place of the present melon house. When finished the Crane estate will have the finest range of glass on the lake. The grapery, some 20 years old, is a sight worth seeing; Muscats and Black Hamburgs in splendid condition, crops full ripe and later ones coming, and pot fruit also. Nectarines, peaches, plums and pears all speak well of the care they have had.

Many more places there are on this north shore, most of which serve only for summer residences and remain closed for the winter. A number of public resorts that prove attractive to a good class of people are here too. The south shore also has its large estates, chief among which are the Fleming, Seipp, Crommes, Dreke, Moore, Walker, Dickenson, Byllesby, Jones, Mitchell and Selfridge.

At the J. H. Moore place, where A. Martini is in charge, we find a beautiful park of 37 acres that was laid out and planted some 10 years ago. Trees and shrubs are effectively grouped, and the massive plantings show up splendidly at their different seasons of bloom. Here, also, we find a modern constructed fruit house, devoted to grapes and peaches (the latter on the cross trellis plan) that prove an entire success with their heavy



LAKE GENEVA AND ITS GARDENS.

Residence of J. J. Mitchell.

the ideal place for rest and recreation. Since the first well-to-do families chose the place for summer homes many more have been drawn there until today scores of the most beautiful private homes in the West are to be seen overlooking the lake or within easy reach.

These estates vary in sizes from a few acres to about fifty acres of ground, this of course, not including farms of considerable size in connection with some of the estates. Only a fourth of a mile from the town, on the north shore, is H. H. Porter's place, with its large rolling lawns and beautiful native oaks, elms and other trees that one loves to see remain in well-chosen places (as they do here) when grounds are first laid out. This place as well as the Leiter, Sturgess, Fairbanks, McCrea and Strong estates is quite old. The chief beauty of each is its natural landscape with no hint of the grotesque or artificial.

By far the most beautiful hardwood maples are to be seen at the Fairbanks homestead and will long be remembered for their grand and symmetrical appearance. Here, too, is located the oldest vinery on the lake (composed of the Black Hamburg variety mostly). Here are canes four inches in diameter that have borne heavy crops in years gone. C. L. Hutchinson's place is another deserving attention, and Wm. P. Longland, the gardener, who is also a fisherman and crack shot, delights in showing a really fine collection of herbaceous plants and shrubs as well as orchids and ferns, all grouped effectively in large masses with always some new thing for the visitor to learn. The next four or five places near by are of more recent date. Edw. F. Swift's, where Robt. Sampson is gardener, and N. W. Harris' (Jos.

features also. Mr. Swift has about 2,500 feet of glass and Mr. Harris about 5,000, and both have a variety of tropical plants as well as 'mums in pots and in the benches. Here, too, we find as on most grounds here large kitchen gardens, where everything is produced in season in first-class quality.

S. B. Chapin and A. C. Bartlett own estates facing the lake and each has open lawns bordered by natural woods. On the "narrows" of the lake we come to S. W. Allerton's residence. Robt. Blackwood is Mr. Allerton's gardener. Here are about 10,000 feet of glass de-



LAKE GENEVA AND ITS GARDENS.

Residence of S. W. Allerton.

crops. This place is also noted for its grand stables, considered by many the finest in the West. A half-mile race track a short distance away near the public road, has become a landmark with its solid hedges of *Spirea Van Houttei* and *Lonicera Tatarica*.

About 2 miles from town is "Cylon Court," the summer home of J. J. Mitchell, with A. J. Smith in charge of the pretentious grounds and range of glass. Splendid landscape effects are obtained with well kept lawn and driveways. Ornamental gardening is also followed to a certain extent. A very large perennial garden as well as lily ponds and a rose garden are features. Also we find large specimens of palms, ferns and other tropical and subtropical plants that serve for out-of-door decoration and give harmony to the Oriental style of architecture of residence. About 20,000 feet of glass produce cut flowers, vegetables and fruit the year round. A grand collection of crotons and other stove plants in prime condition is to be noted.

It is to be regretted that the Harry Selfridge place is not kept going as in years gone by. Here was a little paradise, the untiring labors of Charles Gebhart making these grounds most beautiful to behold, but since Mr. Selfridge's departure for London no attempt is made to keep up the estate. The splendid orchid collections were presented to Lincoln Park in Chicago about 4 years ago. A year earlier a gardeners' association was organized for the purpose of fostering all branches of horticulture, resulting in friendly competition. Fortunate indeed was this association to have the good will of the gardeners' respective employers, for through the efforts of C. L. Hutchinson a commodious horticultural hall has been erected where from time to time exhibitions are held and the public is invited free of charge to enjoy the displays. A. M.

Mystery of Temperature Regulation.

Of the numerous parts of which a modern heating and ventilating system consists, none is clothed with as much mystery and misunderstanding as the automatic temperature control system. This has been caused partly by the intricacy and complicated mechanism of the original thermostatic system, but the principal reason has been the attitude of the manufacturers toward the buyers and users of temperature control.

When temperature control first came into existence the manufacturers very foolishly assumed an attitude toward the public similar to that of physicians and lawyers toward laymen, placing themselves, as it were, behind a screen, disregarding standards entirely, using special screw threads and sizes, with the idea, no doubt, that they were entitled to make all repairs. Even the artisans who were skillful enough to adjust a thermostat were referred to as experts.

The reader can imagine the result of this unfair and unbusinesslike attitude and the very unsatisfactory operation of the apparatus, where it was necessary to depend upon thermostat experts perhaps hundreds of miles away for the adjustment of a screw or valve, or for the replacing of some small part which had become worn. At that time the heating industry was in its infancy and there were a number of defective heating plants installed throughout the country. In a great number of cases,

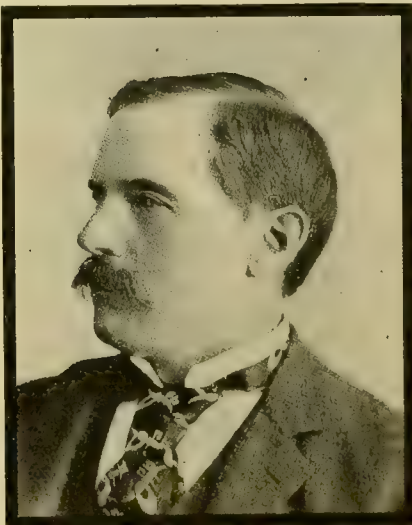
these defects in operation were blamed on the automatic temperature control, and, to a certain extent, the same condition obtains even today.

At the present time, however, this condition has partly changed and the successful manufacturers of automatic temperature controlling systems have brought the various parts of the apparatus to a standard, making it possible for the operating engineer or janitor to make simple repairs and to do whatever adjusting is necessary.

A number of people are of the opinion that on account of the work expected of the thermostat, it must be a very delicate instrument. This is not true, for while a thermostat must be a very sensitive instrument, it does not necessarily have to be a delicate one.—Heating and Ventilating Magazine.

Cutting Greenhouse Glass.

Many of our readers are familiar with "Red Devil" glass cutters, manufactured by Smith & Hemenway Co., New York. This company, which, by the way, is the largest manufacturer of glass cutters' and glaziers' tools in the world, has been sending out to florists and others free samples of its No. 204 "Red Devil" glass cut-



The Late J. T. Anthony.
First President Chicago Florists' Club.

ters, with a view of demonstrating the excellent work it does. The company has sent free samples to nearly 4,000 greenhouse owners, and will continue to send one sample only to anyone who has not as yet had a sample on receipt of 6 cents in stamps.

Chicago Florists' Club.

Pursuant to a call of those interested in the convention of the Society of American Florists, which was to be held at Chicago in August, 1887, a well attended meeting of the florists of the city and vicinity was held November 3, 1886, and an organization was formed under the title of the Chicago Florists' Club, with the idea of forming a permanent social organization for members of the trade only. Fifty members were enrolled and the following officers elected: J. T. Anthony, president; R. J. Donovan, vice-president; G. L. Grant, secretary, and Joseph Curran, treasurer. Meetings were held during the winter and on February 17 the club held a ball and re-

ception, at which the decorations were a great attraction and were highly praised by the daily press. Fully 700 people were present and the affair was a great financial and social success. The club then leased a very pleasant room at 189 Wabash avenue, and by April the membership had reached the 100 mark. In August the Society of American Florists held their convention in Chicago, and the club entertained the visitors during their stay in the city, and an excursion was made to South Park. In November a chrysanthemum show was held, which was very successful, despite the inclement weather and the excitement caused by the execution of the anarchists, which caused many people to remain in their homes.

At the second annual meeting the officers elected were as follows: F. F. Benthley, president; Andrew McAdams, vice-president; G. L. Grant, secretary; M. F. Gallagher, treasurer, and P. J. Hauswirth, financial secretary. At the next annual meeting a board of trustees was added to the elective officers, and those elected to fill the several positions were: James D. Reynolds, president; D. B. Fuller, vice-president; G. L. Grant, secretary; P. J. Hauswirth, financial secretary; Flint Kennicott, treasurer; Thomas Hopkinson, F. F. Benthley, A. McAdams, Joseph Curran and M. F. Gallagher, trustees. A banquet was held November 8 and a ball held February 8 in the First Regiment Armory, at which the decorations rivaled those of the ball held two years previous.

The following year, 1889, the old board was re-elected and in the summer of 1890 a committee consisting of James D. Reynolds, J. C. Vaughan, F. F. Benthley, George Gardner and G. L. Grant was appointed to further horticultural interests at the World's Fair. During the World's Fair the club took an active interest in all matters pertaining to floriculture, and their committees served efficiently.

A local trade organization of gardeners and nurserymen preceded the club, but survived only a short time.

The list of presidents of the club, with the years they served, is as follows, the deceased being indicated by an asterisk:

*J. T. Anthony.....	1886
F. F. Benthley.....	1887
J. D. Reynolds.....	1888
J. D. Reynolds.....	1889
G. L. Grant.....	1890
G. L. Grant.....	1891
*P. J. Hauswirth.....	1892
*P. J. Hauswirth.....	1893
J. F. Kidwell.....	1894
G. L. Grant.....	1895
W. N. Rudd.....	1896
G. L. Grant.....	1897
*Edgar Sanders.....	1898
*James Hartshorn.....	1899
Andrew McAdams.....	1900
E. F. Winterson.....	1901
J. D. Thompson.....	1902
W. N. Rudd.....	1903
W. N. Rudd.....	1904
*P. J. Hauswirth.....	1905
H. N. Bruns.....	1906
Leonard Kill.....	1908
George Asmus.....	1909
George Asmus.....	1910
H. E. Philpott.....	1911
P. J. Foley.....	1912

The date of installing the officers was changed from November to January in 1907, which accounts for that year not appearing in the list.

Chicago's First Commercial Greenhouse.

Chicago's first commercial greenhouse was a lean-to affair about 14x50 feet at 100 Adams street, facing north on part of the present site of the post-office. It was built about 1845 by Samuel Brookes. This greenhouse had an outside rear door but was entered also through a window from the house, against the east side of which it leaned. With our ranges of a million feet or more of glass, for which Chicago has become famous, this seems a small enough beginning, but as a matter of fact in those pioneer days it was considered a big house and was mainly used for the culture of azaleas, camellias and other pot plants.

About three years later, in 1847 or 1848 as F. W. Brookes now recollects it, Job Carpenter and his brother built a greenhouse on the west side, adjoining Union square on the north. These brothers were market gardeners as well as florists.

Samuel Brookes was an old-fashioned English gardener who had owned one of London's biggest places previous to 1832. He came over to the new world expecting to settle in Canada, but soon drifted to the United States and on October 23, 1833, with a family party of 16 he came around the lake from Buffalo by wagon. His son, F. W. Brookes, journeyed with him, a lad about 7 years old. The latter, now a man of 85, lives at Morgan Park. Here five of the original Norway pine sash of the first greenhouse are still to be seen.

When seen a few years ago it was not a difficult matter to get him started in a reminiscent vein. It was here that his father died in September, 1875. This place on Lake avenue was sold out in 1892 and he moved to Morgan Park to take things a bit easier with advancing years, though, as above noted, he still clings to his garden. He well recalls early life in local floriculture, having been more or less intimate with Edgar Sanders, John Goode, George Wittbold, Dr. John Kennicott, W. G. Newitt and J. T. Anthony. Mr. Brookes is not associated with any of the trade organizations, but was connected with some of the forerunners of the present Chicago Florists' Club. In the old days of the Exposition building on the lake front, where the Art Institute now stands, he frequently exhibited with other florists a few specimen plants.

While the son of a florist and gardener he had a natural inclination for flowers, but was brought up to the trade of printer, starting on an old anti-slavery paper in Chicago, September 17, 1844, and was with the Tribune when it started business, and later with "Long John" Wentworth until 1853. Then he drifted into the flour and feed business which he carried on for six years at Canal and Madison streets.

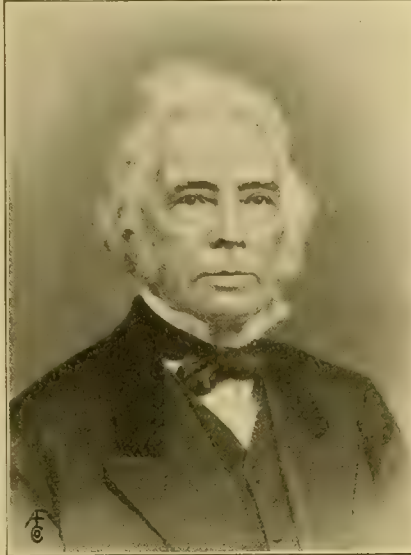
In 1859 his early instinct for floriculture finally induced him to enter into partnership with his father in the greenhouse business at Thirty-ninth street and Lake avenue, where the late Samuel Brookes then had his place. The next year he moved to 4525 Lake avenue into "Old Tibbitt's orchard." Here he stayed for 30 years.

CHAMPAIGN, ILL.—Y. E. Yeats is building a new greenhouse containing 21,000 feet of glass.

Facts About Chicago.

The Drainage Canal built by The Sanitary District of Chicago, at an expenditure thus far of over \$66,000,000, is one of the world's most wonderful engineering feats, and disposes of Chicago's sewage through an artificial canal from Lake Michigan to the nearest point on the Desplaines river.

Forty feet under the principal business streets within the loop district of



The Late Samuel Brookes.
Chicago Pioneer Florist.



F. W. Brookes.

Chicago, is a subway 62 miles long, 6 by 7½ feet in size, designed, not for passenger traffic, but for cars laden with various kinds of merchandise, coal, ashes, etc.

The total strength of the Chicago Fire Department is about 2,000 men, including 1,799 uniformed men, noted throughout their world as fire-fighters. The Department requires 700 horses and 60 miles of hose to keep it at its standard of efficiency.

As an educational center, Chicago possesses schools and colleges of the

highest order. The University of Chicago is now one of the greatest of the country, while Northwestern university, situated in the suburb, Evanston, is also of the highest rank.

Everyone has heard of the Chicago Stock Yards. Back of the stock yards are situated the meat packing plants, known the world over, and under the supervision of the United States Department of Agriculture.

Many factors contribute to make Chicago the great central market. It is near the center of population of the country; has excellent railroad facilities and entertainment attractions to draw big buyers.

Already Chicago is one of the great banking centers of the United States and with its geographical situation, rapid growth and natural resources, it is destined to become vastly superior in this respect in the future.

The city and county buildings form what is unquestionably the finest edifices of their kind in America, if not in the whole world, the total cost of the two buildings being \$10,000,000.

An example of the increased valuation of Chicago real estate is the southwest corner of Clark and Washington streets, where the Chicago Opera House now stands. The lot, in 1832, sold for \$61, but recently sold for \$2,000,000.

Chicago annually produces manufactured goods to the value of over \$1,104,000,000 in 8,175 plants, this product covering almost every sort of merchandise used in America.

The Board of Trade, located at LaSalle St. and Jackson Blvd. is a most interesting sight, a large gallery for visitors is always open during the trading hours, 9:30 a.m. to 1:15 p.m.

South Water Street is the greatest market in Chicago for concerns dealing in fruit, vegetables, poultry, butter and eggs. Between 200 and 300 commissioners do business here each day.

Territorially Chicago is as large as it is in population. The length of the city is 26 miles, its greatest width 14½ miles, and its total area 194.5 square miles.

Chicago, in size, in commercial achievements, in civic development, in the character of its institutions, and in its many avenues of progress is one of the great cities of the world.

In literature, Chicago has made conspicuous progress. Five great libraries, besides the numerous secondary ones, are situated in various parts of the metropolis.

As a center of railroad industry, Chicago takes precedence over all cities of the world. 1,400 trains enter the city daily and not one passes through, but all end their runs here.

Lake Michigan, on which Chicago is situated, has an area of 22,450 square miles, about two-thirds the size of Ireland.

Chicago, a city of great realities, is building for the future, for a city of added millions and extended facilities, for the Chicago of tomorrow.

There are four great elevated trunk lines from the Loop, all operated by electricity, the current being delivered from a third rail.

Chicago boasts of 50 buildings over 150 ft. high, the highest being the Masonic Temple, at the corner of Randolph and State streets.

The Chicago street car system comprises 913 miles of track in the city limits, on which 3,000 modern cars are operated.

Over fifty different suburbs lie without the corporate limits of the city, and within easy reach of the heart of the municipality.

Chicago is a city of 2,185,283 inhabitants, to which number it is adding approximately 50,000 yearly.

The Zoo at Lincoln Park contains more than 2,300 specimens of mammals, reptiles and birds.

There are six railway stations in Chicago, with an average of six lines using each depot.

There are 11 principal lake steamship passenger lines from Chicago, for ports on the great lakes.

Chicago's police force contains about 4,500 officers, distributed from 47 precinct stations.

There are about 40 well known theaters in Chicago, besides nearly 500 five and ten cent show houses.

The corner of State and Madison streets has the reputation of being the busiest corner in the world.

The public parks of Chicago cover an area of 4,388 acres of park and boulevard systems.

Thirty-three foreign consuls have offices in Chicago, representing most of the world's greatest powers.

There are about 500 hotels in Chicago, varying in price and location.

Ferns Living In Fossils.

As a usual thing, the fossil ferns belong to extinct species that may suggest more or less close relationships to present day forms but are not identical. Such generic names as azolophyllum and asplenites indicate relationships of this kind, according to the Fern Bulletin. For the most part, the ferns now inhabiting the earth belong to recent genera and are not found fossil. There are, however, a considerable number of fossils that are regarded as identical with modern genera, and not a few have been assumed to belong to existing species. The fern genera reported among American fossils are anemia, asplenium, blechnum, Davallia, Dicksonia, aspidium, gleichenia, goniopteris, gym-nogramma, hymenophyllum, lygodium, onoclea, osmunda, phegopteris, polypodium, Woodwardia and pteris. Among the fern allies we note equisetum, isoetes, lycopodium, salvinia, ophioglossum, selaginella, and tmessip-teris. Among the species thought to be identical with living ones may be mentioned nephrodium argutum, n. Goldieanum and onoclea sensibilis and six species of equisetum, namely, arvense, laevigatum, limosum, robustum, scirpoides and sylvaticum. The occurrence of these species in the fossil condition makes the link connecting modern and fossil ferns seem much more real than ordinary and opens up a new view upon the continuation of the species. Apparently some of these forms, inflexible as they may appear, have nevertheless, been sufficiently flexible to adapt themselves to the many vicissitudes the race has encountered during the ages that have elapsed since their appearance upon the earth and enabled them to survive while multitudes of other species that started with them have gone down to oblivion and left no sign. In this connection it is well to remember, too, that many of the forms, once regarded as fossil ferns, have been lately proved to be not ferns at all but fern-like seed plants.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Mrs. Reimers Continues Seelbach Stand.

We are informed by Mrs. M. D. Reimers of Louisville, Ky., that our Louisville correspondent is in error in his statement in our issue of August 3 that she has decided to discontinue her flower stand in the Seelbach hotel, and we gladly make this correction and trust Mrs. Reimers will be put to no inconvenience by reason of the error. Mrs. Reimers says that instead of discontinuing the flower department mentioned she expects to enlarge it and the place is now undergoing a general cleaning up preparatory to an expected brisk fall trade.

The Sanders Store, St. Louis, Mo.

We publish herewith an interior view of the Sanders Nurseries, of St. Louis, Mo. This progressive and up-to-date concern has undoubtedly one of the most attractive shops to be found anywhere in the country, and caters to the best trade of St. Louis. The shop is very spacious, as will be readily seen. The view shows the reception room looking from the front to the greenhouses in the rear. At the

its branches in New York, Denver and San Francisco. Members of the Society of American Florists should make it a point to visit the Brecht exhibit at the Coliseum August 20-23, as they will display one of their latest refrigerators mechanically cooled by one of their ice machines.

Summer Flowers in Design Work.

SEE SUPPLEMENT WITH THIS ISSUE.

Owing to the extreme heat and the limited demand for cut flowers during the summer months, the quantity of choice stock offered is very small and the assortment confined to a few staples for the most part grown throughout the year, together with outside flowers that give more or less satisfactory returns to the grower. Beginning in the spring, the shrubbery, such as duetzia, spirea and snowball, are a great help to the design worker. Later on these are followed by the Hydrangea arborescens grandiflora. Every florist who grows any of his own stock should have several rows of this splendid hydrangea. Its flowers are very white and lasting, holding on the plants a long time, and keeping, when cut, in saleable condition longer than any other cut flower. Hydrangea paniculata follows and lasts until the



SUMMER FLOWERS IN DESIGN WORK.

Wreath of Bronze Magnolia Leaves, Mrs. Taft Roses, and Lavender Asters with Lavender Ribbon.

left may be seen one of Brecht's celebrated refrigerators, which they report as giving entire satisfaction. Whether they make the purchase or not prospective buyers of florists' refrigerators will find it to their advantage to communicate with the Brecht Company, of St. Louis, Mo., or any of

greenhouse chrysanthemums open the winter season. All of the above are chiefly useful for foundation work, helped out between times with double white petunias which make a very acceptable substitute for the white carnation until the coming of the aster, which then dominates the field. With



RECEPTION ROOM IN THE SANDERS STORE, ST. LOUIS, MO.

any of the popular designs, such as wreath, cross or pillow, solidly filled and rounded into shape with a ground work of any of these flowers, the piece is more than half finished. It is then possible to arrange on the same foundation the greatest variety of combinations and color schemes.

With regard to the pillow, the mossing of this should be rather high—the dish flower is preferable, that is, without the top. The moss (always use sphagnum) should be piled rather high and bound on with a bobbin of wire, which is much to be preferred to string. When finished the straggling ends of the moss should be sheared off, which takes but a minute, and the entire surface, both top and bottom, covered with hardy ferns pinned on. If it is considered necessary to use foil on the bottom, let it be dark green. This applies to all designs. The frame having been solidly covered with flowers, sprays of six or more roses or other flowers hanging down from the corners add to and relieve the squareness of the design that is so often seen. Bringing two garlands or crescents from one corner of the pillow to the other at each end, making them full and high in the center, gives a pretty effect, and if choice flowers are used the result is a very handsome piece. When there is to be an inscription the garlands can be run lengthwise, which gives a long central space for the lettering.

Another treatment which is also much admired, is to bring a garland or draping from the left hand cor-

ner across the top to the opposite corner, then another down the left side to the bottom. The center of this garland is quite high and full and occupies about one-third of the surface from the corner. This leaves the right-hand side and bottom without embellishment, but the design is a decorated pillow and in every way desirable. A fringe of swainsonia, sweet peas, pyrethrum or other like flowers around the edge which projects well downward add to and soften the lines. The feet or wire support should always be concealed with asparagus or something else green. The most popular of all the designs is the wreath. There appears to be no end to the combinations possible with this arrangement of flowers. First, the solid foundation of flowers or galax or magnolia leaves, either on the crescent or the full round form; then the artistic placing of the selected blooms and these that are to stand forth and really make the design should be without blemish. They should be placed so that all are seen. So many pieces are made in which flowers are so huddled together that many more are used than required and much of their beauty of form is lost. The old style, even round wreath, into which flowers were stuck until it seemed full all over, has given way to the crescent shape or more artistic arrangement of the simple frame, so that the formal appearance is broken and a new effect produced.

A cluster of gladioli in the center, tapering to a point and covering half the form, is pretty. A combination of

Lilium roseum and album on either a white or bronze magnolia foundation makes a good effect. White roses in the center and lavender or purple asters on either side tapering to a point and covering about two-thirds of the wreath is a good combination. A solid foundation of purple asters, ornamented with Easter lilies, makes a very handsome affair when a good sized piece is required. Water lilies, beautiful in themselves, make a unique piece when used in combination with bronze magnolia. A word about the magnolia—these leaves are fast taking the place of the grand old galax for the reason that they are not perishable. At this season, when there is plenty of time, as many of these wreaths can be made up as there is room to store them and they will always be found in a saleable condition; or, if there is not room to store the made-up forms, the leaves can be stemmed with wire or toothpicks and packed away in the original cases, to be made up as required.

The wrapped crescent wreath of magnolia is sure to attract attention. It is made on a flat crescent frame that is mossed on both sides, one side about two-thirds full and one-third on the other. The leaves are pinned on with small hairpins or shaped pieces of wire, beginning at the narrow part of the wreath, working both ways with small leaves, gradually using the larger ones, and pinning one leaf over the other, the point of the new leaf being drawn back until just covering the wire that holds the old one in place.

Where the ends meet in the center a few leaves are stood out so as to hide the junction. Such a wreath ornamented with deep purple asters and a few sprays of ivy, together with a purple ribbon, is very acceptable for the funeral of an elderly person. All wreaths can be ornamented with ribbon if desired. In most cases it adds to the appearance if turned gracefully amongst the flowers. In cases of large pieces, where lettering is desired, the ends can be tied across the center, or in a standing form are allowed to hang down so that the inscription can be better seen.

The cluster or spray is the first choice of many people and here as in

are easily hidden in the green and yet are pliable enough to give as the completed bunch is handled.

ROBERT KIFT.

Street Sweepings as a Fertilizer.

The use of street sweepings as a fertilizer is treated rather comprehensively in a recent report of the Bureau of Soils of the Department of Agriculture. The report is made as a result of scientific investigation carried on by J. J. Skinner and J. H. Beattie, and shows, speaking generally, that the sweepings are beneficial but not so good as fresh stable manure, at least until they have had the oils from the

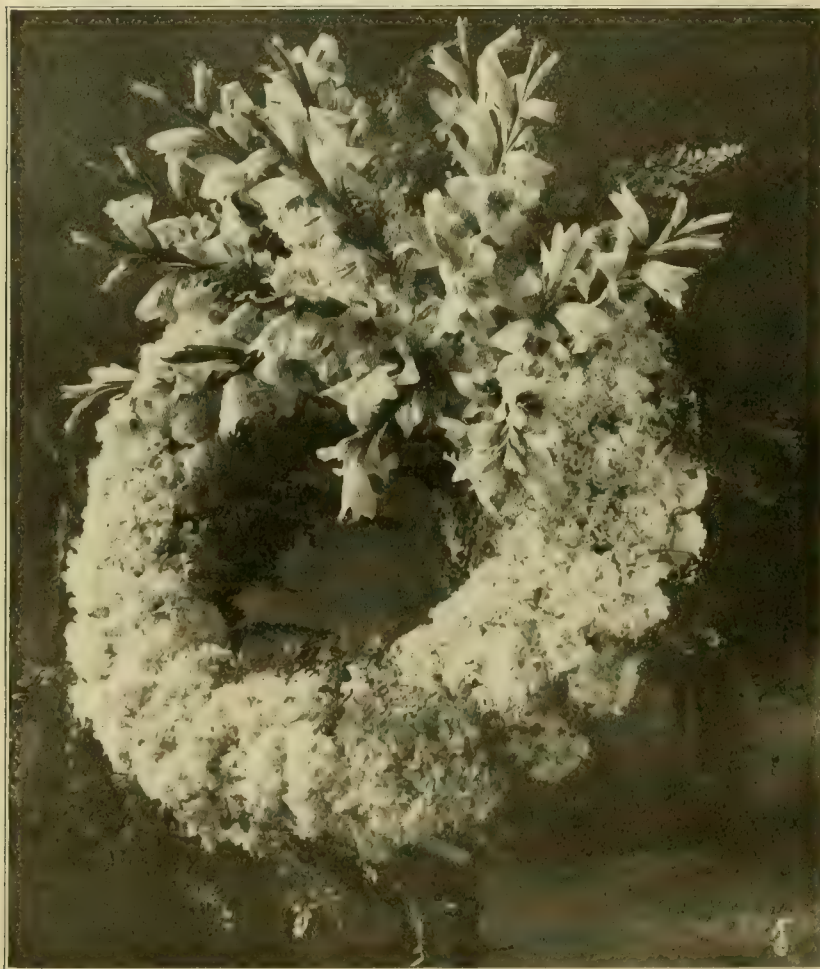
before such fertilizer goes on the ground becomes more and more necessary.

In the government experiments three samples of sweepings were taken. The first consisted of the debris secured by hand sweeping with a brush, the second that swept up with a machine, and the third was the decomposed debris from a dump pile. Apparently there was little physical difference between the first two samples, both being composed of raw horse manure. Sample number three consisted chiefly of well-decomposed horse manure. In the chemical analysis, however, the first sample (that secured by sweeping by hand) was found to contain more nitrogen, potash, and phosphate than either of the others. None of them contained quite so much of any of these constituents, however, as ordinary horse manure fresh from the stable. To test the effects of the sweepings on soil, wheat, corn and radishes were grown in paraffine pots. Five experiments were made in each case, the stable manure being tried at the same time as the sweepings and the natural soil, a clay loam, also being used.

In all cases the fresh stable manure led as a fertilizer, the growth being greater where it was used. That swept up by hand was second each time, with samples numbers two and three following in the order named. The soil which was untreated remained a bad fifth except in the case of the corn experiment, in which the third sample—consisting of manure from the dump pile—was last. The increase over the natural soil amounted, in the case of the stable manure, to forty-six per cent for the wheat test, and thirty-four for the corn test. That for the first sample of street sweepings was thirty-one and twenty-seven respectively. About the same percentage holds good for the radish test. In the case of the sweepings with the oil extracted there was very little difference between it and the fresh manure. To sum up the results of the investigations, it may be safely said that a continued use of the untreated sweepings on the same soil is to be advised against, but that where the oils have been removed the results are not appreciably different from those obtained with ordinary manure from the stable. That the oil is the harmful substance in the sweepings is further borne out in experiments in which oil was used directly, resulting in a harmful and reduced growth.

MINNEAPOLIS, MINN.—The park board is planning an enlargement of the park greenhouses at Lyndale farm, and an appropriation of \$8,000 is asked for this purpose. It is hoped to start the building before November and it is believed the contract will be awarded to the Lord & Burnham Co.

MARSHALLTOWN, IA.—This city is justly proud of the artistic floral display on the grounds of the Iowa Soldiers' Home, for which many compliments have been received from the state board of control and others. There are more than 82,000 plants, mostly in bloom, and they are arranged artistically in the form of emblems, mottoes and flags. The grower has given 800 feet of space north of the main building over to the growing of carnations from which he cuts flowers daily for the hospital sick rooms.



SUMMER FLOWERS IN DESIGN WORK.

Solid Wreath of Double White Petunias with Light Pink and White Gladioli.

the wreath there is a great variety in the form and color scheme of the arrangement. The white or light pink gladioli are good in themselves or as a background in combination with roses or asters or Japanese lilies. Very handsome double sprays for the top of the casket are made with the addition of palm leaves, which project from either end. A wide ribbon bow in the center makes a good finish. When large clusters are desired of roses, asters or other flowers, the stems of which at this season are not long, it is well to keep a supply of light bamboo sticks, which when used to strengthen the backbone of the spray

streets removed. These oils have been found harmful, and while the use of the sweepings proves better than no fertilizer at all, for the time being, it is thought a continued use of such fertilizer without the process of removing the oils may result in injury to the land. This result is especially to be provided against where there is no good drainage system to carry off the harmful properties in the fertilizer. The growing use of the automobile makes it certain that as time goes on the sweepings from the streets of our great cities will contain more and more of this deleterious substance, and an economical method of removing this



FIRST GREENHOUSE OF PETER REINBERG, CHICAGO, BUILT BY M. WINANDY IN 1892.

PLANT NOTES.

Heaths.

During the hot weather the ericas will demand considerable attention. The plants should be plunged in the coolest location possible, yet where they will get the full sunlight. The pots are now full of the very fine roots and if these once get dry the tender roots will burn. There is no plant the florist grows that demands closer watching and more careful watering than the heaths. They are so hard wooded that they do not show neglect as quickly as the softer wooded plants, but if they get once fully dried it means absolute disaster with no flowers the succeeding year. The grower well posted in the culture of these plants can tell at a glance when they should be watered and never neglect them. If the plants are growing unshapely they should be pinched back so that the form will be kept. The plants that are in small pots will need repotting in September; a fine loam with but little fibre and with no manure is to be preferred for these plants, for their fine roots do not like a coarse soil and manure of all kinds should be omitted from the soil in which they are grown.

Mignonette.

The plants of mignonette from seed sown in July will have to be placed in their winter quarters in the bench in September. If extra large and long spikes, that are always so much admired, are wanted, the soil will have to be very rich. To ordinary compost (that is, two-thirds loam and one-third manure), add about as much manure again, making the soil about half and half. The plants should be set about 12 inches apart. Water only around the plant until the roots begin to

spread in the soil. Keep the soil free from weeds, well scratched over and loose, that it may not become sour. The tops should be pinched off until six or eight branches have been formed. The cabbage-worm will soon make its appearance unless this has been guarded against, and if a leaf is found eaten hunt for them at once. When they first make their appearance they are only about a quarter of an inch long. They are green, just the color of the foliage, but have a velvety appearance and are generally found on the midrib of the leaf or on the stem. Hand-picking is the only remedy and it takes sharp eyes to find them, but they must be got rid of or they will soon ruin the plants.

Violets.

It will soon be September and the time to house the plants of the double varieties of violets that are grown in the field, the more successful growers being of the opinion that the plants should be under glass before the season of heavy dews. In preparing the beds have plenty of old leaves; it is not necessary that they be rotted; in fact, leaves gathered last fall are to be preferred, for they will generate a little heat in the soil and the violet plants seem to grow and push their roots into half-rotted leaves better than in leaf-mold that is finely decomposed. A layer of three inches of leaves in the bottom of the bed will prove of great advantage in violet culture. Whatever manure is used should be thoroughly rotted, the violet will not root into fresh manure at all. An old gardener, who was very successful in violet culture, once told us how he prepared his frames. They were made in a similar manner to hotbeds, only instead of manure a foot of leaves was placed at the bottom and eight or ten inches of soil placed on them. The leaves will furnish a mild heat nearly all winter and greatly assist in keeping the

frames warm. We tried that method the following fall and thinking that the leaves would not furnish nutriment enough we incorporated a good quantity of half-rotted manure in the soil, the manure still being more or less lumpy. The violets grew finely and produced an excellent crop of large flowers. In the spring when we lifted the plants we found the roots had all gone into the leaves, there being no feeding roots in the soil, and in making their way through the loam had avoided all the manure, this still being in the lumps that it was placed in the soil. In lifting the plants avoid allowing the roots to become dry; lift with a good clump of soil and do not keep the plants too long in the air, only lifting what can be handled expeditiously. Plant firmly, but avoid walking on the beds; water as soon as planted and water well so that the soil will be firmed around the plants. Shade for a few days until growth starts and then give all the air and light possible.

Hollyhocks.

During August and early September is the right time to sow hollyhock seed for the next season's flowering. Seed sown in the spring will not produce a plant that will flower to any great extent that year, and they will have to be carried over the winter to make good, large plants, but seed sown now will make fine plants for next year. For the last few years the fungus that has attacked hollyhocks has made it difficult to carry the old plants over with any degree of certainty, but with late summer sowing much of this trouble is obviated. Be sure and purchase a good strain of double seed, and sow in a shaded frame, and as soon as large enough pot up in 2-inch pots. Grow them in a frame until November 1 and then pot in 3-inch or 4-inch pots. These can be carried over the winter in a cold greenhouse or in well

protected frames, and started in the greenhouse in March and nice plants for summer blooming be assured.

Alternantheras.

The propagating bed will not be full at this season and it is one of the best times to procure a stock of that splendid carpet bedding plant, the *Alternanthera patens* major. This plant simply refuses to grow during the winter and it is almost impossible to procure cuttings until late, with the result that the plants are necessarily small. Any amount of cuttings can be procured now and they can be easily rooted either in flats of soil or in the propagating bed. When the cuttings are inserted give them a good watering and keep them shady for two or three weeks and they will all root. They can then be placed in flats about one inch apart and placed in a frame outside or in the greenhouse. They can be wintered in a warm dry house on a shelf near the glass, and potted in April, and will make fine plants. The other varieties are much more vigorous and will thrive in a lower temperature. A few old plants can be lifted and propagated in the spring in the usual manner.

Grasses for Shady Places.

Lawn grasses do not thrive equally well in sun and shade. In dense shade it is usually impossible to maintain a turf. This difficulty is especially pronounced in small city yards and in the grass strips under unthinned Norway maple trees on a city street, according to L. C. Corbett and others in Farmers' Bulletin No. 494, on "Lawn, Soils and Lawns." There are three factors that may contribute to this trouble: (1) shade; (2) local drought caused by the twofold action of the tree in keeping rain from the ground under it by the denseness of its foliage, and by the absorption of moisture and plant food by its roots; (3) a possible poisonous action of the tree on the soil as already mentioned. Probably the second factor is the most important as dense foliated shallow rooted trees are the most difficult under which to keep grass. However, in a drought when large open areas of lawns are brown and parched, it is often noticeable that the grass under the limbs of the surrounding trees has the richest color and keeps growing slowly. The Rhode Island bent, creeping bent, and Canadian bluegrass do well in shade. The latter is a grass that is persistent in gravelly lands and under considerable traffic. It does not make as fine a turf as the other shade grasses, it being rather wiry. The red fescue and the sheep fescue are also desirable shade grasses. Unless the sheep fescue is crowded, it is apt to grow in clumps or hummocks. For this reason it is best used in mixtures and where the seeding is heavy. Orchard grass is a coarse grass that also grows in hummocks, but where crowded with some other grass it will often enable one to get a turf where otherwise it is impossible. It should only be used when the better grasses are known not to succeed. In attempting to seed in shade it is advisable to use as many promising varieties as possible in the hope of finding those that will respond to the particular conditions. On broad areas in sun it is desirable to

use just as few varieties as possible. For the small home lot it would be better to use a mixture, for these conditions of both sun and shade have to be met.

By a proper selection of the kinds of grasses sod may often be maintained where the conditions are quite severe. Kentucky blue grass stands shade well, especially where not subjected to severe tramping, and is the basis of shade mixtures as offered by seedsmen. In the South it does better in the shade than in the open. The wood meadow grass is the very best of shade grasses for the regions where Kentucky blue grass and redtop flourish. Formerly this grass was added in large quantities to the ordinary grass mixture to make it a "shady nook" mixture. Its excessively high price in recent years has largely prohibited its use except in a small way.

Along the Gulf coast the grass known as carpet grass is well adapted to shade and is a strong competitor of Bermuda grass for all lawn purposes. It has a habit of growth very similar to that of Bermuda grass, and it is possible that when it shall have been given a thorough test its region of adaptability will be coextensive with that of Bermuda grass. Under some conditions it thrives and maintains itself to even a greater extent than does the Bermuda grass. It also has another advantage in that in cer-

tain localities it produces seed which with little care may be gathered and may become a commercial commodity. Whether or not carpet grass will carry its seeding habits to its northern limits remains to be determined. It is readily propagated from turf, like Bermuda grass, and can be easily established upon a lawn, but it is not so difficult to eradicate if that should be necessary.

Another good grass for shade on clay lands in the moist regions of the extreme South is the large water grass, while the knot grass is good on sand under the same conditions.

So many of the fescue and bent grasses being indigenous to or naturalized in the Rocky Mountains and the neighboring plains, it seems that the lawn grasses of the future for these regions must be found among these plants.

On the Pacific coast south of San Francisco the rye grasses are the most promising for use on sand in shade.

ELMIRA, N. Y.—At the election of officers of the United States Cut Flower Co., recently Seymour Lowman was advanced from secretary to president, succeeding Wm. R. Compton, who died some time ago. Harry N. Hoffman was elected vice-president, and Frank Inksater secretary-treasurer. J. S. Fassett will fill the vacancy on the board of directors occasioned by Mr. Compton's death.



RICHARD VINCENT, JR.
President Society of American Florists.



AUGUST POEHLMANN.

Vice-President Society of American Florists.

The Automobile in the Flower Business.

The horse seems doomed to go, especially as a furnisher of power for the delivery of goods. The automobile has not supplanted this faithful beast of burden entirely and apparently the prediction of a few years ago that it would was unfounded. But as the motor-driven carriage has succeeded the horse-drawn vehicle as a pleasure conveyance, so is it gradually crowding the draft animal to one side and taking its place. The automobile truck is assured of its place for a long time to come, and the lighter auto delivery wagon is also coming in. In common with the other lines of trade, the florists are going in extensively for this mode of delivery and while many still cling to the old-fashioned method, it is a significant fact that those florists who have displaced their horse delivery wagon with the auto, especially since the latter has become really reliable, could not be hired to return to the former method.

There are many arguments for the use of the automobile, and though florists who still use horses are often inclined to scoff at the innovation, it is undoubtedly true that delivery by motor is, on the whole, to be preferred. The first question that naturally arises is that of cost. The fear of an excessive expense account no doubt deters many from displacing their horses

and wagons with motor cars. However, automobile men (and they are corroborated by florists who have made the change) aver that the automobile is in reality no costlier than the horse. One machine costs more than one animal, it is true, but (as in the case of one well known florist), it often means the doing away with a number of wagons and horses and the releasing of a driver or two. The florist referred to bought an automobile two years ago and it has taken the place of three horses and two wagons, while one chauffeur now does the work which formerly required two drivers. The same story might, in effect, be told of other florists in most American cities, Chicago included.

Apart from the initial cost, which may be slightly in excess of that for horses and wagons—though this will depend a great deal on the make—the automobile is in reality the cheaper of the two means of conveyance. The running expenses for the two are nearly equal. A gallon of oil will run a motor truck of 1,000 pounds from 250 to 350 miles, the distance depending a great deal on the condition of the roads, and a gallon of gasoline will be sufficient for a drive of from fifteen to twenty-five miles. The cost of keeping the equivalent of the machine in horseflesh will about equal this, but the automobile costs nothing while not in use, while the horse may

be said to "eat its head off" every time the florist has a slack season. Another very important item is that of quick delivery. The automobile will go three or four times as far as the horse in the same length of time, making more deliveries and a greater trade possible, and also assuring the delivery of all goods in a fresh condition.

One more point in favor of the automobile which the truly progressive florist will hardly dare to overlook is that of appearance. A really handsome automobile delivery wagon with the florist's name in conspicuous lettering serves as a moving advertisement and acquaints the entire city with his name and business and the fact that he is up-to-date. On the other hand, the horse vehicle is apt to advertise the owner in a disagreeable way. People like success and the florist who shows the public that he is doing so well he is forced to use a motor car for delivering his goods has something on the man who still retains his old-fashioned horse and wagon. In wearing qualities, too, a good automobile of modern workmanship will outlast the best of wagons, and to hark back to appearance, the automobile furnishes an opportunity for artistic decorating and consequent advertising which is almost wholly lacking in the horse wagon.

To the florist who contemplates changing to the automobile delivery system, the question comes up as to which car is the best. Before deciding this he should take into consideration the nature of his trade in the present and the outlook for the future. A really serviceable car, one well worth the money, may be had for from \$700 on up. The cheaper cars are, of course, of the lighter weights, but the best makes are all reliable and the wear and tear, especially on the tires, is not so great as on the heavier machines. From \$700 to \$3,000 is the usual price the florist pays and he always finds his money well spent if he takes advantage of all the motor's possibilities. Each car has its own points of excellence and of appeal to the purchaser. The simplicity of design and construction of the Lansden electric makes this a favorite with many in the cut flower business. It is of light weight, but the parts are carefully proportioned, making it substantial, and there is no sacrifice of strength. The low cost of maintenance also makes friends for this machine, and the fact that its simplicity does away with the necessity for an expert chauffeur is an added argument for it. This machine also requires little space and as it uses the Edison storage battery, its service is of the highest order and always dependable. It seems destined to gain new friends with every sale.

More than one-third of all the florists of Chicago are now using motor cars for deliveries and the number is constantly growing. Indeed the florists everywhere are awaking to the fact that the automobile pays for itself many times over. That the next two or three years will see many more motor-driven than horse-drawn delivery vehicles in the flower trade goes almost without saying.

NEW YORK.—The Knight & Struck Co. has been granted a permit to build another greenhouse, 40x100 feet. It will cost \$2,500.

H. Bayersdorfer & Co.

Philadelphia is the center of the florists' supply business of this country and the name of H. Bayersdorfer & Co. is a familiar one in every retail store of any note in North America. More florists' supplies are sent out from this city than are furnished by all the other cities of the country together, and a walk through the establishment of Bayersdorfer & Co. and an examination of their stock will show that they are a large factor in this thriving trade.

Everything in supplies is seen here in quantity, from the largest plant and flower baskets down to the smallest gilt ribbon letters. There is a wonderful variety, many goods that one section of the country never sees being in constant demand in another. Metal flower wreaths and other like designs are largely bought by florists with a cemetery trade, while many stores seldom handle them. Certain odd shaped baskets that some dealers do not care for at all are sold to others by the gross. Shelves are packed with fancy colored raffia mats which go out in gross lots to be used as pot coverings, but which have no call from some dealers, and this follows through all the stock. Mr. Bayersdorfer says, "We have such a variety that we can supply every demand of the trade from the most exclusive city store to the small country florist who grows and retails his product."

Mr. Bayersdorfer makes a personal inspection annually of the European centers of trade, keeping in a close touch with all that is latest and selecting the best for this market, half of their immense warehouse being filled with these importations. The products of their factory are quite equal to the imported stock and a large force of expert basket makers are kept busy the year around making up standard stock and working out original ideas of their own as well as special designs for customers. A complete dyeing system enables them to do all color work and with better results than that done abroad.

K.

Canadian Horticultural Association.**FIFTEENTH ANNUAL CONVENTION**

After the close of the first session, a report of which appeared in our issue of August 10, page 115, President A. C. Wilshire's reception was held at his residence, where he and Mrs. Wilshire heartily welcomed the guests. From the reception the guests went in a body to Dominion Park. They were preceded by the famous Victoria Rifles band.

C. H. Janzen, treasurer, read his report at the second session and H. E. Philpot and Edw. Dale were appointed auditors. J. Connor urged the meeting to take steps to gain new members and to urge the appointment of one of the members to the new park commission by the provincial government. Complaint was made by H. L. Janzen that the government employed incompetent men to fumigate imported nursery stock. The tariff question was now taken up and discussed and a permanent tariff committee was appointed. The members are J. Connor, Jas. McKenna, H. Simmers, E. A. Mepstead and W. W. Gammage.

The report of the judges on the trade exhibit was now read. H. Bayersdorfer & Co.'s exhibit of florists'

supplies was awarded a diploma. The Dale Estate, Brampton, exhibit of florists' supplies, cut chrysanthemums, ferns and orchids was also awarded a diploma. The Wm. Ewing & Co., Montreal, exhibit of tools and garden supplies, was awarded a diploma. The Dupny & Ferguson exhibit of tools and garden supplies was awarded a diploma. E. Hayward, St. Paul, Minn., exhibit of commercial ferns and palms was highly commended. The Craig & Hutchins exhibit of cyclamens and commercial ferns was also highly commended. The G. M. Taylor, South Bolton, exhibit of native greens and sweet peas, highly commended. The Moorehead Steam Trap Co., the Montreal Paper Box Co., and a few others got honorable mention.

Wm. Gammage's paper on the cost of production of florists' stock provoked an extended discussion. Money was freely promised to employ an expert to get at the bottom of this question, but no concrete action was taken. Geo. M. Geraghty's paper on "The Management of a Retail Store" was read by the secretary at the third session, Mr. Geraghty being absent. It also was thoroughly discussed, especially by the retailers, who were most interested in store management. T. Manton now read his paper, "Commercial Orchids." This was one of the best of the meet-

ing. The description of the Osmunde fibre was very interesting. One could almost see it grow.

Peterboro was selected for the next convention at this session. There were many questions turned in, some very lengthy, and a number of these were answered.

The fourth session was taken up with the election, the final resolutions, and the rest of the questions were disposed of. H. Dilleuth was absent and the practical demonstration in cut flowers did not take place. The motion that the offices of secretary and treasurer be changed to one was carried.

The entertainments planned by the Montreal Gardeners and Florists' Club were carried out very successfully. Wm. C. Hall, the club's president, was indefatigable in looking after the delegates and everything on the programme was most enjoyable. The harbour inspection was an eye-opener to all. Never before did they see the inside of the "works." The city drive was much enjoyed, as was the lunch on top of Mount Royal. The trip to St. Anne's and Macdonald College was a fitting climax to the convention. The grounds were in splendid condition after the recent rains. Lunch was provided by Lady Clouston and R. B. Angus. Bob Burrows was an able director and everything was thrown open, even the

**JOHN YOUNG.**

Secretary Society of American Florists.



WM. F. KASTING.

Treasurer Society of American Florists.

peach houses and cellars. It was agreed that the association's banquet was the best ever. A. C. Wilshire and Mrs. Wilshire were given handsome presents by the members, who all agreed that this was the most successful convention so far held.

The new officers elected are: Walter Muston, Davisville, Ont., president; H. B. Cowan, Peterboro, Ont., first vice-president; Geo. Hopton, Montreal, Que., second vice-president; Julius Luck, Montreal, secretary-treasurer. Executive committee—Three-year term: John Milford, Sherbrooke, Que.; F. Wise, Peterboro, Ont.; A. Ferguson, Montreal, Que. Two-year term—J. Graham, Ottawa, Ont.; A. H. Ewing, Woodstock, Ont.; H. J. Mullies, Brampton, Ont. One-year term—A. Amandale, Toronto, Ont.; F. S. Cersman, London, Ont.; E. A. Mepstead, Ottawa, Ont. Auditors—Jas. McKenna and Jos. Bennett, both of Montreal.

THE PRESIDENT'S ADDRESS.

Ladies and gentlemen, members of the Canadian Horticultural Association:

I esteem it a great honor and privilege to address a few words to you, as president, at this, the opening session of our fifteenth convention. I think we have every reason to congratulate ourselves on the position we, as a society, occupy today. We have passed the time when there could be any doubt of our being a permanent force in the horticultural history of our country. It is true our members

are comparatively few, but they are increasing and our prospects for the future are bright.

We meet here partly for social, and partly for business purposes. As those engaged in a common means of livelihood, we wish to get into personal contact with each other, to get an interchange of ideas, and converse without that stiffness and formality that enters ordinarily into our business dealings. We also wish and expect to extend our business by showing samples of our goods and productions. With this object, we have our trade exhibit, a cheap and effective form of advertising, that is not taken full advantage of by growers and dealers in supplies. Although immediate results may not be large, persistent efforts in this direction must have the desired effect. To encourage those who have exhibited this year, I would ask the members to go carefully through the exhibits, and, if they see fit, to place an order.

If our society is to grow in importance and influence, means must be provided to hold together our present membership, and gather in those who, so far, have either held aloof or have lost their interest and dropped out. If given something to do, they (especially those who are unable to attend our conventions) would feel an interest in the society. I would suggest that our vice-presidents be appointed from large commercial centres, and that the members in that locality act with them in considering matters that might arise from time to time, affect-

ing the trade or profession. The recommendations could be dealt with by the central committee with better knowledge of the facts, and our influence as a body could be used to correct these difficulties.

These questions might include such as the proper interpretation of the tariff on plants, cut flowers, etc., the improvement of the status of the private gardener, and the dumping or slaughtering of stock. There will probably be a revision of the tariff during the coming year, and this society should be prepared to lay before the ministers the opinion we, as a society, hold regarding changes thought advisable. The provincial government of Quebec is about to select members of a board to act as park commissioners, the intention being to lay out a system of parks in and around Montreal. I think this association should suggest to the government the advisability of naming among these members at least one practical man of known ability in this city.

Our trade paper is making somewhat slow progress, but the responsibility for this rests largely with ourselves. More matter of a practical nature is needed, and this the editor is striving to obtain, but meets with little encouragement. I would appeal to all to support this medium of information, by contributing articles, or notes which would make it more interesting and helpful. We have again met with some difficulty in inducing our best men to furnish essays for our programme. But if those we have are discussed thoroughly and full use is made of the question-box, our time will be well spent. A little longer time than usual is provided for sight-seeing and social intercourse. We trust no one will find it too long or think of leaving until the last minute.

M. Rice & Co

The elaborate and handsome catalogue for 1912 just issued by M. Rice & Co. shows a wonderful and complete assortment of everything that is used in the way of supplies for the up-to-date retail florist. A walk through their factory and store rooms, the ten floors of which are packed to repletion, shows that the goods are all there, ready to be shipped off at a moment's notice. Immediate delivery is one of the first rules of the house, this being possible on account of the large stock always ready to select from. One hundred and fifty thousand cypresses leaves for one item will give some idea of the size of the general stock. Everything staple is seen in large quantities.

A four-story fire-proof annex immediately in the rear of the old building has been added the last year. In it is the paint shop and the dyeing department, and it contains large storage facilities. B. Eschner, who is now sole proprietor, says that the company is able to manufacture much stock that heretofore had to be brought from Europe. A compressed air electric power machine is used in coloring baskets, some very beautiful iridescent effects being seen that would have been impossible to get with a brush. Two-tone effects in various shades give a coloring that is very striking and beautiful.

Many of the baskets and other articles manufactured are creations of their own, something new being turned out all the time. An electric lamp stand of wicker with a handsome shade is a beautiful ornament that will fit in well with many choice decorations. There are whole floors filled with recent importations of the best baskets and vases from European makers, many of them unique in shape and color. Ribbons are a specialty and are seen in large assortment. A new waterproof wire-edged ribbon for the handles of corsage and other bouquets will certainly become staple.

They are sole agents for an album of colored photographs of designs, gotten up by F. C. W. Brown of Philadelphia and Toronto, Canada. Mr. Brown is a first-class floral artist, as well as a photographer and this combination has enabled him to produce the best work of this kind that we have ever seen. It should be a great seller. The Rice company will be represented at the convention with a great display of their goods. B. Eschner, F. J. Farney, A. Zirkman and Robert Shock, all live wire salesmen, will take great pleasure in pointing out the merits of the exhibit.

Our Portraits.

We present in this issue portraits of some of the well-known men identified with the Chicago trade.

W. N. Rudd—President of the Mount Greenwood Cemetery Association, and chairman of the badge and ticket committee.

J. C. Vaughan—Head of Vaughan's Seed Store, and chairman of the finance committee.

Geo. Asmus—Ex-president of the Society of American Florists, and chairman of the souvenir committee.

Geo. Reinberg—Grower and wholesaler.

Peter Reinberg—Prominent grower, and chairman of the wholesale flower growers' committee.

P. J. Foley—President of the Foley Mfg. Co. and the Chicago Florists' Club, and chairman of the entertainment committee.

N. J. Wietor—Member of the firm of Wietor Bros., and treasurer of the convention organization.

W. L. Kroeschell—Head of the firm of Kroeschell Bros. Co., and chairman of the allied trades committee.

Ernst Weinhoeber—Well-known retailer, and one of the reception committee chairmen.

C. A. Samuelson—A prominent retail florist, and chairman of the retailers' committee.

J. F. Kidwell—President and manager of the Chicago Flower Growers' Association, and one of the chairmen of the reception committee.

J. B. Deamud—Head of the J. B. Deamud Co., and chairman of the hotels and miscellaneous committee.

J. M. Clark—Connected with the Leonard Seed Co., and chairman of the seedsmen's committee.

C. M. Dickinson—The active head of E. H. Hunt's, and chairman of the florists' supplies committee.

E. F. Winterson—Well-known wholesale florist, treasurer of the Chicago Florists' Club and chairman of the sports committee.

Louis Wittbold—Head of the Geo. Wittbold Co., and chairman of the decorations committee.

C. F. McCormick—Secretary of the Chicago Florists' Club and convention trade committees.

E. A. Kanst—Landscape architect and nurseryman, and chairman of the nursery committee.

Frank Oechslin—Well-known plants-

man and chairman of decorative exhibits committees.

C. L. Washburn—Active head of the firm of Bassett & Washburn, and trustee of the Chicago Florists' Club.

D. A. Robertson—Vice-president of the Chicago Florists' Club and chairman of the president's reception committee.

John Poehlmann—President of Poehlmann Bros. Co.

H. N. Bruns—Well-known lily of the valley grower and trustee of the Chicago Florists' Club.

Henry Wietor—Member of the firm of Wietor Bros.

O. P. Bassett—Founder of the firm of Bassett & Washburn.

E. C. Amling—Founder and head of the E. C. Amling Co.

A. L. Randall—Principal of the A. L. Randall Co.

Robert Newcomb—Representative of Vaughan's Seed Store and chairman of the hotel accommodations committee.



Mrs. Borne, Baltimore, Md.

President Ladies' Society of American Florists.

Andrew McAdams—One of the pioneer growers and retailers.

Emil Buettner—Grower and authority on cultural matters.

Adolph Poehlmann—Member of Poehlmann Bros. Co.

C. W. Johnson—The chrysanthemum and carnation expert.

A. H. Budlong—Greenhouse manager at J. A. Budlong's.

Chas. W. McKellar—Long known as a wholesale florist.

H. S. Garland—Member of the firm of Geo. M. Garland Co.

Alex Henderson—Head of the firm of A. Henderson & Co.

Fred Kanst—Identified with the south side park system.

Otto W. Frese—Sales manager of Poehlmann Bros. Co.

S. F. Leonard—Head of the Leonard Seed Co.

Phil Schupp—Manager at J. A. Budlong's store.

H. Van Gelder—Manager of the firm of Percy Jones, wholesale florists.

Carl Cropp—One of the junior partners in Vaughan's Seed Store.

Wilder S. Deamud—Member of the J. B. Deamud Co.

Arnold Ringier—Secretary and manager of the W. W. Barnard Co.

John Kruchten—Wholesale florist.

J. F. Ammann—Secretary of the Illinois State Florists' Association.

Ed. Meuret—Vice-President of the Chicago Flower Growers' Association.

A. Dietsch—Head of the A. Dietsch Co.

E. E. Pieser—Head of the firm of Kennicott Bros. Co., wholesale florists.

Chas. W. Erne—Member of the firm of Erne & Klingel, wholesale florists.

Anton Then—Grower and treasurer of the Chicago Flower Growers' Association.

A. T. Pyfer—Manager of the Chicago Carnation Co.

F. F. Benthey—One of the pioneers.

D. E. Freres—Wholesale florist.

Fred G. Klingel—Member of the firm of Erne & Klingel, wholesale florists.

Wm. A. Peterson—Head of the Peterson Nursery.

John Zech—Member of the firm of Zech & Mann, wholesale florists.

A. L. Vaughan—Wholesale florist.

Frank Johnson—Sales manager of the A. L. Randall Co.

John Sinner—Wholesale florist.

Geo. C. Weiland—Secretary of the Chicago Flower Growers' Association.

L. H. Winterson—Of Winterson's Seed Store.

Fred Lautenschlager—Representative of Kroeschell Bros. Co.

Geo. M. Garland—Head of the Geo. M. Garland Co.

Geo. Sykes—Chicago manager of the Lord & Burnham Co.

Chas. Loveridge—President of the Illinois State Florists' Association.

P. W. Peterson—With the J. D. Thompson Carnation Co., Joliet.

John Degnan—Of Winterson's Seed Store.

E. A. Ollinger—Market representative of THE AMERICAN FLORIST.

T. E. Waters—The Poehlmann Bros. Co.'s supply man.

F. L. Washburn—Treasurer of the Illinois State Florists' Association.

N. J. Rupp—Member of the J. C. Moninger Co.

Proposed Publicity Campaign for Flowers.

The following communication has been received at this office without the name of the sender:

"The committee appointed by the New York Florists' Club to appear before the convention of the S. A. F. & O. H. at Chicago to obtain the endorsement of this movement by the society and its assistance in starting the campaign, has received the support of the florist clubs of several of our leading cities, which clubs have appointed committees to act with the New York committee at the convention. The New York committee will, at the convention, present a resolution asking for the appointment of a general standing committee to conduct the campaign, its membership to embrace one delegate from each florist club organizing a publicity committee before October 1 of each year, such general committee to direct the work of the local committees, which latter are to conduct the campaign within their respective districts. The S. A. F. committee would be expected to go into session annually at the society's conventions, receive the reports of the local committees, review the work as a whole and formulate plans for the continuance and extension of the campaign. The New York committee has devoted much time to consideration of the project and ways and means to put it into operation, and it is hoped that the campaign will be started at the Chicago convention."

CINCINNATI, O.—Henry Meazer, who has finished erecting greenhouses in Reading Wood, is preparing to build a "florists' emporium" at the same place.

Pittsburg.**BUSINESS FAIR.**

The business of the last week was very fair, considering the season. There were some large orders for funeral work and a fair bench trade. In addition to the supply of greenhouse stock, a noticeable feature has been the profusion of outdoor stock, gladioli being very prominent. Phlox and the old fashioned tiger lilies, the latter being used with good effect in some stores for window display, are also popular. Asters are now arriving in quantity and of better quality than they were a week ago. Very good stock of Kaiserin, the Killarneys and My Maryland roses are seen. The carnations are fast disappearing; they had to go to make room for the new crop.

NOTES.

The new show room and conservatories of Randolph & McClements in connection with their new store at Penn Avenue and Whitfield Street, are rapidly nearing completion. About all that now remains to be done is the pipe-fitting and the placing of the fountain and rockery in the show room. When all this is finished this establishment will come so near to being the finest in the country that there will be little ground for argument on that point. A good feature of the location which shows foresight in its selection is that nobody can put up a tall building that may overshadow theirs. Located on a corner, on the other side is a wide lawn, surrounding one of the leading churches and the possibility of it going on the real estate market is very remote. The front of the conservatory on Penn Avenue is a beautiful execution in plate and ornamental glass, while there is even more space for display on the Whitfield Street side. In addition there is another greenhouse behind the show room and another over the wagon and shipping shed, the whole comprising a glass area of nearly five thousand square feet.

B. L. Elliott, who now owns the plant growing business known as the John Bader Co., has erected three new greenhouses this summer at the Troy Hill range each 21x125 feet. The material was furnished by the Lord & Burnham Co. The houses are very staunchly built and have cast iron gutters, the posts being anchored in concrete, of which the sides and foundation are constructed. At this range an immense number of palms and ferns are grown from seed. The growing stock of palms and ferns is very fine. There are also about 800 tubs of large imported Kentias, and several thousand in sizes up to 6-inch pots from their own seed. There are six houses in ferns of different varieties. Mr. Elliott will force 10,000 azaleas for Easter.

P. S. Randolph, Jr., is taking a very active interest in their new range of 25,000 square feet of glass which is located near the city line. The firm name is P. S. Randolph & Sons and we understand that it is a separate business from that of Randolph & McClements.

During the absence of Edward McCallum, who is on his vacation, J. B. Martin supplies his place in the store. Miss Kyle, bookkeeper at this store, has gone to Rochester for her vacation. Theo. McCallum has returned from a trip to Buffalo and other northern points.

One of the very handsome stores of this city is that of the Zieger Co. Inc., on Baum Street, East End. The company is pushing an automatic plantstand of their own invention which will be seen in H. Bayersdorfer & Co.'s exhibit at the Chicago convention.

John Bader, who was married about

a month ago to Mrs. Edlefsen, once a Pittsburg florist, has retired from business and he and Mrs. Bader have made their home at Lorraine, Oregon.

W. Jarvis Smith, treasurer of the A. W. Smith Co., was at the Pittsburg store during the past week. A. W. Smith, Sr., who has been quite unwell, is now improved in health.

Ray J. Dasbach has been making fine window displays with the old fashioned "tiger" lilies. He is another retailer who expects to make the Chicago trip.

Much interest was manifested in the free distribution of flowers August 9 among the children at the closing of the vacation schools.

G. P. Weaklen, South Highland avenue, is so well pleased with the season's business that he has decided to see the convention.

S. McClements was at Bar Harbor, Me., during the past week, superintending an elaborate wedding decoration.



Chas. Graham, Cleveland, O.
S. A. F. Chairman Sports Committee.

Albert Landsettel has bought the retail store formerly conducted by M. J. Steiner at 6255 Frankstown avenue.

A "for sale" sign is on the property of Frank Byers & Son, Westview.

Mrs. Ella A. Williams is at her summer home near Lake Erie.

Louisville.

The annual convention of the American Federation of Catholic Societies is held here August 18, and one of the features will be a grand parade with many floats depicting historical, religious, educational and patriotic scenes. The decorating of the floats will require plants and cut flowers and will help the florists in the dull season.

P. G. Reynolds, while ill last winter, met with the loss of nearly all the stock in his greenhouses by freezing, but Mr. Reynolds pluckily got things in shape again and he is producing quantities of asters, lilies, carnations, etc.

A. Rasmussen has recovered from his recent illness and will attend the Florists' convention with his family, making the trip in an automobile. He intends to make a leisurely journey, taking three days to go.

The son of E. G. Reimers has

graduated at the state agricultural college and has accepted a position with Donaldson & Co., Warsaw, Ky.

Henry Fuchs has had his greenhouse establishment newly painted and everything looks bright as new.

J. G. Billman & Son have been bringing in fine America and Augusta gladioli.

The Deer Park Conservatory Co. has begun work on its new plant.

Nanz & Neuner are making extensive improvements.

Flowers of all kinds are rather poor in quality and the demand is light.

H. G. W.

Rochester, N. Y.**MUCH STOCK WASTED.**

Much good stock has gone to waste during the last two weeks on account of the slackness of trade. Each florist has the same story to tell and the paint brush and hammer are much in evidence. Golden Glow chrysanthemums are now on the market and are very good. Asters and gladioli sell well, the lighter shades of the latter being most called for. Roses and carnations are good but there is no demand for them.

NOTES.

Recent visitors: Mr. Berg with Lion and Co., New York; Thos. Cogger, with N. F. McCarthy & Co., Boston.

Mrs. Frank Fox, of Wayland, is still sending some good sweet peas to the city, and they find a ready market.

Salter Bros. are filling in spare time by erecting new benches at their Park avenue greenhouses.

Miss Lillian Wheeler will spend the last two weeks of August at Conesus Lake.

Albert Young left Aug. 16 for Atlantic City, where he will spend some time.

Chas. Suhr is cutting some excellent Golden Glow chrysanthemums.

Charles Curtis expects to attend the S. A. F. convention.

Felix Alberts reports a fair trade considering the season.

C. G.

Twin Cities to Chicago.

The Twin City florists will go to Chicago in special cars on the Pioneer Limited, over the C. M. & St. P. Ry., leaving Minneapolis at 8 p. m. and St. Paul at 8:40 p. m., Monday, August 19. The following persons are booked to go: From Minneapolis—C. F. Rice and wife, A. S. Rice and wife, C. N. Ruedlinger and wife, H. Rosacker and wife, H. Will, W. F. Holmes, O. H. Carlson. From St. Paul—L. R. Cady, August Vogt, N. C. Hansen, A. W. Lemke, F. Gustafson, S. D. Dysinger, F. W. Topel, O. R. Eckhardt, A. Zachman. Others will no doubt join the party later. Several will go ahead of the party and will meet at Chicago. All Northwestern florists are invited to join the Twin City florists on the trip. Berth reservations may be sent to either the Minneapolis or St. Paul agent of the C. M. & St. P. Ry. Co., or to S. D. Dysinger, St. Paul, state vice-president of the S. A. F.

S. D. DYSINGER, Sec'y.

DILLON, MONT.—Horne & Greiner of Helena, have purchased a plat of ground here and will erect a greenhouse immediately and others as business requires.

FITCHBURG, MASS.—Geo. H. Hastings, teacher of agriculture in the normal school here, has made the state a gift of a greenhouse, 28x150 feet, to be used for purposes of instruction.

San Francisco.

STOCK IMPROVING.

Market conditions as to prices and supply continue about the same as the preceding fortnight, the quality of the stock, however, slightly improving. Best American Beauties are still selling for \$1.50 a dozen, a few specials bringing \$2. The usual commercial roses move at 25 cents a dozen, while some good outdoor Ulrich Bruner bring 37½ cents. A few of the downtown stores are showing a few clever little bunches of Mrs. Aaron Ward, which bids fair to share the popular favor with Cecil Bruner. Cattleyas are plentiful at the usual rate. For carnations you may name your own price. Outdoor stock, with the exception of sweet peas, is overplentiful.

THE FALL EXHIBITION.

The Fall Exhibition committee of the Pacific Coast Horticultural Society held their initial meeting and organized for business by electing Angelo J. Rossi, manager; H. Plath, assistant manager; Eric James, treasurer, and Thos. F. Taylor, secretary. A preliminary premium list was arranged and ordered printed. Chas. A. Cooke, one of the few honorary members of the society offered a premium cup from the Hotel Fairmont, of which he is manager. It was announced that Mrs. Jas. L. Flood, of Menlo Park, has offered a very valuable cup to be presented to the best exhibit in the show, this award to be won three years in succession to become the permanent property of the holder. The date of the show will be set at the next meeting.

NOTES.

The flower shops are displaying a card announcing their closing on Sunday, August 25, the picnic day of the Horticultural Society. Pete Matraia is actively engaged as chairman of the committee in arranging a program of games and athletic events for the picnic, one feature being a tug of war in which the florists will pull against the growers. D. Mac Rorie on account of his Taft-like proportions has been chosen anchor man for the growers.

During the spring F. T. Schlottz-hauer, of the Francis Floral Co., gave away over 3,000 small plants of Shasta daisies. The practical assistance rendered the "city beautiful" movement is evidenced by the quantity of Shasta blooms to be seen in the Richmond district and other suburban parts of the city.

The Union Florists, Benedetti & Corvi, have a card in their well-stocked window announcing, "We do not patronize Japanese." They evidently desire to conduct their business to harmonize with the firm name, the labor unions forbidding the patronizing of Asiatics.

Pelican & Rossi's windows are attracting much attention with a display of hydrangea paniculata in 8-inch fern pots. These plants, elegantly done, were grown by E. James & Co. of Elmhurst.

Henry Mohr reports an average July business with counter sales light, the principal business being funeral work.

Messrs. Kennedy and Brown are away on a vacation, as is Amiel Canepa, of Canepa Bros.

Geo. F. Otto motored up from San Diego recently and evidently enjoyed his 600-mile trip.

The Frank & Parodi Co. is showing a fine line of Kentias in its McAllister street store.

SOCIETY MEETINGS.

The recent meeting of the Pacific Coast Horticultural Society was one of the best attended and most representative ever held in the history

of the society. The occasion was the complimentary smoker tendered H. Plath, D. Mac Rorie, Julius Epstein and the society's president, Angelo J. Rossi, prior to their departure to the convention of the S. A. F. At the short business session preceding the smoker, J. D. Avansino and G. E.



Chicago Parks.

Statue of Linnaeus, Lincoln Park.



Chicago Parks.

Statue of Humboldt, Humboldt Park.

Stanger were elected members. Applications were received from G. W. Appleby, Jas. Bostock and Chas. Shaw. E. W. McLellan showed some Killarneys and My Maryland that were very good for the season. William Kettlewell and Thos. A. Munro showed excellent dahlias and the Mac

Rorie & McLaren Co. exhibited a handsome cattleya dowiana with 28 blooms. A fine 4-foot specimen adiantum from H. Plath's collection was much admired. After the business meeting the members adjourned to the banquet hall where they were received by the entertainment committee, who served a collation as varied as it was liberal. Singers and entertainers added to the pleasures of the evening. Walter Eglington recited in good style and M. Pos scored his usual hit with vocal selections, accompanied on the piano and violin by Chas. Crogan and T. F. Taylor. The enjoyable affair broke up at a late hour with handshaking and wishing bon voyage to the departing members, with the hope that San Francisco would be favored with the convention of 1915. T.

Davenport, Ia.

DRY WEATHER HURTS BUSINESS.

Business in the tri-cities has been rather dull the past two weeks. Funeral work is about all that is doing, and there is not much of that. Flowerers have been scarce and of poor quality, owing to the extreme heat and dry weather. There has been no rain for nearly a month, and outdoor flowers are suffering in consequence. Asters are plentiful, but not large. Gladioli and tuberose are coming in but find few buyers. Dahlias have also made a showing though they need rain badly.

CLUB MEETING.

The August meeting of the Florist Club was held on the afternoon of August 8 at the Alta Vista Nurseries. The crowd was met at the end of the car line by autos and was taken out to the nurseries early enough in the day for all to inspect the grounds and stock. The boys were all pleased with the fine and large grounds, the immense stock of trees, shrubs, etc., and the way everything was grown. After the inspection of the farm came a social hour and then the supper, which everyone agreed was just right. The meeting then was called to order and bills and claims allowed for the annual picnic, which was held July 11. "Flowering Shrubs" was the topic up for discussion. The Chicago convention received its share of attention, and a party of about fourteen will represent the club there.

NOTES.

Supt. C. E. Boehm will leave next week for Boston to attend the convention of park superintendents. He will also take in the S. A. F. convention at Chicago.

Some of the growers have finished planting carnations, but most of them will have to wait for a rain, as it is impossible to lift them at present.

Harry Bills is remodeling and painting his downtown store and getting things in fine shape for the expected big fall business.

Geo. Ewoldt of Ewoldt Bros., took a 700-mile auto trip recently, touring Iowa and Nebraska, on his annual vacation.

Anderson & Torepsen, of Moline, will entertain the Florists' Club in September, the date to be announced later.

Wm. Knees is well again and is taking a lively interest in business affairs.

Charles Hummel is putting the finishing touches on his new greenhouse.

Henry Pauli is busily engaged building a fine office and workshop.

Ewoldt Bros. will cut their first mums—Golden Glow—this week.

FRANKLIN, MICH.—The Oakland County Horticultural Society held a meeting at L. B. Flint's fruit and stock farm at Novi, August 10.

OBITUARY.

Mrs. Catherine Osgood.

Mrs. Catherine Osgood, widow of Charles Osgood, died suddenly at her home in Boston, Mass., August 3. Mrs. Osgood had not been in good health for some time but was not considered critically ill until suddenly stricken shortly before her death. She was 72 years old and six years ago, shortly after the loss of her husband, she established a flower shop. With the help of four of her sons she built up a good business. She is survived by six sons: Fred W., Willard S., George F. and Frank T., all of Boston, and Samuel B. of Portsmouth, N. H., and Hiram N. of Philadelphia. The funeral was held August 6 at the home.

Joseph M. Cole.

Joseph M. Cole, one of the pioneer florists of Peoria, passed away at the age of 58, August 9, 1912, after a lingering illness of three or four years. Mr. Cole was one of the first to open a flower store in Peoria but sold out his business in 1894 and since then has not been actively engaged in the business. However, he always took a deep interest in anything pertaining to floriculture. He was a member of the Masons and Knights of Pythias, fraternal orders, which had charge of the funeral services. He was laid to rest in Springdale cemetery at 2 p. m., August 11.

Westchester and Fairfield Hort. Society.

SECOND ANNUAL OUTING.

The Westchester and Fairfield Horticultural Society held its second annual outing at Rye Beach, on Wednesday, August 7. More than 150 members attended, most of them accompanied by their wives and children. The games were all well contested, valuable prizes were carried home by many, and as for the dinner, just ask anyone who was there! To put it briefly it was the most successful outing ever held. The three contests between Westchester and Fairfield—quoits, football and tug-of-war—were won by Westchester. The results of the different contests were as follows: Running broad jump—W. J. Sealey, first; J. B. Roy, second. Putting the shot—Th. Atchison, first; J. Atchison, second. High jump—tie between W. J. Sealey and J. B. Roy. Quarter-mile race—A. Clarkson, first; A. Possell, second. Standing broad jump—J. B. Roy, first; W. J. Sealey, second. 100-yard dash—W. J. Sealey, first. Fat men's race—J. Manda, first; J. Stuart, second. 50-yard race, for men over 50 years of age, for silver medal presented by Oscar Frankel, Yonkers, N. Y.—Jack Henderson, first; J. McAllister, second. Walking match for same prize on same conditions—Wm. Smith, first; J. Henderson, second. Girls' race—H. Addor, first; M. Addor, second; H. Croner, third. Boys' race—B. Freymond, first; J. Flod, second; F. Henderson, third. Ladies' race—Mrs. A. S. Peterson, first; Mrs. Wright, second. Mrs. R. Wester of Mamaronock won the prize for the most beautiful lady present.

OSCAR ADDOR,
Cor. Secy.

Convention Sports.

OFFICIAL PROGRAM.

The official program of the convention sports is out and shows a great number of interesting contests and valuable prizes to be awarded the winners. On August 22, the third day of the convention, there will be bowling contests for both men and women as well as a prize shoot. The ladies will indulge in an individual bowling contest at Bensinger's al-

leys, 29 W. Randolph street, at 10 a. m. August 22. The individual contest for men will take place at 2 p. m. at the same place. The shooting contest will be held at 2 p. m. the same day, at Peter Reinberg's farm, Kedzie and Devon avenues. Contestants are expected to meet at Bensinger's alleys at 12:30 sharp. Peter Reinberg is the captain. At 4 p. m. of the same day the men's team bowling contests will take place at Bensinger's.

The fourth day, August 23, will be the day of the big field meet at Ravinia park. There will be all kinds of races and field sports, beginning at 11 a. m. sharp. At 1 p. m. at the Ravinia park ball grounds the Chicago Florists' Club ball team will battle with the Society of American Florists all star club.

All contestants must be members of S. A. F. and those taking part on the Chicago Florists' Club team must belong to that organization. Ladies must be members of the Ladies' S. A. F.

The contests and the prizes to be awarded are as follows:

LADIES' INDIVIDUAL BOWLING.

First prize, greatest no. pins in 2 games—Silver loving cup given by Detroit Flower Pot Co., Detroit.

Second prize, second greatest no. pins in 2 games—coral chain given by H. A. Dreer, Philadelphia.

Third prize, third greatest no. pins in 2 games—silver cup given by Moninger Co., Chicago.

Fourth prize, fourth greatest no. pins in 2 games—cut glass wine pitcher given by C. W. McKellar, Chicago.

Fifth prize, fifth greatest no. pins in 2 games—silver buckle given by The American Florist, Chicago.

Sixth prize, sixth greatest no. pins in 2 games—silver hand bag given by Percy Jones Co., Chicago.

Seventh prize, seventh greatest no. pins in 2 games—Eastman kodak given by Sam Seligman, New York.

Eighth prize, eighth greatest no. pins in 2 games—basket given by M. Rice, Philadelphia.

Ninth prize, ninth greatest no. pins in 2 games—silver buckle given by The American Florist, Chicago.

Tenth prize, tenth greatest no. pins in 2 games—basket given by Raedlein Basket Co., Chicago.

Eleventh prize, high single game—silver spoon given by Mrs. F. Traendly, New York.

Twelfth prize, greatest no. strikes in 2 games—silk umbrella given by Lubliner & Trinz, Chicago.

Thirteenth prize, greatest no. spares in 2 games—cut glass bowl given by F. Lautenschlager, Chicago.

Fourteenth prize, greatest no. railroads in 2 games—pair gold cuff buttons, given by E. Wienhoeber Co., Chicago.

Fifteenth prize, special for each 200 in game—cut glass vase given by Sefton Box Co., Chicago.

MEN'S INDIVIDUAL BOWLING.

First prize, greatest no. pins in 3 games—leather suit case given by Pennock-Meehan Co., Philadelphia.

Second prize, second greatest no. pins in 3 games—gold umbrella given by Holton & Hummel, Milwaukee.

Third prize, third greatest no. pins in 3 games—leather traveling bag given by Vaughan's Seed Store, Chicago.

Fourth prize, fourth greatest no. pins in 3 games—gold umbrella given by Hummel & Downing, Milwaukee.

Fifth prize, fifth greatest no. pins in 3 games—leather traveling bag given by A. Lange, Chicago.

Sixth prize, sixth greatest no. pins in 3 games—box cigars given by Geo. Asmus, Chicago.

Seventh prize, seventh greatest no. pins in 3 games—umbrella given by A. L. Randall Co., Chicago.

Eighth prize, eighth greatest no. pins in 3 games—suit case given by W. H. Kidwell, Chicago.

Ninth prize, ninth greatest no. pins in 3 games—order and hand case given by Douglas Blvd. Floral Co., Chicago.

Tenth prize, tenth greatest no. pins in 3 games—umbrella, given by Fritz Bahr, Highland Park, Ill.

Eleventh prize, greatest no. strikes in 3 games—umbrella, given by Fritz Bahr, Highland Park, Ill.

Twelfth prize, greatest no. spares in 3 games—umbrella, given by Fritz Bahr, Highland Park, Ill.

Thirteenth prize, greatest no. pins in 1 game—box cigars given by Peter Freeman, Aurora, Ill.

Fourteenth prize, high man in individual bowling to roll off 3 games with high man on team bowlers—diamond medal given by Brunswick-Blake-Collender Co., and the championship of the convention.

Fifteenth prize, greatest no. railroads, first 3 games—Florists' design book, given by Florists' Exchange, New York.

SHOOTING CONTEST.

First prize—\$10.00 in gold given by Sefton Box Co., Chicago.

Second prize—fishing rod given by Joe Mendall, Chicago.

Third prize—water gardening album given by Florists' Exchange, New York.

MEN'S TEAM BOWLING.

First prize, team making most pins in 3 games—silver loving cup given by Robert Craig Co., Philadelphia.

Second prize, team making 2 most pins in 3 games—silver loving cup given by Moninger Co., Chicago.

Third prize, team making 3 most pins in 3 games—cash prize of \$10.00 given by W. N. Rind, Chicago.

Fourth prize, team making 4 most pins in 3 games—team prize given by H. Bayersdorfer, Philadelphia.

Fifth prize, team making 5 most pins in 3 games—team prize of \$10.00 given by Wertheimer Bros., New York.

Sixth prize, team making 6 most pins in 3 games—cash prize of \$5.00 given by A. Henderson & Co., Chicago.

Seventh prize, team making 7 most pins in 3 games—5 boxes cigars given by C. C. Poll worth, Milwaukee.

Eighth prize, team making 8 most pins in 3 games—5 cans cigars given by Knight Cigar Shop, Chicago.

Ninth prize, team making 9 most pins in 3 games—cash prize \$5.00 given by Hoerber Bros., Chicago.

Tenth prize, team making 10 most pins in 3 games—silver loving cup, given by Moninger Co., Chicago.

Eleventh prize—each high man on teams to get a Foley umbrella. 10 umbrellas given by Foley Mfg. Co., Chicago.

Twelfth prize, team that gets highest single game—\$5.00 given by Poehlmann Bros. Co., Chicago.

Thirteenth prize, team making most strikes in 3 games—\$5.00 given by Poehlmann Bros. Co., Chicago.

Fourteenth prize, team making most spares in 3 games—\$5.00 given by W. J. Boas & Co., Philadelphia.

Fifteenth prize, team making most railroads in 3 games—\$5.00 given by W. J. Boas & Co., Philadelphia.

Sixteenth prize, high man on team bowlers to roll off 3 games with high man on individuals the Championship of convention and diamond medal given by Brunswick-Blake-Collender Co.

High man on each team will roll also in individuals for prizes.

RACES AND FIELD SPORTS.

Girls' race, 10 yards and under, 40 yards—First prize \$2.00 cash, Sefton Box Co., Chicago; second prize 3 bolts ribbon, Sam Seligman, New York; third prize, box candy, Elsie Winterson, Chicago.

Boys' race, 10 yards and under, 50 yards—First prize, \$2.00 cash, Sefton Box Co., Chicago; second prize money bank.

Girls' race, 15 yards and under, 60 yards—cut glass plaza bowl, Sefton Box Co., Chicago; second prize, cut glass Raynor candy dish, Sefton Box Co., Chicago.

Boys' race, 15 yards and under, 100 yards—First prize \$2.00 cash, Sefton Box Co., Chicago; second prize, \$1.00 cash, Sefton Box Co., Chicago.

Single ladies' race, 50 yards—First prize \$3.00, Ed. F. Toepel, Morton Grove; second prize \$2.00, Ed. F. Toepel, Morton Grove.

Married ladies' race, 50 yards—First prize, silver buckle, The American Florist Co., Chicago; second prize, silver buckle, The American Florist Co., Chicago.

Men's race, 125 lbs. and over, 200 yards—First prize, silver loving cup, Geo. Wittbold Co., Chicago; second prize, \$3.00 cash, Sefton Box Co., Chicago; third prize, silver cigar cutter, F. Lautenschlager, Chicago.

Fat men's race, 200 lbs. and over (225 lb. men must be 6 ft. or over, 224 lb. men or less must be 5 ft., 10 or less) 100 yards—First prize, gold fob, Chicago Flower Growers' Ass'n., Chicago; second prize, roll garden hose, Revere Rubber Co., Chicago; third prize, \$5.00 cash, W. J. Boas & Co., Philadelphia.

Broad Jump—First prize, box cigars, by Ed. Winterson, Chicago.

Sack Race—First prize, \$3.00 cash, by Sefton Mfg. Co., Chicago; second prize, \$2.00 cash, Sefton Mfg. Co., Chicago.

3-legged race—First prize, \$3.00 cash, Sefton Mfg. Co., Chicago; second prize, \$2.00 cash, Sefton Mfg. Co., Chicago.

Hig jump, 3 1/2 ft. to enter—First prize, \$2.00 cash, Sefton Mfg. Co., Chicago.

Special race, S. A. F. officials only, 50 yards and return to starting place—First prize, \$3.00 cash, Sefton Mfg. Co., Chicago; second prize, \$2.00 cash, Sefton Mfg. Co., Chicago.

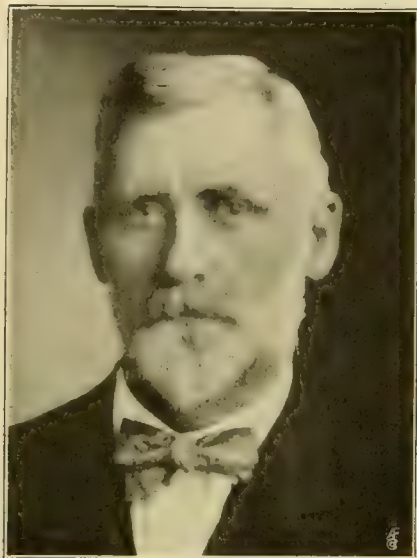
Special race press members only, 50 yards walk—First prize, \$3.00 cash, by Sefton Mfg. Co., Chicago.

Hop skip and jump—First prize, \$2.00 cash, Sefton Mfg. Co., Chicago.

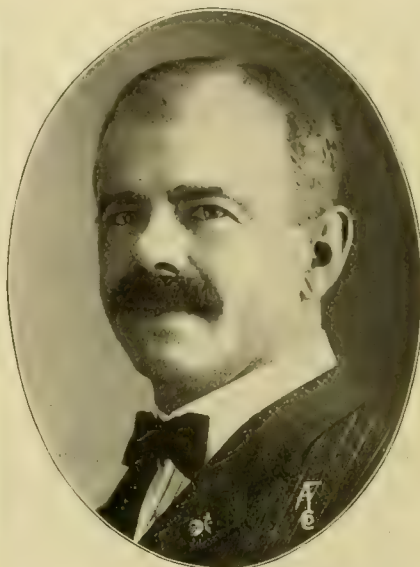
BALL GAME.

Florists Club's team vs. S. A. F. all stars, 1 p. m. sharp, Ravinia Park Ball Grounds—Each man on winning team to receive prize, total of 9 prizes, \$2.50 to each man; man making first homerun or longest hit at his second or later time at bat, first prize, leather pocket book given by Johnson & Cronis; man that works hardest and gets beat the worst, first prize, \$5.00 in gold given by Benj. Hammond, Fishkill, N. Y. Pitcher that makes most strikeouts, first prize, box cigars given by Herman Schiller.

Chas. Graham, Cleveland, O., is the S. A. F. chairman of sports. E. F. Winterson, 166 North Wabash avenue, Chicago, is chairman of the local sports committee.



J. F. Kidwell.



J. B. Deamud.



J. M. Clark.



C. M. Dickinson.



E. F. Winterson.



Louis Wittbold.



C. F. McCormick.



E. A. Kanst.



F. Oechelin.

CHAIRMEN AND SECRETARY CHICAGO TRADE COMMITTEES.



Peter Reinberg.



N. J. Wietor.



J. C. Vaughan.



W. N. Rudd.



George Asmus.



P. J. Foley.



W. L. Kroeschell.



Ernst Weinhoeber.



C. A. Samuelson.

CHAIRMEN AND TREASURER CHICAGO TRADE COMMITTEES.



C. L. Washburn.



Duncan A. Robertson.



John Poehlmann.



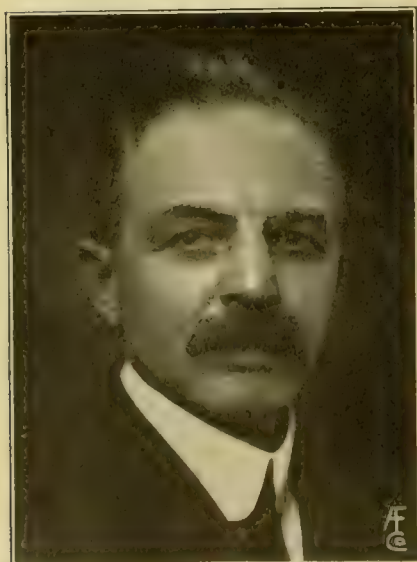
H. N. Bruns



Henry Wieter.



O. P. Bassett.



E. C. Amling.



A. L. Randall.



Robt. Newcomb.

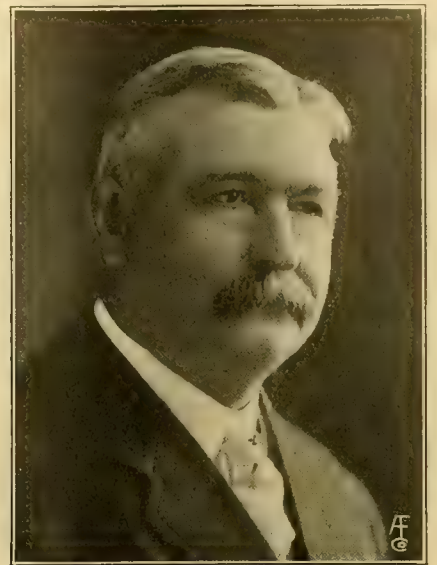
SOME OF THE WELL KNOWN MEN IN CHICAGO.



Andrew McAdams.



Emil Buettner.



Adolph Pochlmann.



C. W. Johnson.



A. H. Budlong.



Chas. W. McKellar.



H. S. Garland.



Alex. Henderson.

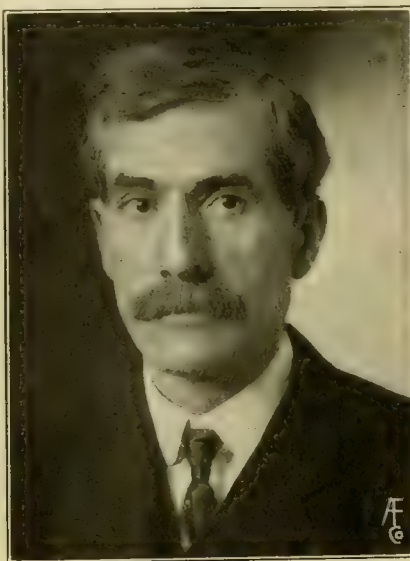


Fred Kanst.

SOME OF THE WELL KNOWN MEN IN CHICAGO.



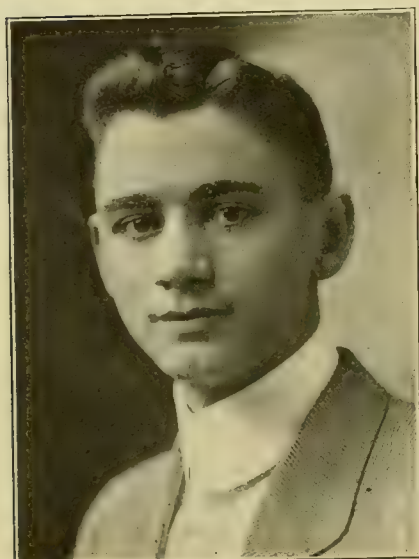
Otto W. Frese.



S. F. Leonard.



Philip Schupp.



H. Van Gelder.



Carl Cropp.



Wilder S. Deamud.



Arnold Ringier.

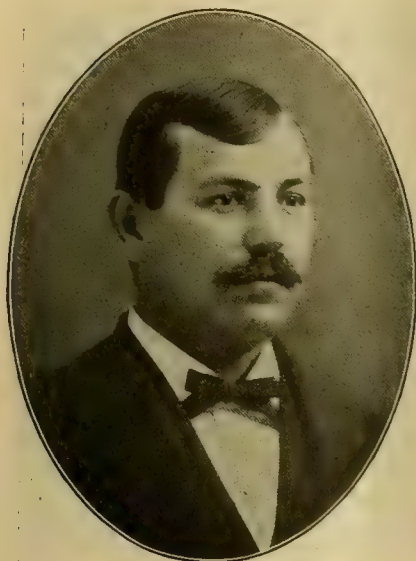


Geo. Reinberg.

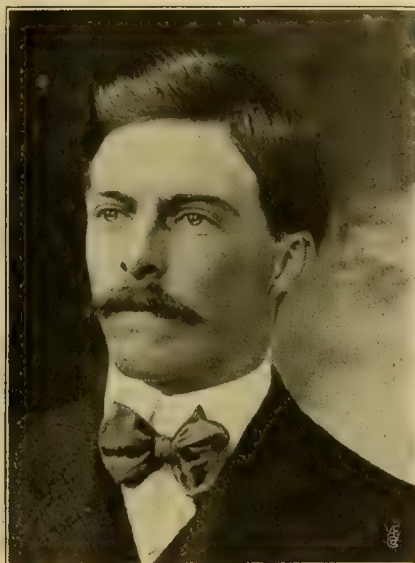


John Kruchten.

SOME OF THE WELL KNOWN MEN IN CHICAGO.



J. F. Ammann.



Ed. Mueret.



A. Dietsch.



E. E. Pieser.



Chas. W. Erne.



Anton Then.



A. T. Pyfer.



F. F. Benthley.



D. E. Freres.

SOME OF THE WELL KNOWN MEN IN CHICAGO.



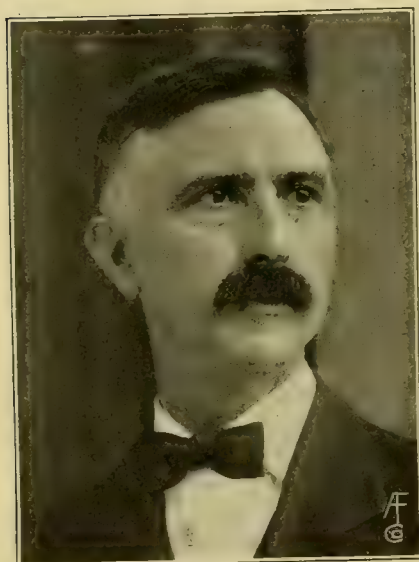
Fred G. Klingel.



Wm. A. Peterson.



A. L. Vaughan.



John Zech.



Frank Johnson.



John Sinner.



Geo. C. Wieland.

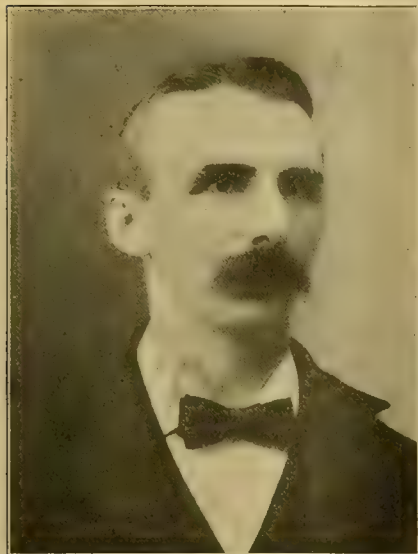


L. H. Winterson.

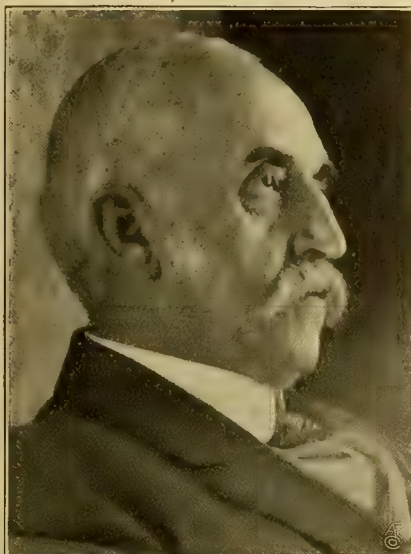


F. Lautenschlager.

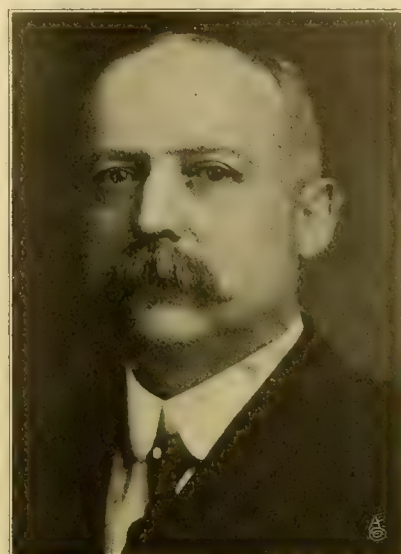
SOME OF THE WELL KNOWN MEN IN CHICAGO.



Geo. M. Garland.



Geo. Sykes.



Chas. Loveridge.



P. W. Peterson, Joliet, Ill.



John Degnan.



Edw. A. Ollinger.



T. E. Waters.



N. J. Rupp.



F. L. Washburn.

SOME OF THE WELL KNOWN MEN IN CHICAGO.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 124 PAGES WITH COVERS

CONTENTS.

Society of American Florists.....	161
—Those amendments.....	161
Chicago's convention of 1887.....	162
—E. G. Hill (portrait).....	162
—Robert Craig (portrait).....	163
Chicago wholesale cut flower trade.....	163
Chicago parks (illus.).....	163
Lake Forest (illus.).....	165
Lake Geneva and its gardens (illus.).....	167
Chicago Florists' Club.....	168
—The late J. T. Anthony (portrait).....	168
Chicago's first commercial greenhouse.....	169
Ferns living and fossil.....	170
The retail trade.....	170
—Mrs. Reimers continues Seelbach stand.....	170
—The Sanders store (illus.).....	170
—Summer flowers in design work (illus.).....	170
Street sweepings as a fertilizer.....	172
First greenhouse of Peter Reinberg (illus.).....	173
Plant notes.....	173
—Heaths.....	173
—Mignonette.....	173
—Violets.....	173
—Hollyhocks.....	173
Richard Vincent, Jr. (portrait).....	174
August Poehlmann (portrait).....	175
The automobile in the flower business.....	175
John Young (portrait).....	176
H. Bayersdorfer & Co.....	176
Canadian Horticultural Association.....	176
Wm. F. Kasting (portrait).....	177
M. Rice & Co.....	177
Our portraits (illus.).....	178
Pittsburg (portrait).....	179
Chas. Graham (portrait).....	179
Rochester, N. Y.....	179
Twin Cities to Chicago.....	179
San Francisco.....	180
Obituary.....	181
Westchester and Fairfield Hort. Society.....	181
Ladies' S. A. F.....	190
Chrysanthemum Society of America.....	190
Chicago.....	220
St. Louis.....	226
Boston.....	226
Cincinnati.....	227
Milwaukee.....	228
New York.....	230
Philadelphia.....	230
Washington.....	230
The seed trade.....	238
—Vick interests consolidate.....	238
Market gardeners.....	248
The nursery trade.....	250

WELCOME.

CHICAGO started it.

THRASH it out in open meetin'.

THAT the proposed memorial for the late William Robertson Smith, known and revered as the superintendent of the United States Botanic Garden, is interesting the general public as well as horticulturists is testified to by editorials and articles in the papers of Washington and other cities. The Washington Star says that that city will undoubtedly support the project.

THE United States Department of Agriculture has issued a notice of judgment in the insecticide case brought against the Zenner Disinfectant Co., of Detroit, Mich. Suit was brought by the Federal Government under the Insecticide Act of 1910, on a charge of misbranding, after an analysis had showed that the product consisted partially of water. The ingredients and their amounts were not stated on the label. The case came for trial March 20, and the president of the defendant company was allowed to enter a plea of nolo contendere. Sentence was suspended.

MEMORANDUM No. 1678B of the Canadian Department of Customs contains the consolidated and amended regulations under the destructive insect and pest act, and specifies that no tree, plant, or other vegetation or vegetable matter infested with any of the insects, pests, or diseases to which the act applies shall be imported into Canada except in accordance with the rules therein laid down.—Daily Consular and Trade Reports.

Ladies' S. A. F.

The annual meeting of this society will be held at the Auditorium Hotel, on the sixth floor, Wednesday, August 21, at 10:30 a. m. Free for all. The Ladies' S. A. F. will also give an informal reception and dance at the same hotel Thursday evening, August 22, at 8:30. Members will find the secretary at Exhibition Hall, Coliseum, all day Tuesday, to receive dues. The ladies are requested to wear their badge pins.

MRS. CHAS. H. MAYNARD,
Sec'y.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Chrysanthemum Society of America.

The report of the tenth annual meeting of the Chrysanthemum Society of America, held at St. Louis, Mo., November 8, 1911, has just been issued. A copy may be had of Chas. W. Johnson, secretary, Morgan Park, Ill. The annual convention and exhibition will be held this year at the American Institute Exhibition Hall, New York. November 6-8. Prizes will be offered in fourteen classes, as follows:

Class A—C. S. A. prize, best 10 blooms, one variety, silver cup.

Class B—Wm. Kleinheinz prize, best 5 blooms, William Kleinheinz, first, \$5; second, \$3.

Class C—John Lewis Childs prize, best plant grown in 8-inch pot of Glory of Seven Oaks, first, \$3; second, \$2.

Class D—Elmer D. Smith & Co. prize, best 12 blooms Manhattan, first, \$15; second, \$10.

Class E—Chas. H. Totty prize, best 6 blooms Ramapo, first, \$25; second, \$15; third, \$10.

Class F—W. Wells & Co. prize best 3 blooms Annie L. Angus, first, gold medal; second, silver medal; third, bronze medal.

Class G—Geo. W. Burke prize, best 6 blooms Mrs. Geo. W. Burke, first, \$15; second, \$10.

Class H—Henry A. Dreer prize, best 6 blooms pink, one variety, \$10.

Class I—Foley Mfg. Co. prize (open to commercial growers only), best 6 blooms white, one variety, \$10.

Class J—Lord & Bunham Co. prize, best 6 blooms American seedling chrysanthemum never before exhibited, gold medal or \$20.

Class K—Harry E. Converse prize (open to commercial growers only), best six blooms Harry E. Converse, silver cup.

Class L—A. N. Pierson Co. prize (open to commercial growers only), best 12 blooms any one variety, long stems, first, \$10; second, \$15.

Class M—A. N. Pierson Co. prize (open to commercial growers only), best vase of pompon varieties, first, \$6; second, \$5.

Class N—Hitchings & Co. prize, best 10 vases of pompon varieties, one variety in each vase, silver cup.

Illinois State Florists' Association.

The Illinois State Florists' Association, which will hold a meeting during the convention at 10 a. m. Thursday, August 22, will have a booth on the main floor of exhibition hall. Information pertaining to the work in floriculture of the State University's experimental station will be gladly distributed. The delegation from southern Illinois will come to Chicago over the Wabash. The train leaves St. Louis August 19 at 1:30 p. m.; Edwardsville, 2:25; Litchfield, 3:20; Taylorville, 4:02 and Decatur, 4:43, arriving here at 9:30. There are no special rates on the railroads.

Chicago Hotel Rates.

This list includes all the important hotels easily reached from the place of meeting, with the special rates offered for the convention.

The Hotels	Single Without Bath.	Single With Bath.	Double Without Bath.	Double With Bath.
Auditorium	\$1.50 to \$2.50	\$2.50 to \$4.00	\$3.00 to \$4.00	\$4.00 to \$6.00
Bismarck	1.00 to 1.50	1.50 to 2.50	2.00 to 3.00	3.00 to 5.00
Blackstone	2.50	3.00 to 5.00		5.00 to 8.00
Brevort	1.50 to 2.50	2.50 to 4.00	3.00 to 4.00	4.00 to 5.00
Congress	2.00 to 3.00	3.50 to 5.00	3.00 to 4.00	5.00 to 7.00
Grand Pacific	1.50	2.00	2.00	3.00
Great Northern	1.50 to 2.00	2.50 to 4.00	2.50 to 3.50	3.50 to 6.00
Kaiserhof	1.00 to 2.00	2.00 to 2.50	2.00 to 3.00	3.00 to 4.00
La Salle	2.00 to 3.00	3.00 to 5.00	3.00 to 5.00	5.00 to 8.00
Lexington	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
Majestic	1.50 to 2.00	2.50 to 3.00	2.50 to 3.00	4.00 to 5.00
Morrison	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	3.00 to 5.00
Palmer	1.50 to 2.00	2.50 to 3.50	2.00 to 3.00	3.00 to 4.00
Saratoga	1.00 to 2.00	1.50 to 2.50	2.00 to 4.00	3.00 to 5.00
Sherman		2.00 to 4.00		3.00 to 6.00
Southern	1.00 to 1.50	1.50 to 3.00	2.00 to 2.50	2.50 to 4.00
Stratford	1.50	2.00 to 4.00		2.50 to 6.00
Wellington	1.00 to 1.50	2.00 to 3.00	2.00 to 2.50	4.00 to 5.00
Windsor-Clifton	1.00 to 1.50	2.00	1.50 to 2.50	3.00

Reservations may be made through the chairmen and vice-chairmen of the local hotel committees, as follows:

J. B. DEAMUD,
160 North Wabash avenue, Chicago.
T. E. WATERS,
32 East Randolph street, Chicago.

ROBERT NEWCOMB,
31 West Randolph street, Chicago.
WM. LANGHOUT,
31 West Randolph street, Chicago.

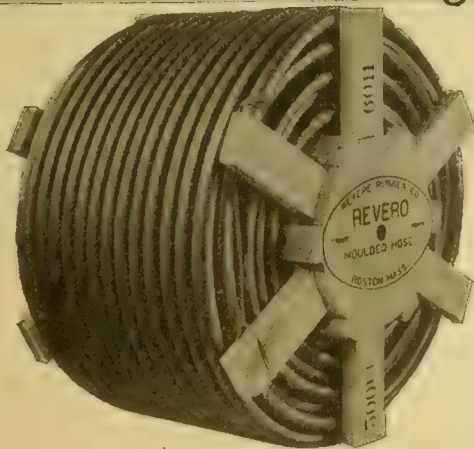
REVERO

GARDEN

HOSE



Revero "Non-kinking" Made in 500 Ft. lengths *Old Style "Kinking"*



WHY buy Garden Hose of the old style (wrapped construction) which readily kinks and the plies easily separate, necessitating couplings when lengths of more than 50 feet are desired? You can avoid all this by buying Revero Garden Hose which is made in 500-ft. lengths, so that you may have any length desired in one piece. It will withstand any water pressure. Let your next order be REVERO.

REVERE RUBBER

NEW YORK
PHILADELPHIA
CHICAGO
PITTSBURG

BOSTON, MASS.

NEW ORLEANS
MINNEAPOLIS
SAN FRANCISCO

Meetings Next Week.

Boston, Mass., August 20.—Gardeners and Florists' Club of Boston, Horticultural hall.
 Chicago, August 20-23.—Society of American Florists, Coliseum.
 Chicago, August 22, 10:30 a. m.—American Gladiolus Society, Coliseum.
 Detroit, Mich., August 19, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Grand Rapids, Mich., August 19.—Grand Rapids Florists and Gardeners' Club, office of member.
 Hartford, Conn., August 23, 8 p. m.—Connecticut Horticultural Society, County building.
 Montreal, Que., August 19, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
 Newport, R. I., August 21.—Newport Horticultural Society.
 Providence, R. I., August 19, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.
 Salt Lake City, Utah, August 20.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 Seattle, Wash., August 20.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Toronto, Ont., August 20, 8 p. m.—Toronto Gardeners and Florists' Association, St. George's hall, Elm street.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.
 Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park, Md.
 Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.
 Chicago, August 20-23, 1912.—Annual meeting and exhibition, Society of American Florists, Coliseum, John Young, secretary, 54 West Twenty-eighth street, New York.
 Chicago, August 20-23, 1912.—Annual exhibition, American Gladiolus Society, Coliseum, L. Merton Gage, secretary, Groton, Mass.
 Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society, John N. Stockwell, secretary, City hall, Cleveland.
 Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society, James MacDonald, corresponding secretary.
 Madison, N. J., October 31-November 1, 1912.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.
 Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.
 New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, American Institute, New York.
 New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.
 Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America, S. W. Severance, 508 Walker building, Louisville, Ky.
 St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.
 Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.
 Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 18 Front street, Worcester.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By married man, as foreman; have the best of references as to ability to grow Beauties and other roses, also carnations and general stock for store or the wholesale market; life experience on large places; strictly sober and reliable; please state wages in first letter. Address or call FLORIST, care A. L. Vaughan Co., 151 N. Wabash Ave., Chicago, Ill.

Situation Wanted—English, age 28, single, 13 years practical experience in all branches inside and out, well versed in roses, orchids, carnations and general line of pot plants, etc.; have excellent recommendations, open for position early in September. Address Key 687, care American Florist.

Situation Wanted—By September 1: German, single, middle age; experience in palms, ferns, bedding plants, forcing stock; good potter, Chicago references. Private or commercial, Chicago preferred. Address, Key 685, American Florist.

Situation Wanted—As working foreman; single, German, strictly sober; good grower of cut flowers and potted plants, good designer, handling help, etc.; state wages in first letter.
 Address Key 682, care American Florist.

Situation Wanted—As carnation grower by young man, age 22, with 7 years experience. Best of reference. Please state wages. Middle west or northern states preferred. JOE A. MEYERS, 933 E. St. Catherine, Louisville, Ky.

Help Wanted—A competent grower for general stock on commercial place in Texas. Must be good designer, well up on carnations and Chrysanthemums, not afraid of work, honest and reliable. A good steady position open the 1st of September. Experience seekers and tramps need not apply. Wages \$50.00 per month and room.
 THE NUSSBAUMER FLORAL COMPANY, San Angelo, Texas.

Help Wanted—For flower shop in a Chicago hotel, first class saleslady, must be neat appearing and willing worker. Key 686, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 16x18 D.S.A. hand made glass.
 W. H. BARRETT, Adrian, Mich.

For Sale—"Improved Captain" Boiler, (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. fire; length 80 1/2 in. Bought Nov., 1910, used 5 months. Price \$300 cash.
 THE PANA GREENHOUSES, Pana, Ill.

For Sale—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address
 MRS. ANNA J. PHARE, Willmar, Minn.

For Sale—Nursery Plant. High grade small nursery, in middle west, well stocked and equipped, all inside limits city of 2000 population. Buildings cost over \$8,000. Opportunity for two live young men. Account of health owner will make sacrifice for quick sale.
 HENRY LAKE SONS CO., Black River Falls, Wis.

For Sale—Large new Hothouse, 30x95 ft., standing on corner lot 100x110 ft., with packing shed 10x30 ft. Now planted English Cucumbers. Water laid on to lot and house. Owner must sell, other business to attend to; \$1,700 for whole concern.
 CLINTON NEWMAN, Grover Ave., Jacksonville, Fla.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well established business; good investment for the right party. Key 646, care American Florist.

Help Wanted

It will be to the interest of any one having had practical experience in the preparation of the immortelle for the market to send his name and address to

Key 688, care American Florist.

For Sale

British Columbia Florist and Fruit Business, near important town, with twelve acres bearing orchard—ten thousand and feet glass. Eighteen thousand dollars.
 BEALBY, Nelson, B. C.

Restaurant for Sale

Located on nursery near Chicago; accommodations for 10 to 20 boarders and 10 roomers; have 18 at present; \$400 or less, as per inventory. Write at once.

Key 689, care American Florist.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Wanted At Once.**NURSERY MANAGER**

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital.
 Address Key 657, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

WANTED!

Experienced Rose and Carnation Growers of our new place just being finished. Houses are 60 by 1000 feet. New and modern. State wages, experience and references and when you can come in your first letter. Steady and good position for reliable men.

J. F. Wilcox & Sons, Council Bluffs, Ia

FOR RENT

I have a place to rent at Bayside, consisting of several greenhouses and other land nearby with good crops of flowers now. Houses ready to be filled with good healthy carnations. House in first class condition, to rent with privilege of buying. Two blocks from Trolley Cars and about 10 minutes walk from Railroad Station. Good water supply. For full particulars, apply at once.

CHARLES MILLANG, 57 W. 26th St., New York

For Sale

2 water boilers 5 by 14, new flues, used four years. Price \$240 each on board car. 100 red cedar ventilators, with glass, 2 ft. 10 by 3 ft. 6, \$1 each. 10 red cedar doors with frame, \$1.75 each. 400 red cedar gutters, 12c per ft. Purlins, gable plates and end bars 3c per ft. The above is all in good condition, nothing over four years old. Photo of boilers on application.
 GEORGE REINBERG, 162 N. Wabash Ave., Chicago, Ill.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business; improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR QUICK SALE.

Nearly new greenhouse; cement and pecky cypress, on cedar posts; 58,000 sq. ft. under glass; fully stocked; and equipped with piping and all other tools, pots, and a lot of glass, putty, lead and oil; 5 acres of land; 3 new boilers; Skinner sprinkling system; in good town of 5,000; close to large markets; doing good business. On account of age and poor health must sell at once. This is your chance. Full information on request. Fred A. Gleason, Box 157, Greenville, Mich.

NOTICE

—OF—

STOCKHOLDERS MEETING

CHICAGO, July 18, 1912.

Stockholders of the American Florist Company

You are hereby notified that the annual meeting of the stockholders of the American Florist Company will be held in the Auditorium Hotel, Michigan avenue and Congress street, Chicago, Wednesday, August 21, 1912, at 3 o'clock p. m., for the purpose of electing directors and officers for the ensuing term and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

BRECHT'S FLORISTS' REFRIGERATORS



Constructed on scientific principles and perfectly insulated will keep your flowers in good condition by a minimum ice consumption. Built of oak or any other wood desired. All hardware is of solid brass quadruple nickel-plated and the best of French beveled plate glass is used for mirrors and windows.

THE BRECHT PATENTED VENTILATING ICE PAN

the most important and up-to-date development in refrigerator construction is used in all of our refrigerators. It assures a

STRONG CIRCULATION OF DRY COLD AIR.

We build special sizes and styles to order, also refrigerating machinery for mechanically cooling our refrigerators.

SEE OUR EXHIBIT AT THE COLISEUM, AUG. 20-23.

THE BRECHT CO.

ESTABLISHED 1853

Main Offices and Factories, 1215 Cass Ave.,
NEW YORK CITY

DENVER

ST. LOUIS, MO.

SAN FRANCISCO

POEHLMANN BROS. CO.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

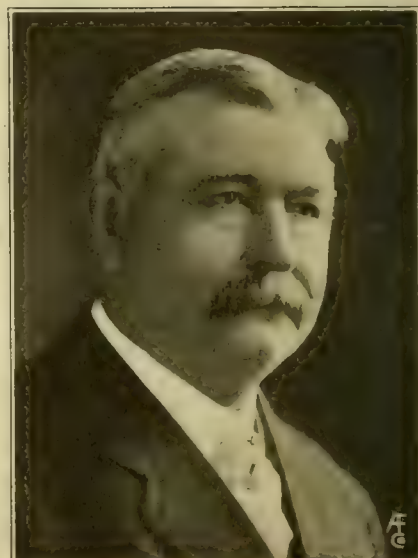
CHICAGO, ILL.



JOHN POEHLMANN, Pres.



AUGUST POEHLMANN, Sec'y. & Treas.



ADOLPH POEHLMANN, Vice Pres.

EXTEND A CORDIAL INVITATION

to all visitors to the S. A. F. convention to make their store your headquarters during convention week. Visit their mammoth greenhouse plant or ocean of glass, and attend

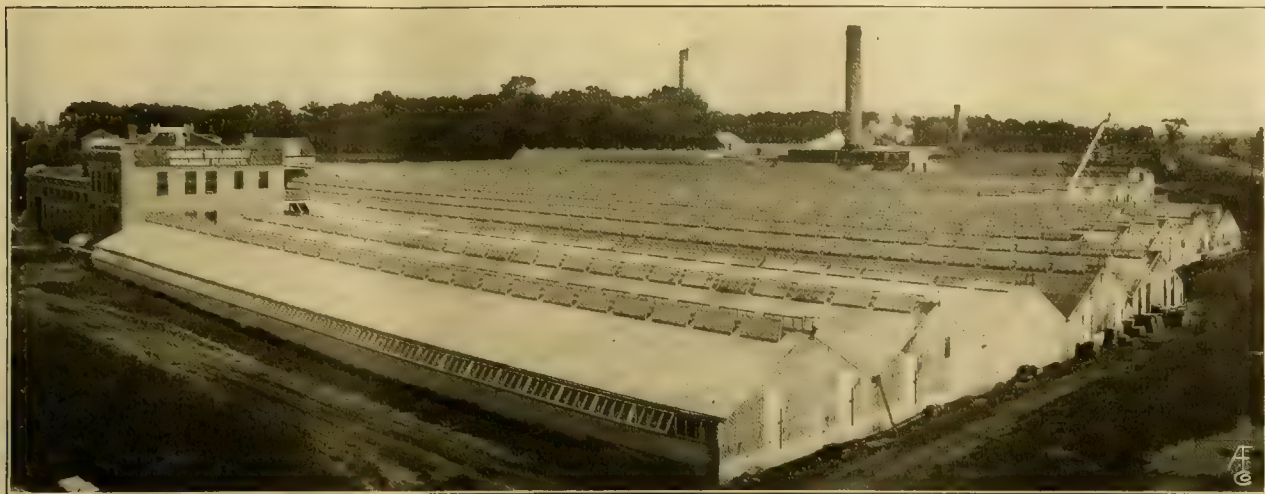
THE EXCURSION

Given to members of the S. A. F. and O. H. and Visiting Florists

To MORTON GROVE, ILL., WEDNESDAY, AUGUST 21.

SEE THE LARGEST GREENHOUSE ESTABLISHMENT IN THE WORLD. Train leaves at 12:40 P. M. on the Chicago, Milwaukee & St. Paul R. R. from the Union Depot, Canal and Adams streets, Chicago. Reception committee in waiting at depot, or at our salesroom 72-74 E. Randolph street, leaving the store at 12:00 noon sharp. The trip is not only instructive for those looking for best in recent methods of operating greenhouses and construction thereof, but also a delightful outing for those wanting a recreation and sight seeing trip.

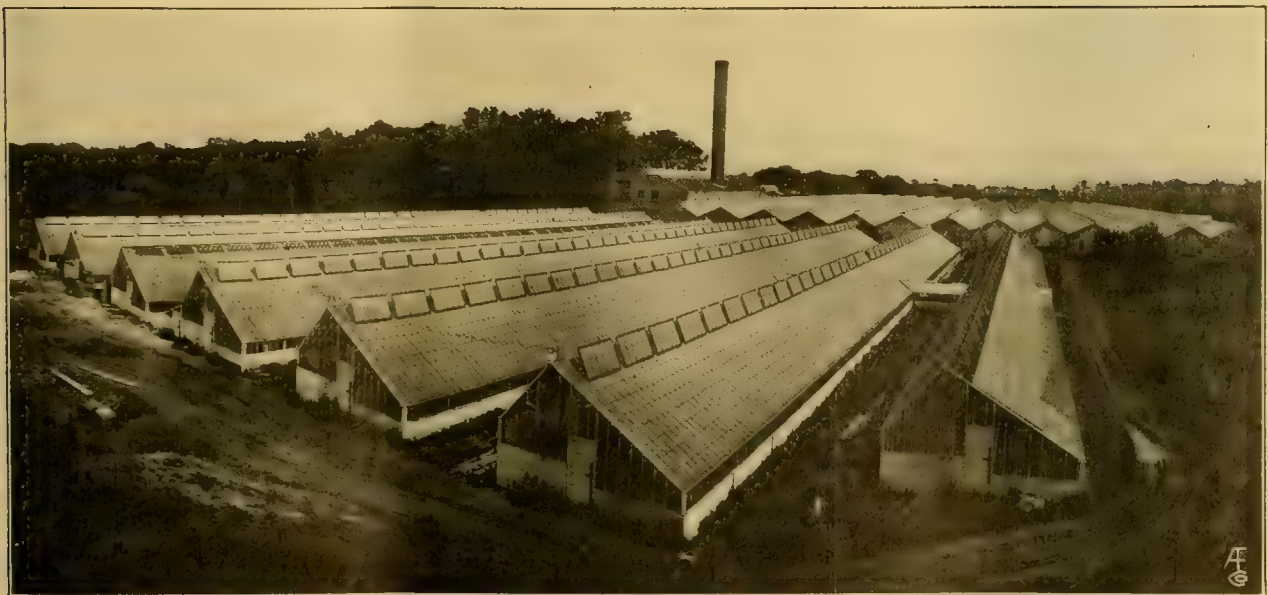
BE SURE AND TAKE THIS IN.



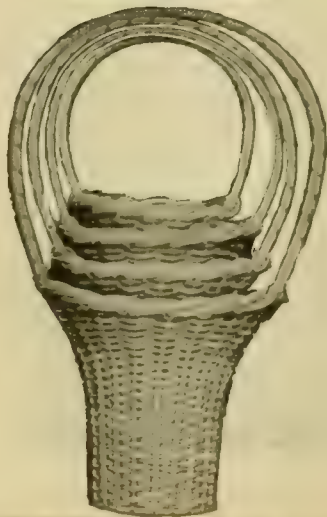
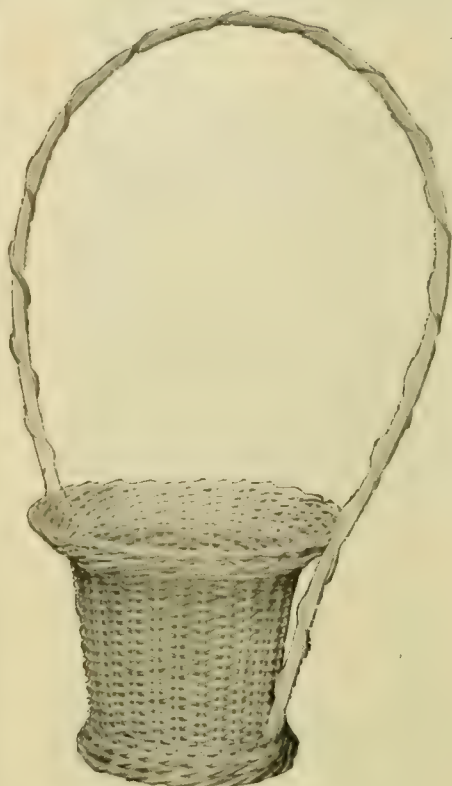
PLANT A.



PLANT B.



PLANT C.



SEE OUR

AT

S. A. F. CO

AT CHICAGO,

and visit our salesroom while you are in the city. We have from our mammoth factories in Weidhausen and ready for your inspection. Our house is one of the right in the centre of the district where all these baskets and best made baskets at a moderate price, and we are us again in the future. It will be to your advantage to us know where we can find you, we will be pleased to salesroom, or, if you prefer to come by yourself, take a car at State and Randolph streets and get off at Huron

At any rate meet us at our

Raedlein

713-717 Milwaukee Ave.

EXHIBIT THE CONVENTION

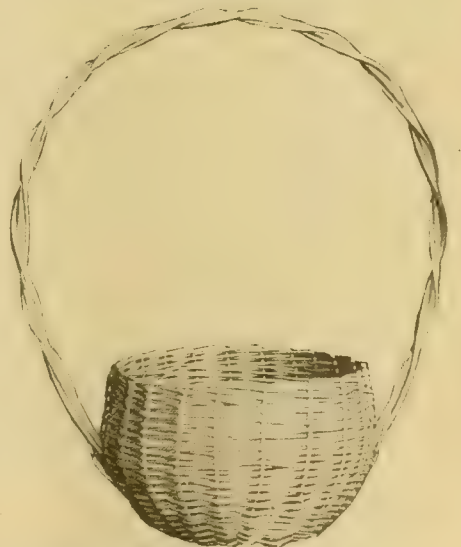
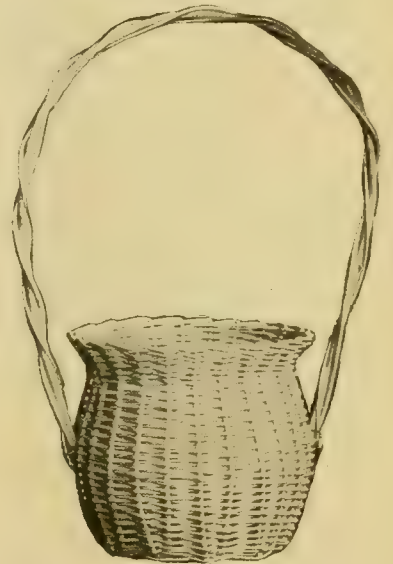
AUGUST 20-24

just received several large shipments of florists' baskets Ebersdorf, Germany and have an unusually fine line oldest of the basket industry in Germany and is located are made, so we are able to give you the latest styles sure that if you give us an order now you will buy from see our line before you leave the city, so if you will let call for you with our automobile and take you to our Division street, Elston, Armitage or Chicago avenue street.

exhibit at the Convention.

Basket Co.

CHICAGO, ILL.



When You Come Up to the Convention

MAKE YOUR HEADQUARTERS WITH

A. L. Randall Company

66 East Randolph Street

We are splendidly located, being within one-half block of the retail store of Marshall Field & Co. All street cars passing our door also go by the Coliseum, and vice versa. You can make the trip under ten minutes.

We place the facilities of our well equipped establishment at your disposal. We want you to have your mail addressed in our care—use our stenographic force in writing your letters—take advantage of our private telephone exchange and booths in communicating with city friends. In short, we want you to be thoroughly at home with us and use our place as if it were your own. You are cordially welcome.

While we will have a stand and representatives at the Coliseum, it would be beside the mark to make even a meagre sample display of our lines in the space allotted.

By visiting our five-story building you can see the most complete and extensive line of Floral Supplies on view under one roof. Everything arranged for easy inspection.

Fall and Xmas Novelties.

New and Distinct Basket Effects.

Dainty Ribbon and Chiffon Arrangements.

Striking and Superior Foliage Decorations.

EVERYTHING FOR FLORISTS

A. L. RANDALL COMPANY, Chicago

Greetings From Edgebrook

To the S. A. F. and O. H.

Chicago, Milwaukee & St. Paul Railway

Week Day Trains from Chicago to Edgebrook

A. M.	P. M.
6.55	12.40
9.20	2.01
	3.05
	5.00
	5.20
	5.35
	6.03
	6.42
	8.45
	11.30

Sunday Trains

A. M.	P. M.
6.55	12.40
9.20	2.01
	3.05
	5.00
	5.35
	6.03
	8.45
	11.30

Week Day Trains from Edgebrook to Chicago

A. M.	P. M.
6.16	1.10
6.58	3.44
7.39	5.44
10.30	9.08
	10.44

Sunday Trains

A. M.	P. M.
7.39	1.14
10.39	3.44
	5.44
	7.08

A cordial invitation is extended to all visiting florists to the Convention to visit and inspect our Nursery at Edgebrook, Chicago, Ill., during Convention week. Edgebrook is located on the Chicago, Milwaukee & St. Paul Railway, and is only a few minutes' ride from the city and a short distance from Morton Grove.

BE SURE AND COME

 Edgebrook Time Table. All Trains Leaving Union Depot.

THE OTTO WITTBOLD NURSERY

NURSERY AND OFFICE

EDGEBROOK,

CHICAGO, ILL.

The Busiest House in Chicago

DO YOU EVER STOP TO THINK WHAT THIS MEANS?

For nineteen years we have been selling Cut Flowers, and during this time we have made many friends in the trade and some of our present customers have been on our books since we first opened for business. It is always our aim to give our customers the best stock in the market at the most reasonable prices.



JOHN B. DEAMUD.

HEADQUARTERS
FOR
Beauties, Carnations,
Roses, Asters,
AND
ALL CUT FLOWERS
IN SEASON



WILDER S. DEAMUD.

Wild Smilax, Fancy Ferns, Galax.

We are the largest growers of Double Violets west of the Hudson River
—fragrant stock in any quantity no matter how large on short notice.

Business at long range has become so common in the last decade that it is taken as a matter of course. A great many florists outside of Chicago have been doing business with us for years and would not know us should they bump against us on the street. The personal equation, however, still cuts quite a figure in the business world, and for that reason we would be glad to have you come in and get personally acquainted. Do it Convention week.

J. B. DEAMUD CO.

160 N. Wabash Ave., CHICAGO

VISITING FLORISTS ^{TO} THE S. A. F. CONVENTION

and their friends are cordially invited to make

OUR STORE THEIR HOME

during convention
week.



WELCOME

We are located in the heart of the wholesale cut flower and shopping district and will gladly furnish you with all the necessary information regarding Chicago that you may desire. Come in and get acquainted.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 E. RANDOLPH STREET,

L. D. PHONE RANDOLPH 6578 AUTO. 41-716

CHICAGO

...VISIT...

H. WITTBOLD'S

New Display Rooms and Office :: 56 E. Randolph Street :: CHICAGO, ILL.

where you will see the most complete line of Artificial and Natural

Ferns, Palms, Flowers, Greens

and all kinds of material for decorative purposes, such as weddings, fetes, (indoor or outdoor), formal affairs, etc. These include flags, buntings, scenery, vases, baskets, tents, canvas for screening porches, altars, unique centerpieces, and in fact, everything needed in the decorating line can be rented or bought outright at reasonable rates. Your patronage solicited. The trade should talk it over with us.

Telephones: Randolph 4708, Evanston 829, Rogers Park 227, Wilmette 658.

Nursery and Display Grounds, Central and Nanzic Sts., North Evanston.



O. P. BASSETT.

BASSETT & WASHBURN

Our record of twenty years of successful flower growing and merchandising, during which time the majority of our first customers are still our present customers. The sturdy character of our house is well represented by these pictures of four generations of our family interested in the firm from O. P. Bassett, great-grand-father to Lawrence Story Washburn, 16 months old.



C. L. WASHBURN.

Our flowers are of the same high grade they have always been and we do business on the square. A cordial invitation is extended to all to visit our greenhouses and store. Below will be found a price list of what we grow and sell.

Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft**

**Chrysanthemums Now in Flower. Very Choice Large Yellow Mums.
\$3.00 per dozen.**

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change without notice.

AMERICAN BEAUTIES

	Per doz.
Extra long	\$3.00
22 to 24-inch	2.00
15 to 18-inch	1.50
12-inch	1.00
Short	per 100, \$4.00 to 6.00

KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PEELER

	Per 100
Extra long select.....	\$6.00 to \$8.00
Medium length	4.00
Short	2.00 to 3.00

CARNATIONS

	Per 100
Extra long, O. P. BASSETT.....	\$1.50 to \$2.00
Extra long, white.....	1.50 to 2.00
Fancy pink	1.50 to 2.00

FINE EASTER LILIES

	Per dozen
Per dozen	1.00
Per 100	6.00

LILY OF THE VALLEY

	3.00 to 4.00
ASTERS, all colors	2.00 to 4.00
ASPARAGUS SPRAYS	3.00 to 4.00
SPRENGERI	2.00 to 3.00
ADIANTUM	1.00 to 1.50

GALAX—Bronze and Green per 1,000, \$1.00

NEW FERNS

per 1,000, \$1.50

All Seasonable Flowers at market prices.



E. B. WASHBURN.

BASSETT & WASHBURN

131 N. WABASH AVENUE

CHICAGO, ILL.



LAWRENCE S. WASHBURN

Greenhouses, Hinsdale, Ill.

W E L C O M E

TO CHICAGO AND THE S. A. F. CONVENTION

Our store is located on all convenient car lines to the Coliseum, where the great S. A. F. Convention will be held August 20-23 and you are cordially invited to make it your headquarters at all times. We are at your service. :: :: ::

JOHN KRUCHTEN

162 N. Wabash Avenue : : CHICAGO

VISITORS

En Route to and from St. Louis
to S. A. F. Convention : : :

Are Cordially Invited

to visit the most modern and up-to-date
Wholesale House in the West : : : :

C. A. KUEHN

1312 Pine Street

Both Phones - - ST. LOUIS, MO.

WELCOME S. A. F.

All visiting florists are cordially invited to make our store their headquarters during Convention week or at any other time, and we assure you that we will be pleased to serve you in every way possible. Our store is centrally located on all the leading car lines, and all cars to the Coliseum pass by our store.

Visit Our Greenhouses



Known as the Largest Range of Glass in America

Devoted exclusively to the growing of cut flowers. The stock is in very fine condition and is well worth going a long distance to see. To reach the Greenhouses, take Rosehill car on Dearborn and Randolph streets and get off at Reinberg's Greenhouses. (YOU CANNOT MISS THEM.)

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street,

- CHICAGO.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

A Cordial Invitation

is extended to the trade to make our store their headquarters while they are in the city. The entire second floor of our store has been fitted out for the convenience of the visitors to the S. A. F. convention and we assure you that we would like to have you and your friends with us during convention week.

Come right along and make yourself at home. Everything is at your disposal.

Niessen's Wholesale Flower Market

Conducted in their modern up-to-date new building, offers at all times the largest and most varied assortment of

CUT FLOWERS

in Philadelphia

Eight Bell and Keystone trunk line telephones with a large force of competent salesmen, are ever ready to respond and give instant attention to orders. Expert packers, men who do nothing else but attend to this important detail, insure delivery of stock in perfect condition. Two automobile delivery cars provide immediate connection with train service. With the facilities of our commodious storage and salesrooms, our large and complete stock of cut flowers, our expert management, our packing and delivery service, all of which are under the personal supervision of Mr. Leo Niessen, we offer the best market for the flower buyers within a thousand miles of this city.

The Leo Niessen Company

WHOLESALE FLORISTS

Niessen Building

Twelfth and Race Streets

Philadelphia, Pa.

FOR GOOD FLOWERS

**GOOD SERVICE AND COURTEOUS
TREATMENT ALWAYS COME TO US**

OUR AIM

is to treat every one right and with this constantly in view we will surely be friends if you will but do your part.



A. L. VAUGHAN

BIG SUPPLY

of summer stock and every arrangement made for fall and winter with the best growers in and around Chicago.

The original of the center figure in this advertisement wishes to give every conventionist the glad hand August 20-23. Come and see me.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES { Central 2571
Automatic 48-734

CHICAGO

THE HOUSE OF RICE

Exhibit at the great S. A. F. Convention will be the **FEATURE** of the trade display.

It will contain standard goods and creations of our own **FACTORY**, the most complete factory in the country.

European Novelties from the best basket makers of Europe. Novel in color, weave and materials. Will also show the latest conceits in Ribbons, Chiffons and Nettings.

Our Exhibit will surpass any we have ever shown. Don't fail to see it. You know what "RICE" hospitality is—come and make yourself at home.

A. ESCHNER A. ZIRKMAN F. J. FARNEY ROBERT SHOCH
will greet you for

M. RICE & CO.

The Leading Florists' Supply House and Ribbon Specialists
1220 Race Street, Philadelphia, Pa.

Greetings S.A.F.



A. T. Pyfer.



CHICAGO'S
PROGRESSIVE
FLORISTS



Peter Olsem

Chicago Carnation Company
30 East Randolph street CHICAGO

Budlong's Blue Ribbon Valley



is the kind the most
Exacting Florists use
FOR

Wedding Bouquets

Where there is a desire
to have the best.

If you have not been using it
send us your next order and you
will never use any other than our

BLUE RIBBON VALLEY

■ We are now in full crop and
can give you anything in Sea-
sonable Cut Flowers.

**Quality speaks louder
than prices.**

Visit Our Store and Greenhouses
while you are in the city. Every-
thing is in fine shape and the
stock speaks for itself. If you
will call at our store we will
gladly accompany you to the
greenhouses, or if you prefer to
go direct, take a Bowmanville
car at Dearborn and Randolph
streets to the end of the line, or
a Ravenswood L. and get off at
Western avenue.

No Order

2

Large.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

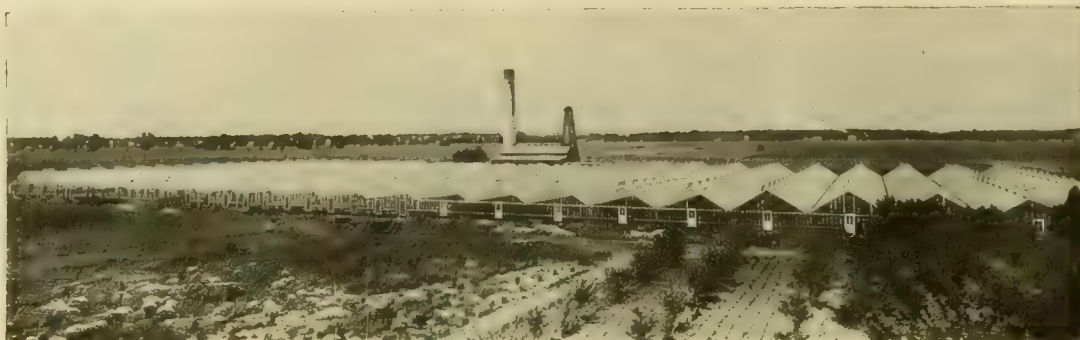
CUT FLOWERS

No Order

2

Small.

Greetings S.A.F.



GREENHOUSES DESPLAINES, ILL.

HOERBER BROTHERS WHOLESALE FLORISTS

162 N. Wabash Avenue : : CHICAGO

—CUT FLOWERS—

E. F. WINTERSON CO., 166 N. Wabash Ave.
Chicago

WELCOME

WE extend a cordial invitation to all visiting florists to make our store their headquarters during the meeting of the S. A. F. & O. H. Convention. Have your mail sent in our care. We are centrally located to all car lines, hotels, railroads, etc. Cars to convention hall at our door.

WINTERSON'S SEED STORE

166 N. Wabash Ave.,

Phone
CENTRAL 6004

CHICAGO

THE WORLD'S BEST

In Florist Supplies will be Seen in the
Bayersdorfer Display
 at the S. A. F. Convention Exhibit

¶ All the latest novelties personally selected by our Mr. H. Bayersdorfer from the supply centers of Europe. Baskets of new materials, novel in design and coloring.

THE
 LARGEST EXHIBIT
 EVER SHOWN
 AT ANY
 CONVENTION

¶ Bright ideas of our own factory, made by expert workmen equal in novelty and superior in construction to imported stock.

Standard every
 day supplies.

¶ Mr. Sydney Bayersdorfer, Mr. Martin Reukauf, M. D. Green and I. Bayersdorfer will represent us and extend the glad hand. Make our exhibit your headquarters. Let us take care of your mail. Use our information bureau.

H. BAYERSDORFER & CO.

The Florist Supply House of America

1129 ARCH STREET, - - - - - PHILADELPHIA, PA.

Don't Forget Us Convention Week

Make Our Store Headquarters

We are located right in the midst of the world's great central cut flower market and our place is your's during your stay in this city. Everything is at your disposal. Have your mail addressed in our care. Don't forget the name. There is only one

ZECH & MANN

162 N. Wabash Avenue : : CHICAGO

Greetings From FLOWERFIELD, Long Island, N. Y.

The Home of
GLADIOLI
of Superior Merit

Our plantings of **America, Baron Hulot, Princeps, Augusta Brenchleyensis, May, Mrs. King, Shakespeare, etc.**, are immense.

Our own named varieties still stand among the "**Top Notchers.**" Offered by all the leading houses handling bulbs.

Do not fail to see our exhibit of **BLOOMS** if you attend the **S. A. F. Convention** in Chicago. : :

John Lewis Childs,

Flowerfield, L. I.

Craig Quality Crotons Are Best Known And Known to Be Best

THE above slogan could also apply to the many other Craig Specialties. We are making New Customers very fast, and with our increased glass area we are in a position to take good care of you, Mr. Florist. **Eventually you will handle Craig Quality Stock.** Why not now? Our many customers advertise our stock and our stock advertises us.

Our Convention Exhibition of Craig Quality Stock will far exceed anything in the past and "That's Going Some." We hope to meet many of our friends in Chicago. We will be represented in the Trade Exhibition Hall by Messrs. W. P. Craig, Duncan Macaw, Cornelius Vanderbregger and Robert A. Craig, who will be happy to show you the Finest Exhibit of

Fancy Crotons, in Many Varieties

Cyclamen

Begonia Lorraine

Begonia Cincinnati

Genistas

Ficus Pandurata

Areca Lutescens

Pandanus Veitchii

Phoenix Roebelenii

Dracæna Terminalis

Dracæna Massangeana

Dracæna Lord Wolseley

Dracæna Fragrans

Dracæna Bronze Beauty

Dracæna Mandaiana

Nephrolepis in variety, etc., etc.

WE extend a cordial invitation to all members of the S. A. F. and O. H. to stop off in Philadelphia either going to, or returning from, Chicago. We will be pleased to show you our stock at both Philadelphia and Norwood.

Take car marked 69th and Market Street, or train on the Pennsylvania R. R. to Norwood Station.

Robert Craig Company

4900 Market Street, PHILADELPHIA, PA.

Branch, NORWOOD, PA.

Mention the American Florist when writing



G. M. Reburn.



A. Henderson.



A. Miller.

Welcome to Chicago

A cordial invitation is extended to all visitors to the S. A. F. Convention, August 20-23, to make our store their headquarters while they are in the city. All mail entrusted to us will be carefully taken care of until called for.

Do not fail to look over our exhibit in Convention Hall.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

We Have the Goods At Right Prices WELCH BROS.

WHOLESALE CUT FLOWER MARKET

226 Devonshire Street,

TELEPHONE:
Main 6267
6268

BOSTON, MASS.

BRONZE GALAX

Guaranteed to be the best stock.....\$5.00 per case; 5 or more cases, \$4.50 per case.

C. E. CRITCHELL,

WHOLESALE COMMISSION FLORIST
34-36 E. Third Avenue

Cincinnati, Ohio

You Are Cordially Invited to Visit Us

While you are in the city. We have a fine establishment on Buckingham Place, well filled with all kinds of choice decorative stock, beside; one of the finest equipped retail stores in the city. Come out; we will be more than pleased to have you call, and we will gladly show you around. The more the merrier.

LARGE ASSORTMENT OF Bay Trees, Box Trees and Palms

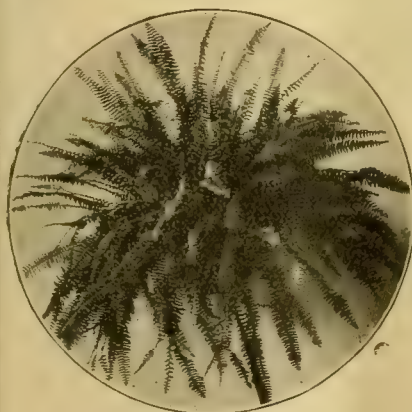
Extra Fine Stock, and Big Bargains at the Prices Quoted.

BOXWOODS

Obelisk.		Each
5 ft. high, 18-in. bottom measure.....		\$10.00
Globe Shaped.		
15-18 in. top, 15-18 in. high		\$4.00
Standard.		
12 in. crown.....		\$1.50
15-18 " "		2.50
18-21 " "		3.00
21-24 " "		4.00
24-27 " "		6.00
32-34 " "		9.00
36-38 " "		9.00
40-42 " "		10.00
3-4 ft. stem		9.00
18-24 in. "		9.00
18-24 " "		10.00

EUONYMUS VARIEGATED.

Silver and Golden, 2½-in. 50c per doz



Boston Ferns

	Each	Doz.
5-in.	\$9.25	\$3.00
6-in.	.50	6.00
7-in.	.75	9.00
8-in.	1.00	12.00
9-in.	1.50	18.00
Upwards	\$2.00 to \$2.50 each and up	

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 in. \$1.50	\$12.00
3-in.	4 to 5	8 to 10 in. 2.00	15.00
4-in.	4	12 in. 3.50	30.00
4-in.	4 to 5	12 to 15 in. 4.50	35.00
5-in.	5 to 6	15 to 18 in. 6.00	50.00
		Each	Per doz.
5-in.	5 to 6	18 to 20 in. \$0.75	\$ 9.00
6-in.	6 to 7	20 to 22 in. 1.00	12.00
6-in.	6 to 7	22 to 24 in. 1.50	18.00
7-in.	6 to 7	24 to 26 in. 1.75	21.00
7-in.	6 to 7	26 to 28 in. 2.00	24.00
7-in.	6 to 7	28 to 30 in. 2.50	30.00
8-in.	7 to 8	40 to 45 in. 5.50	
9-in.	7 to 8	48 to 50 in. 8.00	
9-in.	7 to 8	50 to 54 in. 10.00	
Made-up.			
7-in., 3 in a pot, 28 to 30 inches high, each	\$2.50		

PHOENIX CANARIENSIS.

	Each
7-inch pots, 40 to 44-in. high.....	\$ 2.50
8-inch pots, 46 to 50 in. high.....	4.00
9-inch pots, 50 to 54 in. high.....	8.00
10-inch pots, 60 to 64 in. high.....	10.00

PHOENIX RECLINATA.

	Each	Doz.	Per 100
4-in.		\$3.00	\$20.00
5-in.		5.00	40.00
6-in.		\$0.75	9.00

PHOENIX ROEBELENI.

2½-in.	\$ 2.00	\$15.00
6-in.		12.00
6-in. strong.....		18.00

SAGO PALMS.

75c, \$1.00, \$1.50, \$2.00.

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 to 10 in. \$1.50	\$12.00
3-in.	4 to 5	12 to 14 in. 2.00	15.00
4-in.	4 to 5	14 to 16 in. 4.50	35.00
5-in.	5 to 6	16 to 18 in. 6.00	50.00
		Each	Per doz.
5-in.	5 to 6	20 to 24 in. \$0.75	\$ 9.00
6-in.	5 to 6	24 to 30 in. 1.00	12.00
6-in.	5 to 6	30 to 36 in. 1.50	
7-in.	5 to 6	36 to 38 in. 2.50	
7-in. strong 5 to 6		36 to 40 in. 3.00	
8-in.	5 to 6	40 to 44 in. 5.00	
8-in.	6 to 7	46 to 50 in. 7.00	
9-in.	6 to 7	60 in. 8.00	
Made-up.			
7-in., 3 to 4 in a pot, 24 to 30 inches	gh. \$ 2.50		
9-in., 3 to 5 " "	50 to 54 " "		
10-in., 4 to 5 " "	58 to 60 " "		
12-in., 4 to " "	62 to 70 " "		

BAY TREES

Pyramid.		Each
9 ft. high.....		\$20.00
Standard.		
1-2 ft. stem, 18-20 in. crown.....		4.00
3 " " 24 " "		6.00
3½ " " 26 " "		7.00
4 " " 28 " "		7.00
4 " " 30 " "		12.00
4 " " 48 " "		20.00



Dracaena Indivisa.

The best plant for the center of cemetery vases.
6-in. beautiful specimens, 3ft. high.....\$6.00 per doz.
8-in. beautiful specimens, 3ft. high.....\$1.50 each

Cyperus Alternifolius.

4-in. \$1.50 per doz.; \$10.00 per 100
Cycas Revoluta 50c and 75c each

Pandanus Veitchii.

	Each	Doz.	Each	Doz.
4-in.	\$0.50	\$5.50	6-in.	\$1.00
5-in.	.75	9.00		

Pandanus Uittis.

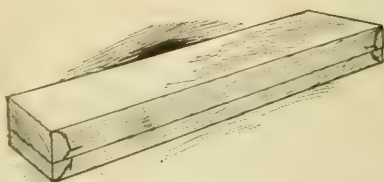
3-in.		Doz.
		\$1.50

BOXWOODS, square trim, 20-in. high, 15-in. diam.....\$2.50 each

The Geo. Wittbold Co.

737 Buckingham Place,

CHICAGO

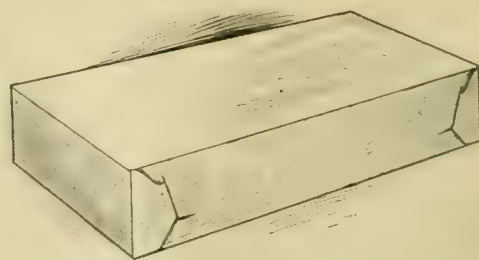


Folding Flower BOXES.

The Leading Flower Box Line
in the Country.

3 Reasons for Our Rapid Growth:
Quality unexcelled; Prices equal
to any; Deliveries prompt

Make your selection from 170 sizes
in 8 different colors.



Palm Green, Mist Gray, Mist Brown.		White Glaze, Green Glaze, Pink Glaze.		Extra Heavy Spray and Design—Palm Green.		Extra Heavy Spray and Design—Mist Gray.		Violet and Corsage Boxes.	
	Per 100		Per 100		Per 100		Per 100		Per 100
16x 4 x3	\$ 1 85	16x 4 x3	\$ 2 65	23x12x5. Telescope.	\$ 7 50	30x 9x 4. Telescope.	\$ 6 50	White and Violet Glaze.	
20x 4 x5	2 15	20x 4 x3	3 00	30x12x6	10 00	30x12x 6	10 50		
18x 5 x3	2 15	18x 5 x3	3 00	12x12x8	9 00	48x 8x 5	12 50	7x4x4	\$2 50
21x 5 x3	2 50	21x 5 x3	3 50	16x16x8	10 00	12x12x 8	9 50	8x5x5	3 00
24x 5 x3 1/2	3 00	24x 5 x3 1/2	3 75	20x20x8	13 00	14x14x 8	10 00	10x6x5 1/2	3 50
30x 5 x3 1/2	3 30	30x 5 x3 1/2	4 50	24x24x8	15 00	16x16x 8	10 50	12x8x5 1/2	4 50
36x 5 1/2 x3 1/2	3 25	36x 5 1/2 x3 1/2	5 65	28x28x8	19 00	20x20x 8	13 50	Plain Violet	
21x 7 x3 1/2	4 15	18x 6 x3 1/2	3 65	32x32x8	25 00	24x24x 8	15 50	7x4x4	1 75
24x 8 x4	4 15	21x 7 x3 1/2	4 00	20x12x8	10 00	24x24x10	20 00	10x6x5 1/2	2 50
28x 8 x4	4 35	21x 8 x4	4 65	28x22x8	16 00	28x28x 8	19 50	11x8x5 1/2	3 50
28x 8 x5	5 00	24x 8 x4	5 25	24x14x8	12 50	32x32x 8	25 50	Mist Gray	
36x10 x5. Telescope.	7 00	24x 8 x5	5 75	30x14x8	14 50	20x12x 8	10 00	7x4x4	2 50
36x10 x5	9 00	28x 8 x4	6 00	32x17x8	16 00	24x14x 8	13 00	8x5x5	2 75
40x 8 x5	9 00	28x 8 x5	6 50	36x14x8	16 00	30x14x 8	15 00	10x6x5 1/2	3 00
42x 8 x5	11 00	36x10 x5	11 00	40x14x8	17 50	36x14x 8	16 25	12x8x5 1/2	3 50
42x10 x5	13 00	40x 8 x5	11 00	36x17x8	18 50	40x14x 8	17 75	14x10x8. Telescope	6 00
48x10 x5	15 00	42x 8 x5	13 25	42x17x8	20 00	42x17x 8	20 50	Palm Green	
		42x10 x5	15 00					12x8x5 1/2	3 50
		48x10 x5	18 00					15x6x5	3 50
								14x10x8. Telescope	6 00

All our Flower Boxes are made from
Moisture-Proof Board.

No printing charges on lots of 300 or over.

Special discounts allowed on quantity orders.

Complete samples sent on application.

FLORISTS ARE INVITED to inspect our display at the Coliseum during the Convention

A. A. ARNOLD

16-18-20-22 South Peoria Street

CHICAGO

STERLING MOSS AND PEAT CO.

BARNEGAT, NEW JERSEY. J. L. DOTHIDAY, Proprietor,

Wholesale and Retail Dealers in

MOSS AND PEAT

GOOD SUPPLY

The quality of our stock is fine. Special attention given to all orders.

THIS IS THE PLACE TO BUY

We quote Moss at the following prices per bale,

Natural Growth Moss.

Bales of 5 Barrels \$2.25 Bales of 10 Barrels \$4.25

This grade is for fine design work.

Extra Selected Stock.

Bales of 5 Barrels \$2.60 Bales of 10 Barrels \$5.00

This grade is for very fine design work.

For Nursery Stock Moss please write for prices.

Cash with order we will allow seven per cent off.

Leaf Mould, Fibrous and Rotted Peat.

We name the following prices per one barrel sack.

Lots of 1 to 10 Sacks at \$1.00	20 Sacks at 80c
10 Sacks at .90	25 Sacks at 75c
15 Sacks at .85	50 Sacks at 70c

Green Clump Moss, Per Sack.

1 to 5 Sacks \$1.50	10 Sacks \$1.12
5 Sacks 1.25	20 Sacks 1.00

Silver Sand, Per Barrel.

1 to 5 Bbls. \$1.75	10 Bbls. \$1.25	25 Bbls. \$1.00
5 Bbls. 1.50	20 Bbls. 1.12	

Orders received and filled for future shipment as requested. Estimates cheerfully given on car load lots. Trusting you will favor us with an order we are

Very respectfully

STERLING MOSS AND PEAT CO.,

BARNEGAT, NEW JERSEY. J. L. Dothiday, Proprietor.

Mention the American Florist when writing

Heacock's Palms and Ferns

Home Grown

Strong and Well Established



WE CALL the attention of all members of the S. A. F. & O. H. to our exhibit at the Chicago convention and extend a cordial invitation to visit our places at Wyncote and Roelofs, where you will find much to interest you. Twenty minutes' ride by rail from Philadelphia. One train every week day. Railway station, Jenkintown.

We grow all our Kentias above 6-inch size in **cedar tubs** made especially for us, avoiding breakage of pots in shipment and **giving better satisfaction to our customers.** While they cost us a great deal more than pots, we sell the plants for the same money. They are the neatest, lightest

and best tub ever introduced. Painted green, with electric welded wire hoops. We order these tubs by the car load.

ORDER NOW FOR FALL DELIVERY

Wholesale Price List

COCOS WEDDELLIANA

In. High	Per 100
2½-in. pot..... 8 to 10.....	\$10 00
2½-in. pot..... 10 to 12.....	15 00

KENTIA BELMOREANA

Leaves	In. High	Each	Per dozen
2½-in. pot..... 4	8 to 10.....		\$ 1 50
3-in. pot..... 5	12		2 00
4-in. pot..... 5 to 6.....	15	\$0 35	4 00
5-in. pot..... 6 to 7.....	18	50	6 00
6-in. pot..... 6 to 7.....	24	1 00	12 00
6-in. pot..... 6 to 7.....	26	1 25	15 00
6-in. pot..... 6 to 7.....	28 to 30.....	1 50	18 00
7-in. cedar tub..... 6 to 7.....	34 to 36.....	2 50	30 00
7-in. cedar tub..... 6 to 7.....	36 to 38.....	3 00	36 00
9-in. cedar tub..... 6 to 7.....	40 to 45.....	4 00	48 00
9-in. cedar tub..... 6 to 7.....	45 to 48 heavy.....	5 00	
9-in. cedar tub..... 6 to 7.....	48 to 54 heavy.....	6 00	
9-in. cedar tub..... 6 to 7.....	5 ft. heavy.....	8 00	
9-in. cedar tub..... 6 to 7.....	6 ft. heavy.....	10 00	

KENTIA FORSTERIANA

Leaves	In. High	Each	Per dozen
6-in. pot..... 5 to 6.....	28 to 30.....	\$1 00	\$12 00
6-in. pot..... 6	34 to 36.....	1 50	18 00

MADE-UP KENTIA FORSTERIANA.

Inch	In. High	Each
7 cedar tub, 4 plants in tub, 36		\$2 50
7 cedar tub, 4 plants in tub, 36 to 40.....		3 00
9 cedar tub, 4 plants in tub, 40 to 42.....		4 00
9 cedar tub, 4 plants in tub, 42 to 48.....		5 00
9 cedar tub, 4 plants in tub, 4 to 4½ ft. high, heavy.....		6 00
9 cedar tub, 4 plants in tub, 5 ft. high, heavy.....		7 50
12 cedar tub, 4 plants in tub, 6 ft. high, heavy.....		15 00

CIBOTIUM SCHIEDEL.

	Each
7-in. pot..... 2 to 2½ ft. spread.....	\$2 00
9-in. tub..... 4 ft. spread.....	4 00
9-in. tub..... 5 ft. spread.....	5 00

PHOENIX ROEBELENI.

	Each
5-in. pot, nicely characterized	\$1 00
6-in. pot, 18 to 20 in. spread.....	1 50
7-in. tub, 18 in. high, 24 in. spread.....	2 00
7-in. tub, 20 to 24 in. high, 2 ft. spread.....	2 50

When in Philadelphia be sure to look us up

Joseph Heacock Company

Railway Station
Jenkintown

Wyncote, Pa.



...Greetings...

S. A. F. and O. H. 1912

Don't Forget the Number
22 East Randolph Street, Chicago

Make it your home Convention Week

Chas. W. McKellar

A Cordial Invitation

is extended to all local and visiting florists and their friends to **call**
and **see** our stock of

Decorative and Blooming Plants

Blooming Plants for Christmas and Easter a Specialty.

Take Garfield Park branch of the Metropolitan Elevated to 48th Avenue,
walk four blocks north and one block west, or take Madison Street car to 48th
Avenue, walk two blocks south and one block west.

FRANK OECHSLIN,

**4911 W. Quincy Street,
CHICAGO, ILL.**

To the
**RETAIL
FLORISTS**
of

NEW YORK CITY

We expect the first shipment
of roses from Bedford Flower
Co., of Bedford Hills, N. Y.,
about Aug. 15, of the under-
mentioned varieties: American
Beauty, Killarney Queen, Double
or Prince de Bulgarie, Lady Hill-
ingdon, White Killar-
ney, Pink Killar-
ney, Cardinal.



DAILY RETURNS

**MOORE,
HENTZ**

AND

NASH

**57 West 26th Street
NEW YORK CITY**

**SOLE AGENTS FOR
BEDFORD FLOWER CO.**

**Bedford Hills
NEW YORK**

WEEKLY CHECKS

To
GROWERS
of
**FIRST CLASS STOCK
CARNATION AND ROSES**
We have every facility for hand-
ling to advantage. All quality
goods; fine large sales room,
courteous, efficient help and a
clientage second to none among
the best of N. Y. City's retailers.
Would like to hear
from some good
violet growers.

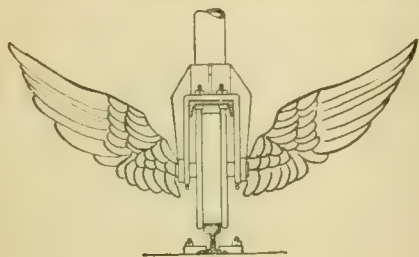


ORCHIDS

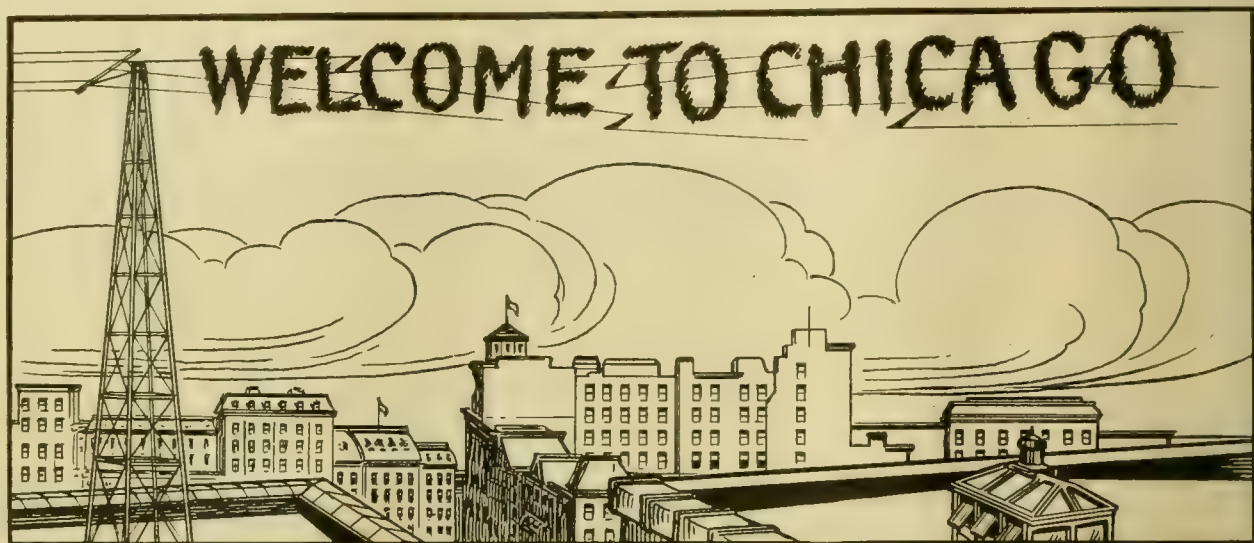
We are the largest collectors and importers of fresh stock in America. Finest varieties guaranteed, quality high, prices low. Semi-established plants for those desiring immediate results.

FREEMAN ORCHID CO.

G. L. Freeman, Mgr. Fall River, Mass.

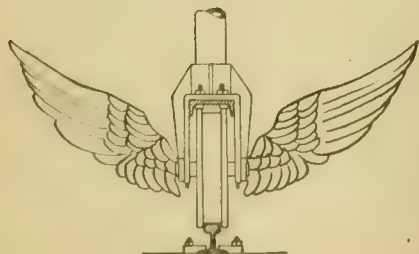


PROG



Garland Has Kept Step

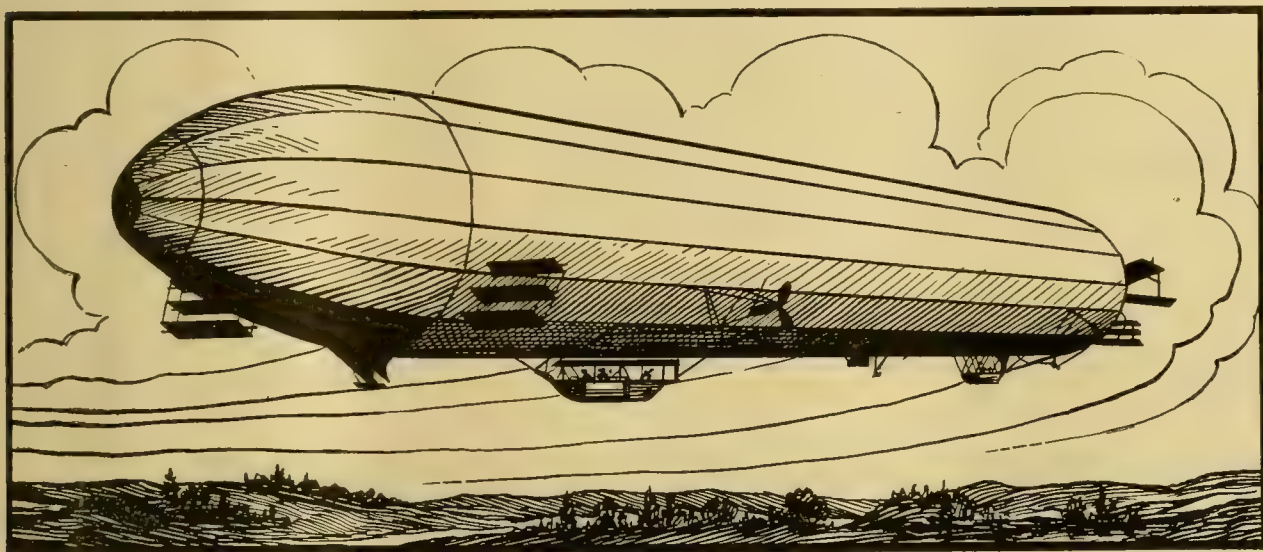
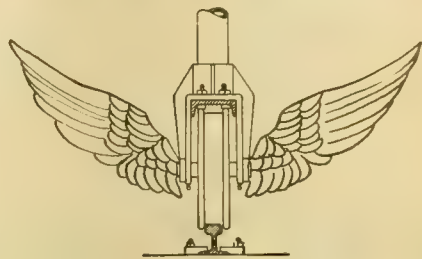
and his firm's exhibit at the S. A. F. Convention at
The talk of the convention will be **Garland's 20th**
the trip to Chicago to see the three latest features in
VENTION. YOU CANNOT AFFORD TO MISS IT.



GEO. M. GA

Lock Box S,

RESS

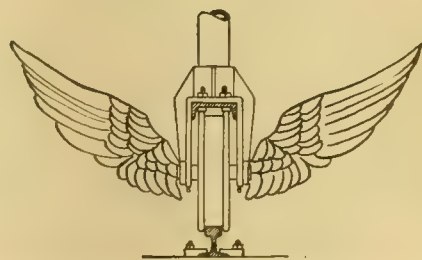


With Modern Progress

Chicago, August 22-24 will be one of unusual merit.
Century Achievements and it alone will be worth
Garland's Construction. SEE THEM AT THE CON-
We will be there to explain everything in detail.

RLAND CO.

DES PLAINES, ILL.



IMPORTERS AND JOBBERS OF
FLORISTS' SUPPLIES

WHOLESALE COMMISSION
FLORISTS

PERCY JONES

INC.

NOT THE OLDEST
NOR THE LARGEST
JUST THE BEST

56 E. Randolph Street,

CHICAGO

H. VAN GELDER,
Pres.

L. M. JONES,
Secy.

Chicago.

GOLDEN GLOW CHRYSANTHEMUMS ARRIVE.

The weather the past week has been very unfavorable and as a consequence trade has fallen off considerably and with a few exceptions stock is very plentiful. Mrs. Francis King and American gladioli are exceptionally fine and are arriving in very large quantities, but are not bringing the prices that they should. Orchids are a trifle more plentiful but the demand still holds up and there is no surplus to speak of. American Beauty roses are fine and are bringing good prices. Asters have improved considerably in quality but are not yet up to the standard. White roses are also a little more plentiful and some choice White Killarneys are now obtainable. Killarney is also in grand shape and the demand for Mrs. Aaron Ward roses is much better. Rhea Reids are arriving in much larger quantities and there is also a good supply of My Maryland, Prince De Bulgarie and Radiance. Daisies have seen their last days but dahlias are now in and lilies are seen in abundance everywhere. Indoor carnations are arriving and the first chrysanthemums, Golden Glow, made their appearance on August 10. They are very good for so early in the season and are bringing \$3.00 per dozen. Greens of all kinds are plentiful and smilax and adiantum are very good. Lily of the valley is improving in quality and is having a fairly good call. The wholesale stores have all been redecorated and everybody is making preparations for the big convention. The visitors will find a trip through the great central cut flower market very interesting and will receive a royal welcome from everyone.

NOTES.

The following local concerns will have exhibits at the coming S. A. F.



Miss Olga Tonner.

A Chicago Wholesale Florist.

convention: A. A. Arnold, American Florist Co., W. W. Barnard Co., Bassett & Washburn, L. Baumann & Co., Botanical Decorating Co., H. N. Bruns, A. Dietsch & Co., Foley Manufacturing Co., Fostoria Glass Co., Geo. M. Garland Co., B. F. Goodrich Rubber Co., A. Henderson & Co., Illinois Flower Box Co., Kroeschell Bros. Co., Jacob Lederer, Geo. P. Limbert Co., John C. Moninger Co., Frank Oechslein, Poehlmann Bros. Co., Pulverized Manure Co., Raedlein Basket Co., A. L. Randall Co., Sefton Manufacturing

Co., Superior Machine & Boiler Works, United Fertilizer Co., Universal Portland Cement Co., Vaughan's Seed Store and the Geo. Wittbold Co.

The Raedlin Basket Co. will have a very large exhibit at the S. A. F. convention and also at its salesroom, 713 Milwaukee avenue, and its many customers are cordially invited to inspect its line.

The Chicago Flower Growers' Association has fitted out the second floor of its store for the convenience of visitors to the S. A. F. convention and cordially invite everyone to favor the firm with a call.

E. E. Pieser and wife celebrated their china wedding at their home last Tuesday, August 13. They leave this week for the wilds of Canada for a visit with friends and relatives.

Fred Strail, with Lubliner & Trinz, has been suffering considerably with rheumatism since he has returned from his vacation.

Erne & Klingel are putting the finishing touches on their store and are now nearly ready to celebrate their first convention.

The next meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, August 15.

The Cook County Florists' Association will hold a meeting at the Tavern, West Washington street, August 15.

Harry Manheim, Hoerber Bros.' efficient store man, has returned from a very enjoyable vacation.

Miss Olga Aris, with A. M. York, Hancock, Mich., was a welcome visitor this week.

F. J. Simon wants it distinctly understood that he is still with Percy Jones.

J. B. Crofoot, with A. Henderson & Co., is back from a successful western trip.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Wholesale Growers of Cut Flowers

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.

	Per Doz.
Specials	\$3.00
30 to 36-inch	2.50
24-inch	2.00
18 to 20-inch	1.50
Short stem	per 100 \$4.00 to 8.00

PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.

	Per 100
Long	\$8.00 to \$10.00
Medium	6.00
Short	\$3.00 to 4.00

MELODY, long	8.00 to 10.00
Medium	6.00
Short	3.00 to 4.00

MRS. AARON WARD.

Fancy Long	\$5.00 to 10.00
Medium	6.00
Short	3.00 to 4.00

LADY HILLINGDON, long	\$8.00 to 10.00
Medium	6.00
Short	3.00 to 4.00

RICHMOND, Specials	8.00
Fancy	6.00
Medium	4.00
Good Short	3.00

KILLARNEY, Specials	\$10.00
Long	8.00
Medium	6.00
Good Short	\$3.00 to 4.00

WHITE KILLARNEY, Specials	\$10.00
Long	8.00
Medium	6.00
Good Short	4.00

ASTERS	\$1.00 to 4.00
--------	----------------

CARNATIONS, fancy	2.00 to 3.00
-------------------	--------------

ORCHIDS, Cattleyas, per doz.	6.00 and up
------------------------------	-------------

EASTER LILIES	12.00
---------------	-------

VALLEY	3.00 to 4.00
--------	--------------

DAISIES, field	.75
----------------	-----

SWEET PEAS	\$.05 to .75
------------	--------------

ADIANTUM CROWEANUM	1.00
--------------------	------

SMILAX, per doz.	1.50
------------------	------

SPRENGERI, PLUMOSUS SPRAYS	\$3.00 to 4.00
----------------------------	----------------

PLUMOSUS STRINGS, extra long and heavy	each .60
--	----------

PLUMOSUS, strong, long, medium	each .45
--------------------------------	----------

FERNS	per 1,000 1.50
-------	----------------

GALAX	per 1,000 1.25
-------	----------------

LEUCOTHOE	per 100 .75
-----------	-------------

N. J. Wietor says that Wietor Bros. are receiving a large number of orders for field grown carnations and that his firm now has a surplus of 200,000 extra choice plants. White Killarney and Killarney roses of fine quality are leaders at this house this week. Mr. Wietor, who is treasurer of the allied trade committee, speaks glowingly of the coming S. A. F. convention and says if there is anyone that has not yet made his donation he would be pleased to have him call at his office.

Miss Madaline Hirschberg, of the Atlas Floral Co., is spending her vacation at Lake Villa and Frank Williams is comfortably located at Kenilworth. Mrs. Williams is at the store as usual to see that everything runs along smoothly and is about as busy a lady as there is in the trade. Mrs. Goldstein resigns her position as bookkeeper this week after a long period of faithful service.

Schumann & Kohout of Libertyville are shipping a fine grade of American Beauty and Rhea Reid roses to the Chicago Flower Growers' Association's store.

Bassett & Washburn cut their first chrysanthemums on August 10 and a fine grade of Golden Glow are now seen at the store.

Gust. Alles, Wietor Bros.' old reliable storeman, is spending his vacation at his employer's home in the northern woods.

The Superior Machine & Boiler Works has just sold two No. 1 Superior boilers to Aug. Preibs of Park Ridge.

Kyle & Foerster's leaders this week are a fine grade of Golden Glow, chrysanthemums and convention asters.

A. J. Phillips has accepted a position with J. A. Budlong and is now assisting Wm. Homburg at the store.

NEW SOUTHERN HOTEL



ABSOLUTELY FIREPROOF

COMPLETE IN APPOINTMENT
ARTISTIC

300 rooms. 200 with private bath
Circulating Ice Water.

EUROPEAN PLAN

ROOMS WITH HOT AND COLD WATER.

For one person, \$1.00 and \$1.50 per day.
For two persons, \$2.00 and \$2.50 per day.

ROOMS WITH PRIVATE BATH.

For one person, \$1.50 to \$3.00 per day.
For two persons, \$2.50 to \$4.00 per day.

Make this your headquarters while
attending the convention.

Michigan Boulevard and 13th St.,

CHICAGO

Zech & Mann are featuring a very fine grade of America gladioli that are bringing good prices.

Tony Einweck, formerly with E. H. Hunt, is now with Poehlmann Bros. Co.

A. Miller and Fred Scheel attended the Bull Moose convention last week.

J. P. Sinner is improving but is still in a serious condition.

Mrs. James G. Hancock is vacationing at Lake Geneva.

WELC



N. J. WIATOR.

TO OUR

THE LATCH S

and we cordially in
yourself at home at
our large range of
von Avenue. We are
would greatly apprec

WIETO

Wholesale

162 N. Wabash Ave.,

- - -

COME !!

R CITY

TRING IS OUT

invite you to make
our store and to visit
greenhouses on De-
at your service and
iate a call.



HENRY WIETOR.

R BROS.

e Florists

CHICAGO

GREETINGS

F. H. WEBER

State Vice-President of Missouri S. A. F.

BOTH PHONES

TELEGRAPH AND PHONE ORDERS FILLED.

Boyle and Maryland Aves.,

ST. LOUIS, MO.

George Keller & Sons recently shipped a carload of flower pots to the city park commissioner of Calgary, Alberta, Can., and the duty and freight on the car amounted to \$302. This firm has manufactured flower pots since 1892 and are well known in this vicinity. A. F. Kohr and L. Hrudka, two other well known local manufacturers of flower pots, are enjoying a very good business and report an exceedingly heavy demand.

The M. Winandy Co., manufacturers of the new Winandy bench and heating system, is receiving a great many inquiries from interested florists throughout the country and it looks as if the firm will have plenty of work to do from now on. Mr. Winandy says that he has plenty of people on his staff to superintend the construction in out-of-town cities and that he can handle the work just as well as if it was in this immediate vicinity.

The following members of the ladies' reception committee of the Society of American Florists were entertained at the home of Mrs. Chas. L. Washburn at Hinsdale on August 8: Mrs. Adolph, August and John Poehlmann, Mrs. J. C. Vaughan, Mrs. Guy French, Miss Poehlmann, Mrs. George Asmus, Mrs. Zimmer, Mrs. Hancock and Mrs. E. H. Hunt.

Poehlmann Bros. Co. will give an excursion to its greenhouses at Morton Grove, on Wednesday, August 21, and all visiting florists and their friends are cordially invited to participate. The train will leave the Union depot at 12:40 p. m. sharp, and a reception committee will be in waiting at both the store and depot.

J. G. Mastin Co., manufacturer of the well known Mastin spraying machines, is planning on soon moving to much larger quarters owing to rapidly increasing business. Mr. Mastin says he has eliminated all the objectionable features in his machine and it is now perfect in every respect and should be in the hands of every grower.

A. L. Vaughan & Co. are receiving a large quantity of fine gladioli with America showing up exceptionally well. The venerable wholesaler is looking forward to a good time at the S. A. F. convention for he expects to meet many of his acquaintances whom he first met when he was a knight of the grip.

Chas. W. McKellar and wife, George Asmus and wife, James Kissel, John Young and Chas. Baluff spent a very pleasant evening at E. F. Winterson's magnificent home one evening last week and it is needless to say that the famous quartet rendered some very fine selections.

Frank Johnson and his large force at the A. L. Randall Co. have been working like beavers to get things in readiness for the coming S. A. F. convention and will have an exhibit at both the Coliseum and store.

The Geo. M. Garland Co. will show their three new features in Garland greenhouse construction at the con-

Auditorium Hotel--Chicago

W. S. SHAFER, Mgr.

Located at the corner of Michigan Boulevard and Congress street, overlooking Grant Park and beautiful Lake Michigan; within five minutes' walk of postoffice, railroad offices and the leading theatres and business center, it is unrivalled in this respect. It has an equipment second to none, recent improvements having been made at a cost of over \$300,000.

Absolutely fireproof. High class restaurant and the best facilities for serving large and small banquets.

Rates per day \$2.00 and up, single; \$3.00 and up, double. With private bath, \$3.00 and up, single; \$5.00 and up, double.

Headquarters Society American Florists

vention and Harry S. Garland expects to realize a great deal from the new invention in the future.

The Illinois State Florists' Association will have a booth at the coming S. A. F. convention and cordially invite all its members to make it their headquarters while they are at the Coliseum.

All the old players of the baseball nine are earnestly requested to attend a meeting at the Union Restaurant, Thursday evening, August 15, at 7 p. m. Important. Be sure and attend.

Robt Northam, George Reinberg's store man, says that the orders are coming in splendidly for the greenhouse material from the houses that were wrecked by a cyclone last fall.

Peter Reinberg's store is now being repainted and Tim Matchen, the efficient manager, and his able assistants are all ready to welcome the visitors to the S. A. F. convention.

The Chicago Carnation Co. is disposing of a large quantity of choice gladioli and some magnificent Mrs. Francis King and America are very noticeable.

John Kruchten's stock is arriving in fine shape and in large quantities and the enterprising manager says he is well fixed on everything on the bill-of-fare.

The J. B. Deamud Co. is looking forward to a banner fall and has increased its store force so as to be able to handle the business satisfactorily.

J. A. Budlong is cutting some exceptionally choice lily of the valley and is certainly making a reputation for his famous blue ribbon brand.

L. H. Winterson has returned from a very pleasant outing at Blue Field, Ky., and is again busy as a bee at Winterson's Seed Store.

H. Wittbold is adding some new fixtures to his display room and will have a fine exhibit for convention week.

Percy Jones' store is now completely overhauled and presents a most inviting appearance.

Chas. W. McKellar's new store will be in fine shape for the convention

BEST TRAINS
BETWEEN

ST. LOUIS

AND

CHICAGO

VIA

C. & E. I.

Chicago and Eastern Illinois R. R.

The Official Route to the
Convention of American
Florists at Chicago.A Few of the C. & E. I.'s Unequalled
Advantages:

LaSalle Street Station in the heart of Chicago.

Lounge-Grill Car Service.

Free Combination Club and Chair Car Service De Luxe.

Official Mail Route.

Restful Sleep.

Fewer Stops.

Locomotives Unequalled for Power and Speed.

Less Noise.

Observation-Buffer-Library Cars.

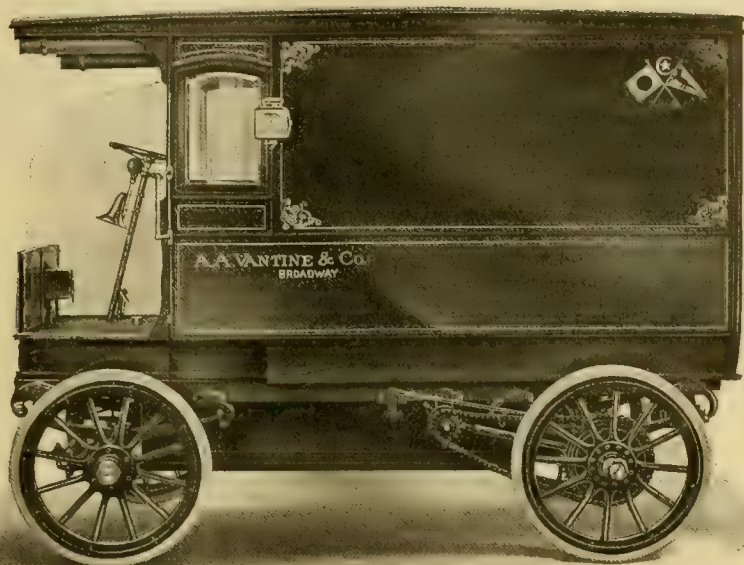
W. H. RICHARDSON
GENERAL PASSENGER AGENT
Chicago, Ill.

and is a great improvement over his old place.

Prof. H. B. Dorner of Urbana was in the city for a few days this week.

The E. C. Amling Co.'s store is also receiving a new coat of paint.

The Leader of the Progressives



UNINTERRUPTED SERVICE MINIMUM COST OF OPERATION

The Lansden's claim as the most progressive commercial truck is well founded on this fact—it was the first electric truck built to use the **Edison Storage Battery**: this was nine years ago. As the one developed, so has the other; this is why the Lansden Electric is **safer, speedier, more economical** to operate and will run farther on one charge than any other electric truck built.

If you attend the convention visit, our Chicago sales room and let us tell you how much it costs to operate a Lansden truck—facts based on nine years' actual experience.

☐ There are 3000 Lansden Trucks in use.

☐ Made in sizes from 800-pound to 7-ton capacity.

☐ Prices range \$1,900 to \$5,000.

The Lansden Company

FACTORY AND MAIN OFFICES:

NEWARK, - NEW JERSEY.

C. P. JAEGER,

Mgr. 1000 Michigan Av., CHICAGO

WESTERN BRANCH:

How'dy Smile

for you
Sprinkle-proof

SAMUEL SELIGMAN

at the Coliseum

There will be a meeting of the chairmen of the convention trade committees at the Union Restaurant, 70 West Randolph street, Friday evening, August 16, at 8 p. m.

Otto Wittbold, of the Otto Wittbold Nursery Co., Edgebrook, is busy taking inventory and will issue his fall nursery price list soon.

W. T. Kroeschell has returned from a pleasant outing at his summer home.

Visitors: A. D. King, Mattoon; Chas. J. Pass, North Platte, Neb.; Martin Reaukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.; R. Karlstrom, with W. A. Manda, South Orange, N. J.

DULUTH, MINN.—William Jaap, of Lester Park, will soon start work on a greenhouse to cost \$10,000.

CLEVELAND, O.—J. F. Barners, 2010 Spring road, has been granted a permit to erect a greenhouse at a cost of \$1,000.

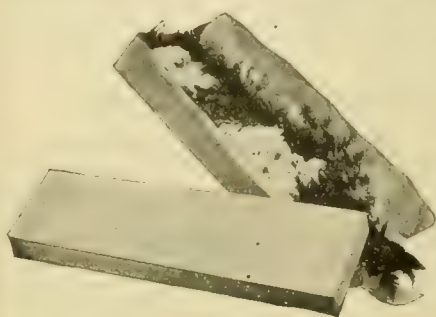
BERGER'S FLOWER — MARKET —

AN IDEAL LOCATION : :
IN THE HEART OF THE CITY

We offer a complete stock that is up-to-date every market day in the year. This combined with our instantaneous device, every trade facility, convenience to railroad depots, insures immediate delivery of all orders.

BERGER BROTHERS WHOLESALE
.. FLORISTS ..
140-142 N. 13th St. PHILADELPHIA, PA.

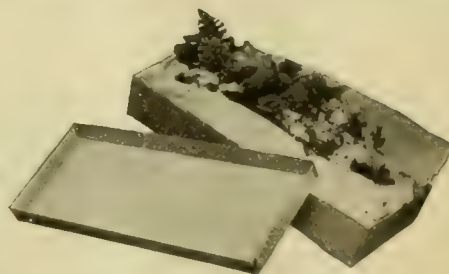
FLOWER BOXES That Are Distinctive



Neat Printing, High Quality and Finish of Material give distinction to

SEFTON

FOLDING CUT FLOWER AND CORRUGATED DESIGN STYLE
FLORISTS' BOXES



Equalize and standardize the quality of your packages and floral effects. Have them recognized by uniformity of neatness, attractiveness and safety in protection. The result will be increased orders.

THE SEFTON MFG. COMPANY, 1335 WEST 35TH STREET, CHICAGO
Factories: Chicago, Ill.; Anderson, Ind.; Brooklyn, N. Y.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

St. Louis.

LARGE STOCK, BUT LITTLE DEMAND.

Market conditions continue about the same. Plenty of everything with but very little demand. Asters are selling at low prices, even fancies not bringing any price. Pink roses are especially plentiful. White are not so numerous but are plenty enough to go around. St. Louis will furnish her share of the convention crowd.

NOTES.

The St. Louis Florists' Club met last Thursday, 35 members being present. Robert J. Windler in the chair. The following officers were elected: F. H. Weber, president; Charlie Young, vice-president; J. J. Beneke, secretary; Will C. Smith, treasurer. Trustees are: Wm. Osseck, three years; John Connon, two years. The following new members were elected: Fred Pape, A. Gumz, Frank Windler, Max Herzog, L. Baumann, Gus Eggling, Charlie Fullgraff.

Arthur Waldman will confine himself to his work at the greenhouses at Pine Lawn, Mo. His retail store will now be conducted by his daughter, Miss Matilda Waldman. This young lady is well known in the trade and we wish her success.

Theodore Miller will open his new flower store at Hamilton and Delmar avenues early in September. The store and building recently were erected by Mr. Miller. He will retain his present shop also.

Charlie Young, of Young & Sons, has been in poor health lately. He has gone to South Haven, Mich., to recuperate. He will attend the convention. Will Young and Jim Arado will also be there.

F. H. Weber has worked hard for the S. A. F. and we are glad to note his success in obtaining new members and getting a large local contingent for the convention.

F. H. Ammann is very busy, but he will attend the convention. He was recently here after taking in the Bull Moose meeting in Chicago.

Wm. C. Smith and wife are spending a few days' vacation at Blue Spring Lodge in the Ozarks.

Alex Walbart and his son Eugene will be visitors to the convention.

BOSTON FLOWER EXCHANGE

Will Hold Their Annual

Auction Sale of Stalls

—ON—

Saturday, August 31, 1912

At 9 o'clock a. m.

Sale To Be Held in the Market

—AT—

C. PARK STREET

BOSTON, MASS.

PER ORDER BOARD OF DIRECTORS

C. A. Kuehn is receiving some especially fancy Golden Glow chrysanthemums and fine gladioli.

H. H. Cade, Carroll, Ill., visited the local market Monday morning. W. F.

Boston.

ASTERS VERY POOR.

Waiting for something to turn up—that is about the state of the market this week. The buyer has to be hypnotized to make him think he is getting good flowers. In roses, Mrs. Taft holds the lead and the few Radiance that are seen are good. As an all year round rose this one is certainly good. American Beauties are good and the normal supply keeps pace with the demand. Asters are the drag. Some we saw were shipped in bushel boxes, thrown in like so many potatoes. The old excuse, no time, is applicable in these cases. One of the principal assets in the flower growing line is the packing. They ought to reach the agent in a presentable condition, ready for the inspection of the buyer. We have seen flowers of poor

quality put up attractively, sell quicker and at a less percentage of loss than the goods of better quality slovenly packed. This rule applies in a time of depression as well as at any other.

NOTES.

The following orders for greenhouses have been placed with the A. T. Stearns Lumber Co., Neponset: Eastern Nurseries, Jamaica Plain, one house 19x74 feet and one house 12x54 feet; Wm. Turner, Woburn, one house 35x200 feet; Gallivan Bros., Holyoke, one house 17x40 feet; Boston Gardening Co., Waban, one house 45x215 feet; Samuel F. Carlisle, West Acton, one house 40x150 feet; Given Bros., Burlington, two houses, 40x250 feet each; Frank F. Hawley, Brookline, one house 25x100 feet.

The auction sales of stalls of the Co-operative Flower Market will be held August 31. This market is still growing and the success they have had has been due to the wise policy of the directors.

Wm. Grasse is marketing some nice scabiosa.

MAC.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

Cincinnati.

WEEK OPENED WITH RUSH.

Last week the opening days showed a pace that had it been maintained would have been a record breaker. Business, however, tired at the stretch and when the end was reached a small spurt on Saturday scarcely had any effect on market conditions. At the opening everything good and some things near good sold in a way most pleasing to the wholesaler. Had it kept up it might have put him in a position to dictate prices, but as it was the close left him where he could only accept what was offered. Shipping business has been strong and steady and has kept up nicely. Summer weather of the good old fashioned kind has brought in tea roses in quantity. The good sell, while the medium, and culls move only at buyers' prices. The demand for American Beauties is good and they sell nicely. The Taft roses coming in are of a very high quality. Many good mid-season and late asters are coming in in good quantities. The good ones sell but the poorer ones hardly move even at buyers' prices. Gladioli have crowded up until now there is a glut of them. The fancy ones alone sell but their price is forced down by the large surplus of smaller varieties. Easter lilies are meeting with a pretty fair call, while their kin, the auratums, are only ordinarily popular. Hydrangea paniculata finds a fair demand. The green goods market is well supplied. Ferns enjoy a good call.

NOTES.

The following will represent Cincinnati in the bowling tournament at the convention: C. E. Critchell, A. C. Hickman, Jr., Ed. Schumann, Ald. Horning and Ray Murphy. State Vice-President Critchell's herculean efforts to get florists to go to Chicago will be rewarded by this city sending the largest delegation that it has ever sent to any convention of florists.

E. G. Gillett entertained at his home Mr. Michler of Lexington on Sunday, for dinner. Mr. Michler came to meet his mother, who was returning from Maryland.

Clarence Ohmer, of West Palm Beach, Florida, will go to the convention directly from Columbus, Ohio, where he will be at the end of this week.

Miss May Carroll is on a business trip through Kentucky. Miss Carroll expects to get back in time to join the local delegation for Chicago.

The Avondale Floral Co. is rebuilding its conservatory back of the sales-room.

C. E. Critchell is having the largest call for cut ferns that he has ever had at this time of the year.

The J. M. McCullough Sons' Co. have been getting in an excellent line of asters.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Aug. 14.	Per doz.
Roses, Beauty, specials.....	3 50@ 4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 24-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75@ 1 00
" " Short.....	Per 100
" Killarney.....	4 00@ 8 00
" White Killarney.....	3 00@ 10 00
" Richmond.....	3 00@ 10 00
" Prince de Bulgarie.....	3 00@ 10 00
" Radiance.....	3 00@ 10 00
" Mrs. Aaron Ward.....	3 00@ 10 00
" My Maryland.....	3 00@ 10 00
" Melody.....	3 00@ 10 00
" Bride.....	3 00@ 10 00
" Bridesmaid.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Kaiserin Augusta Victoria.....	3 00@ 10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, per doz.....	3 00
Asters.....	1 00@ 3 00
Cattleyas, per doz.....	6 00@ 7 50@ 9 00
Daisies.....	75
Feverfew..... per bunch.....	35@ 50
Gardenias.....	3 00
Gladioli..... per doz.....	75@ 1 00
Lilium Harrisii..... per doz.....	1 50 8 00@ 10 00
Marguerites.....	1 00@ 1 50
Stocks fancy..... per doz.....	50@ 1 00
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.....	1 50
Galax.....	1 25
Leucothoe.....	75
Plumosa String..... each.....	60
Smilax..... per doz.....	1 50@ 2 00
Sprenger, Plumosa Sprays.....	3 00@ 4 00

Ed. Bossmeyer, of C. E. Critchell's, is again back at work after his vacation.

Ed. Fries is cutting excellent gigantes from out of doors.

Harry Franke broke his arm last week.

Visitors: Martin Reukauf and L. H. Brague, of L. B. Brague & Son, Hinsdale, Mass.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **Cut Flowers**
Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
 Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
 Bon Silene and Safrano. All clean, healthy stock.
 WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
 Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT,

Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens. American Beauty, Valley,
 Carnations, Killarney, Richmond, Maryland,
 and other seasonable stock.

Milwaukee.

STOCK SUFFERS FROM RAIN.

Stock has suffered considerably, owing to the continual rain which we have had during the last week. Sweet peas and gladioli, which were selling fairly well up to that time were hard hit. Carnations are practically out of the market and asters have made their appearance in quantity to replace them. Easter lilies are a scarcity, also roses, which sell readily. Valley has not been seen in the market for a week. There are plenty of greens to fill all orders.

NOTES.

Miss Louise Koehn, who has been in the local flower business for a number of years and recently in charge of the flower department of the Home Bros. Co., has resigned to be married some time in September.

Alfred Hollatz, of Brown Deer, has returned to his place at the Holton & Hunkel greenhouses after spending the week at Cedar Lake, Wis.

W. C. Zimmermann returned Sunday night, after spending his vacation at the Eagle convention, at Cleveland, Ohio.

Gust Rusch & Co. are keeping busy and report business far beyond their expectation for this time of the year.

A number of the Milwaukee florists contemplate attending the S. A. F. convention at Chicago.

A. Leidiger, of the Edlefsen & Leidiger Co., is spending a few days at Cedar Lake, Wis.

F. F. Delventhal, of Rusch & Co., is the possessor of a fine new Case touring car.

Gust Rusch has returned after a week's fishing at the upper Wisconsin Dells.

Roy Currie is spending his vacation at his summer home, at Army Lake.

Harry Mann, of G. Rusch & Co., is again on duty after a week's vacation. G. R.

Oklahoma City.

Rains have fallen and the temperature has moderated; all out-doors is very much revived and the hearts of seed growers will be gladdened, for it began to look rather unpromising, owing to the continuous drouth and the occasional hot winds.

Not much life is visible in the flower stores. Things are very quiet indeed, though the summer dullness is not expected to last much longer, for September usually brings with it a material brightening up in business here.

J. F. Hickey, manager of the Barteldes stores, has been on an inspection trip through Arkansas. He was away several days and says it is yet too early to give out any information regarding seed crops. S. S. B.

Wholesale Flower Markets

BUFFALO, Aug. 14.		Per 100
Roses, Beauty, special.	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	12 00@15 00	
" " No. 1.	6 00@10 00	
" " No. 2.	2 00@4 00	
Maid and Bride.	3 00@6 00	
Pink Killarney.	3 00@6 00	
White Killarney.	3 00@6 00	
Richmond.	3 00@8 00	
My Maryland.	3 00@6 00	
Kaiserin.	3 00@8 00	
Carnot.	3 00@7 00	
Carnations.	1 00@2 00	
Cornflowers.	per bu., 5	
Asters.	50@2 00	
Gladioli.	2 00@4 00	
Lilium Longiflorum.	7 00@10 00	
Lily of the Valley.	3 00@4 00	
Pink Japan Lily.	3 00@4 00	
Swainsona.	50@1 00	
Sweet Peas.	per bu., 4@6c	
Adiantum Croweanum.	75@1 50	
Asparagus, per bunch.	35@ 50	
Asparagus, Sprengeri.	35@ 50	
Ferns.	per 1000, \$1 50	
Galax.	per 1000, \$1 50	
Smilax.	15 00	

BOSTON, Aug. 14.		Per 100
Roses, Beauty, best.	20 00@25 00	
" " medium.	12 00@20 00	
" " culls.	1 00@2 00	
" " Bride, Bridesmaid.	2 00@6 00	
" " Extra.	2 00@6 00	
" " Killarney and Richmond.	2 00@8 00	
" " My Maryland.	2 00@8 00	
" " Carnot.	6 00@12 00	
Carnations, select.	1 00@2 00	
Callas.	8 00@12 00	
Cattleyas.	35 00@50 00	
Gardenias.	6 00@12 00	
Lilium Longiflorum.	4 00@8 00	
Lily of the Valley.	2 00@4 00	
Mignonette.	3 00@6 00	
Sweet Peas.	25@ 75	
Smilax.	12 00@16 00	
Snapdragon.	6 00@8 00	

ST. LOUIS, Aug. 14.		Per 100.
Roses, Beauty, short stems.	3 00@6 00	
" " Killarney.	2 00@4 00	
" " My Maryland.	3 00@5 00	
" " White Killarney.	2 00@6 00	
Asters.	2 00@4 00	
Easter Lilies.	6 00@8 00	
Gladioli.	2 00@3 00	
Valley.	3 00@4 00	
Asparagus Sprengeri.	2 00@3 00	
Asparagus Plumosus, per bu., 35@60		
Ferns, New, Fancy.	1 50	

CINCINNATI, Aug. 14.		Per doz., 50@ 3 00
Roses, Beauty.	per doz., 50@ 3 00	
" " Bride, Bridesmaid.	2 00@8 00	
" " Killarney.	2 00@8 00	
" " My Maryland.	2 00@8 00	
" " Perle.	2 00@8 00	
" " Richmond.	2 00@8 00	
" " Taft.	2 00@8 00	
Asters.	1 00@3 00	
Lilium Auratum.	8 00@12 50	
Lilium Giganteum.	8 00@10 00	
Gladioli.	2 00@4 00	
Lily of the Valley.	3 00@4 00	
Adiantum.	1 00	
Asparagus Plumosus.	per bunch, 25	
Asparagus Sprengeri.	per bunch, 25	



Give Us a
 Trial
 We Can
 Please You.

Roses, Carnations and all kinds of
 Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
 Commission
 Florists,
BUFFALO, N. Y.
 Florists' Supplies and Wire Designs.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale
 Florist,
 1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
 FLOWERS and Jobbers of
 FLORISTS' SUPPLIES.

Columbus, Ohio

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
 Pittsburgh, Pa.

C.C. POLLWORTH CO.

Advise Planting Formosa Lilies now.
Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**



E. G. GILLETT

— WHOLESALE COMMISSION FLORIST

Manufacturer of
SUPERIOR WIRE WORK
FOR FLORISTS

SEND FOR CATALOGUE

Consignments of all kinds of Cut Flowers solicited
Prompt sales with check every week

I Sell Ohmer's Florida Cut Ferns
and Asparagus Plumosus

131 East 3rd Ave., CINCINNATI, OHIO

—THE— J. M. McCullough's Sons Co., Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

WILKESBARRE, PA.—John G. Mattern
is erecting another greenhouse, 28x100
feet.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Aug. 14,	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Daisies.....	50@ 1 00
Gladioli.....	2 00@ 4 00
Lilium Giganteum.....1.25 doz.	8 00@10 00
Sweet Peas.....	50
Swainsona.....per bunch,	25
Asparagus.....per string,	50
" Sprengeri, per bunch,	25
Ferns, Fancy.....per 1000,	1 50
Galax.....per 1000,	1 50
Smilax.....per doz.,	2 00

PITTSBURGH, Aug. 14,	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@25 00
" No. 1.....	6 00@10 00
" Bride, Bridesmaid.....	2 00@ 4 00
" hatenay.....	2 00@ 4 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	2 00@ 4 00
" Richmond.....	2 00@ 4 00
Asters.....	50@ 1 50
Cattleyas.....	50 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 50
Sweet Peas.....	50
Adiantum.....	1 00
Asparagus Sprengeri, per bunch,	35
Sprays.....per bunch,	35

PHILADELPHIA, Aug. 14,	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Dahlias.....per doz.,	1 00@2 00
Gardenias.....	2 00@ 3 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snappdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch,	50
Smilax.....	15 00@20 00

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone.

L. P. WALZ, Mgr.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,

30th L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street.

ST. LOUIS, MO

Mention the American Florist when writing

New York.

BUSINESS DULLER.

Duller conditions prevail generally. A gradual increase in the supply of roses finds a not over-ready demand and these at lower prices. Carnations, the few there are of them, are a negligible quantity. Asters, of which we have had a large supply, are not coming in so freely but are still a difficult proposition to handle as to results. Even though all were good flowers—and the larger part are not—there would still be too many. Gladioli are very plentiful and sales slow. The quality is good. Hydrangea has appeared in the market with other field grown stock. Harrisii maintain their price when of the best grade but the tendency to lower prices is evident. Cattleyas are unchanged. Valley are easier with somewhat lower quotations.

NOTES.

Chairman Frank Traendly, of the transportation committee, is still short a few names in order that he may secure the special train for the delegates going to the convention. Unless they have signified their intention by **Saturday of joining the party**, they will have to be satisfied with two cars on the regular train that leaves at the same time Monday morning. But at the time of writing it seems possible that the necessary number will go.

The members of the Bowling club that will take part in the bowling tournament are in splendid condition, and the baggage car on the train has been so arranged that they may have light exercise on the trip so they will not get out of form. "Bert" Chadwick is captain and has charge of the team.

Charles Schenck has returned from his vacation. The senior member of the firm will now attend the convention with his family and take a month's trip on the lakes and through the lumber camps of Michigan.

The municipal department of highways has compelled some of the seedsmen to move their show windows in considerably which will prevent sidewalk displays in future.

The "outing" of the Tarrytown Horticultural Society, at Rye Beach, August 6, was a great success and reflected credit on the committee having charge of the arrangements.

The firm of Carillo & Baldwin, Mamaroneck, has been dissolved. Mr. Baldwin buying his partner's interest, and the firm name will now be the George A. Baldwin Co.

The men driving the artesian well for the Bedford Flower Co., Bedford Hills, N. Y., have reached a depth of 150 feet, but no sign of water as yet.

A. Hanig and wife are the parents of an eleven-pound boy. Mr. Hanig is the manager of Gimbel Bros.' flower department.

Wm. C. Ford has rented one of the Jno. Nicholas stores at 107 West 28th street and will move in as soon as the store is ready.

The painters and decorators have been busy renovating the store and greenhouse of William Kessler.

H. E. Phillpot, of Winnipeg, was a visitor in the wholesale market Saturday.

A few 'mums are seen daily at the establishment of Badgely, Reidel and Meyer.

George Holst, Jr., will open a retail store at Flushing, Long Island.

"Jack" Gunther has been on jury duty during the past week.

Tommy Martin is spending his vacation at Narragansett Pier. Y.

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

P. H. GOODSSELL,

200 Broadway, New York City

J. J. HUNTER

Supt. of Sales Rooms and Warehouse

W. E. MAYNARD

Mgr. Sales Dept. (Basem't)

157-159 William St., New York

Philadelphia.

BUSINESS VERY POOR.

Another hot spell has crept in after a week of delightfully cool weather. Business is very poor. Asters now have the call and quantities of them are daily thrown on the market. "Thrown" is the correct word here, that is, judging from the condition of much of the stock, for it presents a very bedraggled appearance. This may be caused by late planting, insufficient watering, poor strain, lack of root stimulant, cutting too soon or too late, poor picking or other reasons. Such stock returns about 5 cents a bunch, while with careful attention to culture, cutting and picking, it would bring at least 25 cents, and selected stock would bring probably 50 cents. Roses are a shade better, seeming to have more substance and a better color. American Beauties are in better supply. Hydrangea paniculata is in and is seen in window decorations. It is useful to the maker up as a base for designs. Gladioli are bringing into use all the jars not used for the asters. Some of it is fine, but there is a great deal that goes at buyers' figures. Easter lilies and valley are about equal to the demand. Gardenias and cattleyas are cut and sent in on order.

NOTES.

The convention is the topic of the hour and has caused more excitement here than almost in any city in the country apparently. The Robt. Craig Co., H. A. Dreer, Joseph Heacock Co., Chas. D. Ball and the estate of Lemuel Ball will make large exhibits of plants. H. Bayersdorfer & Co. and M. Rice & Co. will sustain the reputation of this city as the florists' supply headquarters. H. F. Michell will also stage an interesting collection of bulbs and garden accessories. There will be quite a representation of delegates, although the list is far from complete at this writing. John Westcott heads the list and has the names of a number who are still undecided. So far the list includes W. K. Harris and wife, Mark Mills and wife, Paul Klingsborn and wife, Leo Niessen, S. S. Pennock, E. J. Fancourt, Joseph Heacock, Theodore Shober, W. P. Craig, Duncan Macaw, Sydney Bayersdorfer, Isaac Bayersdorfer, Stephen Green, E. Eschner, A. Yirkman, Robert Stack and F. J. Farney, and it is thought that quite a number of others will show up about train time. They will go by the B. & O. route with the Baltimore and Washington delegations.

Mr. Mann, of the E. G. Hill Co., of Richmond, Ind., and Meyer Heller of New Castle, Ind., were in this city last Monday looking up stock for their new chain of stores in the western cities. They are very sanguine of this new system of retailing from grower to buyer at cut rates and expect to find a new field not worked by the old system.

John F. Sibson, long gardener for the Thos. McKean estate, has progressed into a real bona fide grower, having purchased the Rasmussen establishment at Lansdale. There are some 15 acres of ground. Mr. Sibson intends adding some modern houses and get into the game with the best of them.

Louis Dupuy of Whitestone, L. I., was in town Monday looking up

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

plants. He talked very entertainingly of his visit to the recent London show and particularly of the gardens on the Rothschild estate at Ascot, which, he says, are by far the most extensive and beautiful he has ever seen. K.

New York to Chicago.

As the time is fast approaching and we are thinking of vacations, stop thinking about them and write to F. H. Traendly of Traendly & Schenck, 131-133 W. Twenty-eighth street, New York, for accommodations on the convention special which will leave Grand Central station, Forty-second street, Monday, August 19, at 10 a. m. en route to Chicago. It is most important for every live florist to attend this convention. Those who are members of the S. A. F. know the advantage they derive by being members and florists that are not members should not miss this opportunity and become a member at once. Come as our guest and let us demonstrate the advantages to you. You will surely be convinced at the knowledge you will derive and will be well repaid for the trip, the meeting with other florists from all parts of the United States and Canada and the great trade exhibition that will eclipse any heretofore held. This is an opportunity that a florist should not let go by as it is as important as any part of our business to keep up with the times. Any further information and application for membership blanks will be gladly furnished and we hope that we may meet a good-sized party August 19 when our New York Florists' Club's special leaves the depot. Mr. Traendly and the committee who have charge of the arrangements en route have left nothing undone to make this the most pleasant trip ever leaving New York for a convention.

A. L. MILLER, State vice-president for Eastern New York.

Washington.

CLUB RESOLUTIONS.

Resolutions on the death of William R. Smith were passed by the local Florists' Club at their last meeting as follows:

Whereas, The late William R. Smith, an honored member of this organization, was for the greater part of his life a resident of the national capital, where he devoted the best efforts of his noble mind to the uplifting of the florists' trade and

Whereas, It is proposed to erect a monument to his memory in this city;

Therefore, be it resolved, That the Florists' Club of Washington, D. C., pledges two hundred dollars from its treasury towards the fund for such monument and further pledges to use its utmost endeavor with all kindred organizations and individuals to further the movement for a suitable memorial worthy of the memory of the man who worked faithfully and efficiently for the benefit of humanity through the best principles of our calling.

D. G. GRILLBORTZER,
WM. F. GUDE,
GEO. FIELD,
E. C. MAYBERRY,
O. A. C. OETIMLER,
Committee.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer,

Everything in Supplies

**Charles Millang**

WHOLESALE FLORIST

5 and 57 West 26th St., NEW YORK
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited.

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.
Mention the American Florist when writing**A. L. YOUNG & CO.**

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere

Prompt and satisfactory. Consignments solicited
Mention the American Florist when writing**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328. 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.**AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago****Wholesale Flower Markets**

	NEW YORK, Aug. 14,	Per 100
Roses, Beauty, special.....	15 00@	25 00
extra and fancy ..	8 00@	12 00
No. 1 and No. 2....	1 00@	6 00
Bride, Bridesmaid.....	3 00@	4 00
extra and fancy.....	50@	2 00
No. 1 and No. 2.....	3 00@	5 00
Killarney, My Maryland..	2 00@	3 00
extra and fancy.....	50@	2 00
No. 1 and No. 2.....	50@	2 00
Taft, Hillingdon, Aaron	50@	5 00
Ward.....	50@	2 00
Richmond.....	50@	2 00
Asters.....	50@	2 00
Carnations.....	50@	2 00
Cattleyas.....	20 00@	50 00
Gardenias.....	8 00@	15 00
Lilies, Longiflorum and Harrisii	4 00@	8 00
Lily of the Valley.....	1 00@	2 00
Adiantum Croweanum.....	15@	25

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888

1912

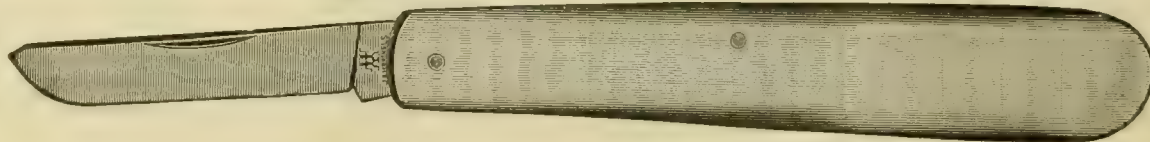
GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

St. Paul.

BUSINESS VERY GOOD.

The last week business has done remarkably well. Trade in general is good and funeral work has been holding up well. Most all the retailers are satisfied with the summer's trade. Outside stock is still in the best of condition and with our continued cool weather it should improve constantly. Inside roses are also coming in better and no doubt will continue to improve as the season advances. Bedding throughout the city and in the parks is in the best of shape.

NOTES.

Munich and Wahler have purchased the greenhouses of Leo Hermes on Gorman avenue. Mr. Munich was formerly with Burpee & Co. and Mr. Wahler is from Chicago, where he was with Peter Reinberg. Mr. Hermes, who retires from the flower trade, has purchased a grocery store, and in the future will direct his energy in that line of business.

A number of park superintendents from the western cities, enroute to Boston to attend their convention, stopped over in St. Paul for several days. The party was conducted through the various parks in both this city and Minneapolis. They expressed themselves well pleased with the condition of our parks.

Nearly all the florists in the city were asked to donate flowers last week to the W. C. T. U., who had charge of the flower mission at the Stillwater prison August 11. All prisoners as they leave the chapel after the service are handed a bunch of flowers to which is attached a text from the Bible.

Holm & Olson will furnish Superior, Wis., with 50 acres of parkway. This includes the laying out of all grounds, such as tennis, baseball, picnic, dancing pavilion, bathing beach, etc. The ground will be put in shape so that planting will be started the first of the year.

A flower show was held last week at White Bear, a suburb of St. Paul, and as that vicinity supplies the bulk of the outside stock to the St. Paul market, a fine lot of stock was exhibited.

A great many St. Paul florists are contemplating going to the Chicago



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets, \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

convention and no doubt a good representation will be there.

Mr. Sherman, of the Sherman Nursery Co., Charles City, Ia., was a visitor last week.

W. S. Hall of Osage, Ia., was in St. Paul arranging for his next season's cut. C. F.

Butler, Pa.

Butler is the seat of a great steel car and wheel industry and is fast becoming one of the important manufacturing cities of the state. In addition to steam railroads it can be reached by a fast trolley line from Pittsburgh. The Butler florists seem to be sharing in the general prosperity. William Leith has a good store, which is conducted by one of his sons. He has twenty thousand square feet of glass which he personally superintends and several other sons work with him. Wm. Leith, as his name indicates, is a native of the "land o' cakes," and possesses the qualities of quiet industry and carefulness in business transactions, which is a racial trait.

Though engaged in other business, G. H. Walter has erected a greenhouse and grows considerable stock.

Other florists from this city and nearby towns who will be seen at the Chicago convention are: Geo. W. Burki; J. W. Jones, superintendent Phipps Conservatories; P. S. Randolph and two sons, and Joseph Thomas, of Greensburg. Mr. Burki and Mr. Jones will leave here on the evening of August 19. Others of the Pittsburgh party will leave on the same day, but are as yet undecided whether they will go on a day or night train.

Anton Krut has also a good store and several greenhouses.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens. ALA.
EVERGREEN.

Mention the American Florist when writing

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**

E. A. BEAVEN, Evergreen, Ala

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of quality and quantity.

E. FRIEDL, Phillips, Wis.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,
129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.
Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.
Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
628 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hainl)

336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

PITTSBURGH

and Vicinity.

Mrs. E. A. Williams

621 Penn Avenue.



FROM NEW YORK EXCEPT AS NOTED.

August 21.
Martha Washington, Austro-Amer., 1 p. m.
August 22.
Adriatic, White Star, 12 noon.
Cincinnati, Ham.-Amer., 1 p. m.
Berlin, North Ger. Lloyd, 10 a. m.
Ivernia, Cunard.
FROM QUEBEC, Empress of Britain, Can.
Pacif., 3 p. m.
August 24.
Caledonia, Anchor, 8 a. m., Pier 64, North River.
St. Paul, American, 9:30 a. m., Pier 62, North River.
Zeeland, Red Star, 10 a. m., Pier 61, North River.
Duca D'Aosta, Navigazione.
Prinz Friedrich Wilhelm, North Ger. Lloyd, 10 a. m.
Russia, Russian-American, 2 p. m.
Cassandra, Donaldson, at daybreak.
Caronia, Cunard.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the heart of NEW YORK
And give special attention to steamer and theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to **IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.**

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"
Members of Florists' Telegraph
Delivery Ass'n.
37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburgh.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Samuelson, 2132 Michigan Av., Chicago.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburgh.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.
Zieger Co., Inc., Pittsburgh.

J. A. VALENTINE, Denver, President.
W. J. PALMBER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George
Asmus, Fred H. Meinhardt.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874 Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

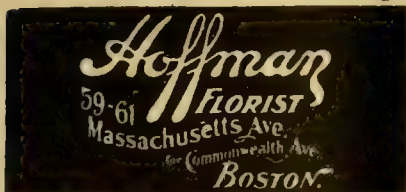
THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Samuelson, 2132 Michigan Ave.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York, Max Schling, 22 W. 58th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh—John Bader Co.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heinel & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 80 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out
of-town florists. Trade discount.
215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W
Write, Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable name:

Only
the
Best **Dunlop's**
98 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS, Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

CHICAGO

ORDERS Sent to

SAMUELSON

ARE
CAREFULLY
EXECUTED

2132-2134 Michigan Avenue

Send your orders for Chicago and Sub-
urbs toAll orders carefully filled
under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING
FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

FLOWERS DELIVERED EVERYWHERE

Pittsburgh's Leading Florist

Zieger Company, Inc.

Baum Street, East End

Our AUTOMATIC PLANT STAND will be shown
at H. BAYERSDORFER'S at the Convention.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either
Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Salford Flower Store"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for
delivery in Schenectady, Amsterdam and vicinity
should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,

FLORISTS.

Phones: Home 1336. Cumb, Main 1338 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN

2668 Broadway.

Situated in the finest residential part of the
city, has the best facilities for promptly filling any
orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

Rockford, Ill.

H. W. Buckbee

Dreer's Convention Month Specials



EXCEPTIONAL VALUES IN ARAUCARIAS
in all varieties in the following sizes:

Excelsa.				Each
4-inch pots,	5 to 6 inches high,	2 tiers	.....	\$0 30
5 " "	8 to 10 " "	3 " "	.....	40
5 " "	10 to 12 " "	3 " "	.....	60
6 " "	12 to 15 " "	3 to 4 " "	.....	75
6 " "	14 to 16 " "	4 " "	.....	1 00

Excelsa Glauca.				
5-inch pots,	8 inches high,	2 tiers	.....	75
6 " "	10 to 12 " "	3 " "	.....	1 00
7 " "	13 to 15 " "	4 " "	.....	1 50

Excelsa Robusta Compacta.				
5-inch pots,	8 to 10 inches high,	2 tiers	.....	75
6 " "	10 to 12 " "	2 " "	.....	1 00
6 " "	12 to 14 " "	3 " "	.....	1 25
7 " "	14 to 16 " "	3 " "	.....	1 50

Excelsa Plumosa.				
A comparatively scarce form, almost as compact in habit as Robusta Compacta and of a richer, deeper green color; very desirable.				
5-inch pots,	8 inches high,	2 to 3 tiers	.....	65
6 " "	10 to 12 " "	3 " "	.....	75
6 " "	13 to 15 " "	3 to 4 " "	.....	1 00

Fern Flats These flats contain about two hundred plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price: \$2.00 per flat in any one of the following varieties: *Aspidium Tsussimedse*, *Cyrtomium Falcatum*, *Cyrtomium Fortunei*, *Polystichum Setosum*, *Pteris Adiantoides*, *Pteris Alba Lineata*, *Pteris Magnifica*, *Pteris Majus* or *Ouvardi*, *Pteris Wimsetti Multiceps*, *Pteris Wilsoni*.

Samples of the above, as well as a complete line of other Dreer Specials, will be shown at the Chicago Convention, and our staff of salesmen will be present to give full information regarding same.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

THE ABOVE PRICES INTENDED FOR THE TRADE ONLY.

Geraniums

Rooted cuttings of *S. A. Nutt.* and *Ricard* at \$10.00 per 1000; *Poitevine* at \$12.50 per 1000. These prices hold good only until Oct 1st.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington.....	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon.....	6 00	50 00
May Day.....	5 00	40 00
Sangamo.....	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

ROSES We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin. Variegated and Green. Vintas, Rooted Cuttings and 3-inch. Ferns, Bostons, Asp. Sprengeri, Plumosus, Maidenhair, Roosevelt, Whitmani and small ferns.

Special price on large plants of Whitmani and Bostons. Ask for same.
GEO. A. KUHLE, Pekin, Ill.

CARNATIONS

Field Grown Plants

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them **A1 Value**—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$6.00	\$55.00	Pink Enchantress	\$6.00	\$50.00
Bonfire	6.00	55.00	Victory	6.00	50.00
Princess Charming	6.00	50.00	Winsor	5.00	40.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE : - INDIANA.

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

Chicago.—Prices on the Board of Trade, August 14, for grass seed were noted as follows: Timothy, \$4 to \$5.50 per 100 pounds.

JACKSONVILLE, FLA.—C. H. Kennerly, one of the best known seed authorities in the state and author of books on agriculture in the south, has opened a wholesale and retail seed store here.

VISITED CHICAGO: David Burpee, W. Atlee Burpee, Jr., and Douglas Earl, of Philadelphia, Pa., returning home after a summer's work at Lompoc on the Burpee sweet pea ranch.

THE conference report on the agricultural appropriation bill August 7 was adopted by the Senate without opposition, the measure carrying \$16,650,000 for operation of the agricultural department. The report has not been acted on by the House.

MILWAUKEE, WIS.—What is said will be the largest seed warehouse in the country will be erected for S. G. Courteen. The building will be eight stories high, with ground dimensions of 150x300 feet, and constructed entirely of concrete. It will cost \$182,500.

BEANS in Michigan and Wisconsin are reported as fair to good. Under the law of averages the dry fall in prospect would be a welcome change from last season's wet harvest. The carryover of beans from last harvest are said to be keeping poorly with much loss in germination.

FAYETTEVILLE, ARK.—J. A. Shelton, who has been manager of the Southwestern Seed Co. since the firm began business about ten years ago, has sold his interest to his brother, Thomas Shelton, who succeeds him as manager. J. A. Shelton has not definitely decided whether he will establish a seed business in a new location, or enter some other line.

THE passage by the senate August 12 of the Bourne parcels post bill, which is thought by the catalogue seedsmen to be a serious blow at their mail order business, will be a great disappointment to the postal committee of the American Seed Trade Association. It is to be hoped that some of the unfair provisions of the bill will be changed in conference.

THE L. L. Olds Seed Co., Madison, Wis., sends the following report: July 13 was the end of our fiscal year, the fourth since locating in Madison. The total amount of business for the year was over \$350,000, an increase of more than \$110,000 over the total for 1911 or 45½ per cent. The stockholders held a meeting August 5 and re-elected the old board of directors.

THE early seed potato growers of the west have opened sales at much stiffer figures than looked for. A fair crop is in prospect.

THE wet weather has done the onion sets around Chicago no good and most likely considerable harm. Warm, moist weather in the next week will make serious trouble in starting growth.

SWEET PEA crop reports in the west continue favorable. It now looks as if there would be peas enough to go around anyway. Just what surpluses there will be is causing some of the large jobbers considerable worry.

R. L. TEMPLIN, of Cleveland, O., reports a great increase in the demand for penny packets for children's city gardens. Mr. Templin publishes a special catalogue telling how to stir up interest in the work, the making of plans, etc.

THE almost certain material advance on contract sweet pea prices in California is sure to result in some planting for seed in the new western garden pea districts. Former trials would indicate plenty of vine and blossom but not much seed. Perhaps better results might be secured on sweet peas in the so called dry land districts, especially under a favorable season like the present.

Vick Interests Consolidate.

Final steps in the consolidation of James Vick's Sons, the Vick Seed Co. and the Vick & Hill Co., all of Rochester, N. Y., were recently taken. This completes one of the most important movements of this character in the seed business in recent years. For the purpose of effecting the various transfers, the Vick & Dildine Co. was organized earlier in the year as a corporation under the laws of New York, with a capital stock of \$150,000. The officers of this company are: F. W. Vick, president; Dr. H. W. Allen, vice-president; Hon. H. F. Remington, secretary; W. H. Dildine, treasurer and general manager.

It is expected that each of the subsidiary concerns will continue practically the same as heretofore, but their union will mean the elimination of much expense and will strengthen every department. All of the men actively connected with the business as reorganized occupied responsible positions in one concern or the other for many years and are familiar with the various phases of the seed, plant and bulb business.

The officers of the subsidiary concerns are as follows: James Vick's Sons: Chas. H. Vick, president; Hon. H. F. Remington, secretary; W. H. Dildine, treasurer. Vick & Hill Co.: F. W. Vick, president; Albert F. Vick,

vice-president; W. H. Dildine, treasurer. Vick Seed Co.: Chas. H. Vick, president; Geo. Arnold, secretary; W. H. Dildine, treasurer.

Every florist, horticulturist, nurseryman, and most of the gardeners of any experience are acquainted personally or by reputation with Chas. H. Vick. He is familiarly known as "Charlie" from coast to coast. He is the only son of James Vick, the founder, now remaining in the business. He has been connected with the house all his life. Besides his connection with the business of the firm, Mr. Vick gives a good deal of thought to the success of other horticultural interests. To him more than to any other one person is due the credit for the splendid success of the Rochester flower shows. He was chairman of the general committee for the two previous shows and is acting in the same capacity for the coming show. This season he was urgently requested to accept the position as superintendent of the horticultural department of the New York state fair at Syracuse. He accepted and has thrown into this work his characteristic energy and enthusiasm, with the result that he has secured the support of the various park boards of Rochester, Buffalo, New York and other cities, and of several commercial horticultural interests. The display in 1912 promises to surpass anything seen heretofore in this department.

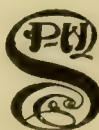
Fred W. Vick, nephew of James Vick, the founder, has long been prominent in seed and plant interests. For many years he was in charge of the entire plant and bulb department of James Vick. Later, as president of the Vick & Hill Co., he established an independent business, closely affiliated with the house of James Vick's Sons. For a number of consecutive years he was president of the Rochester Florists' Association. He has been president of the S. A. F. As head of the Vick & Hill Co., he will continue to have control of the plant and bulb interests of the affiliated concerns.

Albert F. Vick, the vice-president of the Vick & Hill Co., is a son of Fred W. Vick and has been connected with his father's business since he was a boy, which, by the way, was not very long ago. Probably most of the florists who attended the national convention at Rochester will remember him, since he was chairman of the sports committee at that time. He is captain of the bowling team of the Rochester Florists' Association and is a very popular young man. Albert is probably acquainted with more florists and seedsmen in the United States than any other person in Rochester with the exception of "Charlie" Vick.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

VICK QUALITY SEEDS PLANTS BULBS

ASK FOR WHOLESALE CATALOGUE.

JAMES VICK'S SONS
Seedsmen,
Rochester, N. Y.

BURPEE'S SWEET PEAS

We are now and have been for many years headquarters for all that is worth while in SWEET PEAS. The best obtainable in all types will be offered the coming season, and may be relied upon to

PRODUCE RESULTS

creditable and satisfactory alike to professional and amateur growers. The best seed and the most desirable varieties the world over, America, Europe and the Antipodes, will be quoted shortly in our

ADVANCE LIST

Send your name and address and secure a copy when issued next month. Our representatives have again covered the growing sections at home and abroad this season, and the valuable information thus obtained is always at the service of our patrons.

This advertisement was prepared in this office and has not been corrected by W. Atlee Burpee & Co., who advise us that they will not be prepared to quote prices on Sweet Peas (of which they have one hundred and fifty acres growing at Lompoc, California, alone, under the management of Mr. Edwin Lonsdale) until the seed is actually harvested and sacked—about the middle of September.

W. ATLEE BURPEE & CO., Philadelphia, Pa.

PANSIES

Large Seedlings, \$3.50 per 1000
Ready about September 1st—Order Now
FIRST COME, FIRST SERVED
EDW. DOEGE COMPANY
4344 N. Springfield Ave. CHICAGO, ILL.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - - Oklahoma

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Killeit Sts., Baltimore, Md.**ROUTZAHN SEED CO.**

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS**Godfrey Callas**2½-inch, strong.....\$4.00 per 100; \$35.00 per 1000
Cash with order from unknown correspondents.**PATTEN & CO.,**

Tewksbury, Mass.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

**Henry Fish Seed Co.
Bean Growers**

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY,
ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE,
and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES,
VERBENAS, ZINNIAS and LOBELIAS.

ADDRESS DIRECT

DAVY, - Arpajon (\$80), France**SEED PACKETS**

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.**BEANS, PEAS, RADISH**

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETSGROWERS FOR THE TRADE
Write for Prices.**Lily of the Valley from Cold Storage
Order Now**

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H.N. Bruns, 3032-3042 Madison St., Chicago**John Bodger & Sons Co.**

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed.....25c
1 oz.\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.**THE C. HERBERT COY SEED CO.**
VALLEY, Douglas County, Neb.Contract Growers of
High Grade SeedsCucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn**Contract Seed Grower**

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.**Bristol, Pa.****California CALLA Bulbs**Place your order in time to secure your wants
in this stock.Callas are still scarce and the quantity is limited.
Write for prices.

Write for prices on Dutch Bulbs.

M. M. CARROLL, Norwood (Cinti.), O.**Japanese Lilies**

Spec. Album, 9 in.-11 in.....per 100..\$13.00

" Rubrum, 9 in.-11 in.....per 100.. 9.00

" Melpomene, 9 in.-11 in.....per 100.. 9.50

Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street.

NEW YORK, N. Y.



PANSIES

Vaughan's "Giant Mixture."

Embraces, besides all the separate shades and colors, five special strains not listed elsewhere, and which can only be had in this and our International Mixture. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau and the splendid Cassier strain. Trade pkt., 25c; ½ oz., 60c; oz., \$4.00; ¼ lb., \$14.00.

Vaughan's "International Mixture."

THE WORLD'S BEST.

This is one of the specialties which has established and held the reputation of Vaughan's Flower Seeds, and this is one which we maintain most carefully, not alone as to quality, but in vitality and germination. You are beginning right in Pansy growing when you start with Vaughan's International Mixture. Trade pkt., 50c; ½ oz., \$1.50; ¼ oz., \$5.00; oz., \$10.00.

Vaughan's "Cut Flower Mixture."

Put up by ourselves and contains mostly light colored sorts. Our Chicago cut flower growers have realized big returns from flowers grown from this mixture. Pansies require less care and bring better returns than violets. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$2.00; oz., \$8.00.

Write for Complete Pansy Seed List.

Asparagus Plumosus Nanus

We Lead in Supplying Seed of This to All Florist Growers.

NORTHERN GREENHOUSE GROWN SEED—Per 100 seeds, 50c; 250 seeds, \$1.00; 1000 seeds, \$3.00. Write for prices on larger lots.

CHICAGO

31-33 W. Randolph St.

Vaughan's Seed Store

NEW YORK

25 Barclay St.

Greenhouses, Nurseries and Trial Grounds, Western Springs, Ill.

Cyclamen Seed Giant-Flowered Types.

Our Seed is Grown by Best Four Specialists

And selected for shape, size of leaves, flowers, stalks, general habit.

Giant English.

Prices—100 Seeds, \$1.00; 1000 Seeds, \$8.00 net.

Rosy Morn. Delicate rose color. Claret base.

Picturatum. Light rose, tinted with claret base.

Grandiflora alba. The largest giant white.

Excelsior. White with red base. Extra large flowers.

Princess May. Pale pink.

Mauve Queen. Mauve.

Duke of Connaught. Purplish crimson. Duke of Fife. Dark rose.

Salmon Queen. A very striking new color.

Giant German.

100 Seeds, 65c; 1000 Seeds, \$5.00.

Pure White (Mont Blanc).

White with Carmine Eye

Rosa Von Marienthal, "Daybreak Pink."

Dark Crimson

Dark Rose.

Extra Choice Mixed. Per 100 Seeds, 50c; 250 Seeds, \$1.15
1000 Seeds, \$4.50; 5,000 Seeds, \$20.00.

Glory of Wandsbek. New attractive salmon color. 100 seeds, \$1.35; 250 seeds, \$2.85; 1000 seeds, \$10.50.

Giant Orchid-Flowered.

Very large flowers that are frilled and fringed in wonderful fashion.

Price—100 Seeds, 85c; 1000 Seeds, \$7.00.

White with Carmine Eye. Red. Lilac. Pure White. Pink

Giant Orchid-Flowered Cyclamen in choicest mixture
100 seeds, 80c; 1000 seeds, \$6.50.

Sweet Peas Winter-Flowering

NEW SEED NOW READY.

	Oz.	¼ lb.	Lb.
Canary Bird, Early yellow.....	\$0 20	\$0 60	\$2 00
Christmas Countess { Sky blue.....	20	60	2 00
Mrs. C. H. Totty			
Christmas Meteor, Brilliant red.	25	70	2 25
Christmas Pink { Pink and white; best for winter	15	50	1 50
Earliest of All { months			
Christmas Prima Donna { Daybreak Pink.....	25	70	2 25
Mrs. F. J. Delanskey			
Christmas White { Pure white.....	15	50	1 50
Mont Blanc			
Florence Denzer			
Mrs. Alexander Wallace, Fine lavender.....	20	60	2 00
Mrs. W. W. Smalley { Salmon pink.....	20	60	2 00
Mrs. William Sim			
Snowbird			
Burpee's Earliest White { Black-Seeded White.	15	50	1 50
Wallace, True Lavender, good commercial			
variety.....	30	90	2 75
Winter-Flowering Sweet Peas Mixed.....	20	60	2 00

Asparagus Hatcheri

The New Rapid Growing Type of Plumosus.

Our trials at Western Springs justify us in endorsing this as a more rapid and heavier growing variety than Plumosus and with finer foliage

Our prices for the New Crop Seed if unsold are:

100 seeds.....	\$1 50	500 seeds.....	\$ 5 25
250 seeds.....	2 85	1000 seeds.....	10 00

TO PLANTSMEN: One of the sensations of the Chicago Convention is the new ASPARAGUS HATCHERI. Take home seeds or plants of it.



A Steadily Growing Business

Fall Bulbs

Our shipments of Roman Hyacinths, Freesias, Ornithogalums, Harrisii and Candidum Lilies are ready for delivery now. They come from the best growers in Bermuda and France. Our Hyacinths, Tulips and other Dutch Bulbs are imported direct from our regular Holland growers, whose stock we have used for years. The fact that we import more bulbs than all other seedsmen, florists and nurserymen in Rochester is proof that our bulbs give satisfaction. Our prices are very low this year considering the quality of the stock we sell. Send for our Wholesale Catalogue.

Due to
Public Approval
of

VICK

Quality Seeds
Plants and Bulbs

The Best
The Earth Produces

The demand for our Aster seed as well as other summer flowering annuals has grown so rapidly that we have a larger acreage than ever before. This year we have fifty acres of Asters alone which will be well worth coming a good many miles to see. Florists and others are always welcome visitors.

James Vick's Sons, Rochester, New York

Johnstown, Pa.

The visitor to the Johnstown of today will see no marks of the awful deluge that engulfed the town May 31, 1889, but far up the mountain there is mute evidence in the white stones that mark the graves of seven hundred and seventy-seven unknown dead, who perished in that disaster which snuffed out three thousand lives and as many homes. The city has been rebuilt and there are many evidences of prosperity, not the least being four good retail flower stores with a considerable glass area connected with three of them.

T. Malbranc has a very large store well equipped for business, in fact its glass frontage of 90 feet makes it a noteworthy store for any city. The interior is well fitted up for display, with a good workroom, office and storage rooms. He is building more houses at his new range, which will be devoted exclusively to cut flowers, while pot stock will be grown at the old ranges on Barron avenue.

Miss Margaret Schneider is exclusively a retailer, but she keeps a good stock at her store in the Cambria Theatre building and seems prosperous.

Wm. Schmidt and wife are in Europe for a three months' stay, they having left home June 18. They are visiting in Germany and Switzerland.

Herman Niessen has a good store and a noteworthy feature is the conservatory attached in which is a stock of fine palms.

Wm. Schrader's store is attractive and he has a considerable glass area several miles from the city.

PENSACOLA, FLA.—A. Hauge has acquired property in a suburb of this place and will erect greenhouses covering four acres. He will also open a flower shop.

Those Who Know "Always Sow"

MICHELL'S

"DISTINCTIVE" SEEDS

Everything for the Garden, Farm,
Lawn and Poultry Yard. . . .

Write or call to-day for our 196
page complete catalog. It's free.

518 MARKET STREET PHILA.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. **MILFORD, CONN.**
Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N.

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Clifondale, Mass., the great sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., ¼ lb. 50 cts., ½ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., ¼ lb. \$1.25, ½ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pipk. Oz. 35 cts., ¼ lb. \$1.00, ½ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., ¼ lb. \$1.00, ½ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., ¼ lb. \$1.50, ½ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., ¼ lb. 75 cts., ½ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

Pteris Wimsetti	Pteris Adiantoides
Pteris Wilson	Pteris Wimsetti Multiceps
or Nobilis	Pteris Serrulata Variegata
Pteris Mayli	Cristata
Pteris Hastata	Pteris Cretica Albo-lineata
Pteris Magnifica	Cyrtomium Falcatum
Pteris Serrulata	Aspidium Tsussimense

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

McHUTCHISON & CO.

17 Murray Street, NEW YORK.

Grafted White Killarney

3½ and 4-inch pots, choice young stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office
131 N. Wabash Av.
Chicago, Ill.

Greenhouses
Hinsdale,
Ill.

Field-Grown Carnations

Limestone land. No stem rot.

10,000 R. P. Enchantress, 7,000 Enchantress
3,000 Dorothy Gordon, 1,000 Victory,
\$6.00 per 100; \$55.00 per 1000.

2,000 White Wonder, 300 Gloriosa,
\$8.00 per 100; \$75.00 per 1000.
6,000 White Enchantress,
\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.
W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio

Asparagus Plumosus, 2½ inch pots,
\$3.00 per 100.

Asparagus Sprengerii, 2½ inch pots,
\$2.00 per 100.

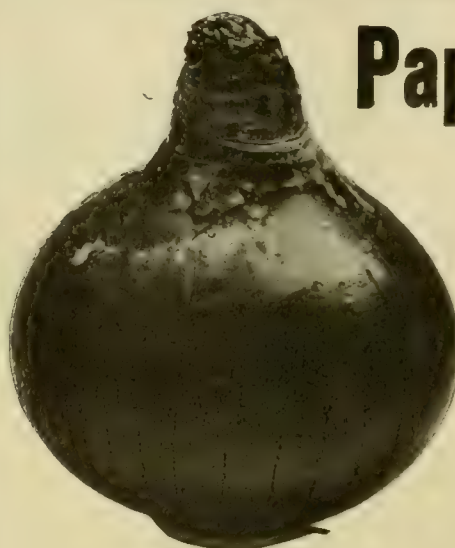
Stevias, tall and variegated, inch
pots, \$2.00 per 100.

Ferns, Scotii and Whitmani, 4 inch
pots, \$2.00 per dozen.

Clematis Paniculata, strong plants,
4½ inch pots, \$10.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

**Lilium Harrisii**

5-7-in. (400 bulbs to case).....\$35.00

6-7-in. (335 bulbs to case)..... 55.00

Paper Whites**GRANDIFLORA**

Per 1000

Fancy, (1250 bulbs to case).....\$ 8.50

Star Brand, (1000 bulbs to case)..... 11.00

Freesias

Per 1000

Purity Mammoth,
¾-in. and up\$25.00

Purity, extra size, ½-
¾-in..... 20.00

Purity, first size, ¾-
½-in..... 17.50

Vaughan's White Seed-
ling 15.00

In Cold Storage

Lilium Giganteum

7-9-in. (300 to case) per 1000...\$65.00

Valley Pips

London Market.....per 1000...\$15.00

Premium Brand.....per 1000... 13.00

VAUGHAN'S SEED STORE

CHICAGO.

NEW YORK.

**"The Kenilworth Strain"
of Giant PANSY Seed**

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

1912 SEEDS NOW READY

2000 seeds, 50c; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435

Pansies in Separate Colors.

1000 seeds

Giant Adonis, beautiful light blue.....25c
Giant Emperor William, ultramarine blue.....25c
Giant King of the Blacks, coal black.....25c
Giant Lord Beaconsfield, violet shading to white.....25c
Giant Golden Queen, yellow.....25c
Giant Golden Yellow, with dark center.....25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors.....25c
Giant White, very fine.....25c
Giant White, with large violet center.....25c
Giant Red, a fine mixture of red shades.....25c
Giant Royal Purple, fine large flower.....25c
Giant Orchid Flowering, rare shades.....25c
Giant Bronze and Copper Shades.....25c
Giant Light Blue, delicate shades of blue.....25c

Giant Dark Blue, deep blue shades.....25c
Giant Zebra Mixed Shades, striped.....25c
The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

PEACH SEED FOR SALE

Write for Prices and Sample.

Thomas R. Ha

1614 E. Oliver St.,

BALTIMORE, MD.

R. & M. GODINEAU

Angers - France

Specialties: Beets, Cabbages, Carrots, Celeries,
Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention

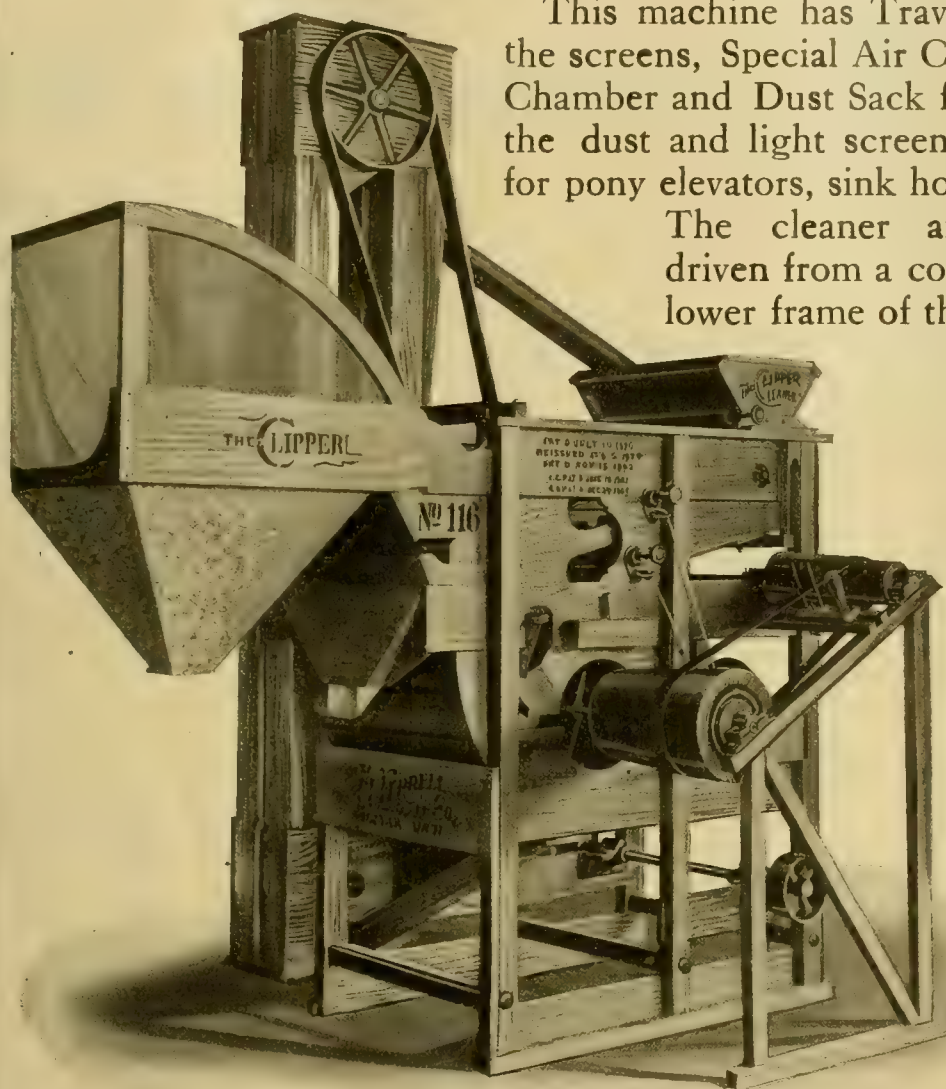
John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

No. 116 "Clipper" Cleaner



This machine has Traveling Brushes on the screens, Special Air Controller, Settling Chamber and Dust Sack for taking care of the dust and light screenings; two stands for pony elevators, sink hopper and bagger.

The cleaner and elevators are driven from a counter shaft on the lower frame of the cleaner.

All belting and pulleys furnished complete, as shown in cut.

The seed is dumped into the sink hopper connected to elevator boot and carried up to the feed hopper of the cleaner. The cleaned seed discharges from cleaner into the opposite elevator boot, is elevated and sacked. This is all done on one floor.

This Is a Complete Cleaning and Elevating Outfit

Self-contained, requiring no mill-wright work, dust spout, dust collector or dust room, and is giving universal satisfaction.

This Machine Has No Equal for Clover, Timothy, and All Garden and Flower Seeds

Write for circular, giving cuts and full description.

Also Picking Tables, Seed Polishers and Hand Cleaners for High Grade Work

A. T. FERRELL & CO., Saginaw, Michigan



Have You A

Will you write or wire

Braslan Seed

Growers for

SAN JO

PRIMROSES

	Per 1000	Per 100
Chinensis and Forbesi, 2 1/4 in. pots	.....	\$2 00
Obconica Grandiflora. Alba and Rosea	.....	2 00
Obconica Gigantea and Kermesina	\$25 00	3 00
Malacoides Giant Baby	18 00	2 00
Asparagus, Plumosus and Sprengeri, 2 1/4 in. pot.	.....	2 00
Pansy Seed, Giant Flowering, oz.	\$4.00	
Pansy Plants, October 1st	\$2.50 per 1000	50

CASH

Jos. H. Cunningham
Delaware, Ohio

SPECIALTIES.

Rosks, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISHKILL
New York

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin, N. J. Willemsstown Junc., N. J.

To Exchange

Choice Coniferous Evergreens for Palms, Ferns, Clematis Paniculata seedlings, Hybrid Tea Roses, Chrysanthemums. What have you?

The Greening Nursery Co., Monroe, Mich.

Toogood & Sons

The King's Seedsmen Southampton, Eng.
Can offer choice English stocks of all sorts of Vegetable and Flower Seeds. Special quotations and catalogues free on request.

MANN'S

Lily of the Valley

are the finest in existence and their flowers bring the best prices on the London market For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

LEST YOU FORGET

we wish to remind you that we can supply you with an extra fine strain of

Pansy Seed

Home-grown, \$5.00 per oz.

Cyclamen Seed

The celebrated English strain,
\$9.00 per 1000.

Poinsettias

2 1/2-inch, strong,
\$5.00 per 100, \$15.00 per 1000.

Bouvardias

2 1/2-inch, white and red, \$3 50 per 100.

Field-Grown Carnation Plants

	Per 100	1000		Per 100	1000
White Wonder	\$9.00	\$80.00	Beacon	\$7.00	\$60.00
Gloriosa	9.00	80.00	Winsor	6.00	50.00
White Perfection	7.00	60.00	May Day	6.00	60.00
White Enchantress	7.00	60.00	Dorothy Gordon	7.00	60.00
Washington	7.00	60.00	Enchantress	7.00	60.00
Mrs. C. W. Ward	7.00	60.00	Rose Pink Enchantress	7.00	60.00
Afterglow	7.00	60.00	Victory	7.00	60.00

S. S. SKIDELSKY & CO.

1215 Betz Bldg., PHILADELPHIA, PA.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs. 350 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Lilium Candidum.

Extra sized bulbs. \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs. 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs. 3/4-in. and up. \$12.00 per 1000
Extra sized bulbs. 1/2 to 3/4-in. 9.00 per 1000

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 ea.
Giatrixi, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.
Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each.
Magnifica, **Muscosa**, **Elegantissima Compacta**, 3 1/2-in. pots, 25c each.
Giatrixi, **Viridissima**, **Bostoniensis**, 3 1/2-in. pots, 15c each.
Small Ferns for Fern Fans, assorted varieties, 2 1/4-in., \$3.50 per hundred.

White Roman Hyacinths.

12-15 cm. bulbs...\$2.50 per 100; \$22.00 per 1000

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000
14 cm. bulbs.....10.50 per 1000

Phoenix Roebelenii.

The finest and most graceful of all palms. Hardest for summer decoration. Ironclad. Does splendidly out of doors. Fine specimens in new 12-in. tubs, \$5.00 each.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots. \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lily of the Valley.

Very finest quality obtainable. Packed in cases of 500 and 1000.

Cold Storage Lillium Giganteum.

7-9 in. bulbs: case lots of 300.

Asparagus Plumosus Manus, 2 1/4-in. pots, \$4.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Any Short Items?

is respecting any of your requirements?

Growers Company, Inc.

Wholesale Trade Only

SE, CALIFORNIA

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracena Ind. 3-in., \$5.00; 4-in., \$4.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitmani Compacta (new), to take the place of
Whitmani. A better commercial fern: 2½-in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume,
Golden Heart, Boston Market, Giant Pascal and
Winter Queen. No. 1 stock \$1.00 per 1000.
Cabbage, All Head and Danish Ball Head, \$1.00
per 1000; \$8.50 per 10000. Grand Rapids Lettuce,
\$1.00 per 1000.

Asters, Early and Late Branching, all colors
separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

ASTERS.

Simple's Branching, best strain in white,
pink and purple, fine plants from field,
\$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100.
\$14.00 per 1000. Primulas, Obconica and Chinese
strong 2½-in., \$2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.



THE GERBERA HYBRID (BARBERTON DAISY)

FIRST PRIZE awarded at the Royal International
Horticultural Exhibition, London, 1912

Great variety of beautiful colors. A most
charming table decoration. The cut flowers
keep fresh for about a fortnight and even
longer.

Now Is the Time to Book Your Orders for Seed

August crop, 50c packet
Large Quantities, Special Price

ROOTS of one-year-old plants travel well
and produce blooms in about one month.
50 for \$6.00

FREESIA HYBRID

Daintily colored with the most delicate
hues of pink, red, violet, blue, orange, etc.
100 bulbs.....\$9.00 50 bulbs.....\$5.00

FREESIA PURITA

The best white, 1000 bulbs.....\$12.00

For fuller particulars apply to

Etablissements Horticoles
du Littoral

CAP d'ANTIBES (Alpes-Maritimes) France

Own Root and Grafted ROSE PLANTS

1,200 Brides, 2¼ in. pots.

1,000 My Maryland, 2¼-in. pots.

2,000 Richmond, 2¼-in. pots.

1,700 White Killarney, 2¼-in. pots.

1,500 Perles, 2¼-in. pots.

The above OWN ROOT stock we offer for immediate delivery
at \$5.00 per 100.

RUSH YOUR ORDERS.

J. L. DILLON,

Bloomsburg, Pa.

Mention the American Florist when writing

Budding Knife Free. See Page 232.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Various Crops.

The grower who has trouble to dispose of heavy cuts of leaf lettuce in October, November and December should try something else to relieve the gluts. Among such crops are young beets, green onions, radishes and string beans. We have obtained fancy prices for all these immediately after hard freezing, prices that would pay very well as their culture is simple and no heat is needed, or very little. Besides these things have the soil in good condition for later crops of lettuce. For beets, Crosby's Egyptian is best. Planted in rows 12 inches by 3 inches in the rows, they do well and six to seven weeks should finish them. For a snap bean we like either Longfellow, Black Valentine or Extra Early Refugee. Green onions are easily produced from large sets or rather small onions planted thickly. Very often onion growers have stocks too large for sets and too small to sell in the market. These make capital green onions in a short time. Parsley is another good crop if started on time, say before Oct. 1. If one has not got the roots on the place, they can be bought from market gardeners. In radishes, Scarlet Globe is best. It requires four weeks in October, five in November and often six if to come in December. That is, a Christmas crop of radishes should be started about November 10. Head lettuce would be another line, but most growers find trouble in heading it in green houses, and unless well headed it is useless. Head lettuce requires a lower temperature than either Grand Rapids or any of the above crops; hence plan accordingly if inclined to try it.

THE MARKETMAN.

FAIRMONT, NEB.—A new packing and storage house owned by B. E. St. John was destroyed by fire July 27. The origin of the fire is a mystery.

SOUTHAMPTON, N. Y.—The annual flower show of the Southampton Horticultural Society, held here recently, was well attended and proved a complete success. Entries were made in five divisions and in all 135 first premiums were awarded.

Shallots

125 tons GIANT RED SHALLOTS for sale, English grown; splendid sample especially packed for export in cases, barrels or double sacks. Lowest prices.

BRINKWORTH & SONS

GROWERS

ESTABLISHED 1845

SOUTHAMPTON, ENGLAND

Novelties Roses, Shrubs Hardy Herbaceous Plants, Etc.

We take this opportunity to announce to the American Nursery Trade that we are large growers of Novelties in Roses.

We buy every year all the Novelties which appear anywhere in the world.

We propagate all the varieties of the sets during the first year they are in our possession; we study them and offer in our Wholesale Catalogue of Nursery Stocks and Roses those that we have noted are among the best.

We continue to propagate and study them as Novelties during three years, and afterwards transfer the very best into our General Collection.

Owing to the great attention that we devote to this culture and the importance of our General Collection of Roses, an inspection of our Nurseries in summer will be of much interest and profit to our American colleagues when on a trip in Europe.

Our Wholesale Catalogue of Roses and Nursery Stocks, Fruit Stocks, etc., which affords very deep interest as to Novelties in Shrubs, Hardy Herbaceous Plants, etc., will be sent on request.

JULES GOUCHAULT & TURBAT NURSERIES
E. TURBAT & CO., Successors
67-69 Route d'Olivet --- ORLEANS, FRANCE

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Mention the American Florist when writing



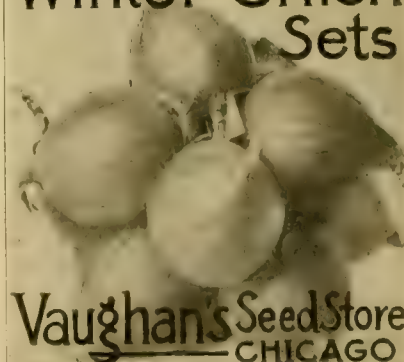
Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Winter Onion Sets



Vaughan's Seed Store
CHICAGO

FIELD GROWN CARNATIONS

Enchantress, Rose Pink, White Enchantress, White House, Lawson, Winsor and Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

Beacon and Mrs. C. W. Ward.

\$8.00 per 100; \$75.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

Brooklyn.

(\$12.00 per 100; \$100.00 per 1,000.

3,000 Pink Killarney

4 inches, \$50.00 per 1,000

1,000 Richmond

4 inches, \$50.00 per 1,000

CHAS. H. TOTTY, Madison, N.J.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Bay Trees and Boxwood.

BOXWOOD.

Standard.	Each	Pair
18-26 in. stem, 18 in. crown.....	\$3.00	\$5.00
Bush.	Each	Doz.
12 in.....	\$0.35	\$3.60
15 in.....	.40	4.50
		30.00

Ampelopsis Veitchii (Japan or Boston Ivy).

Each	Doz.	100
4-inch, pot grown.....	\$0.30	\$3.00
		\$20.00

VAUGHAN'S SEED STORE,
31 W. Randolph St., CHICAGO.

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Florists, Look! Take Notice!

Country Fairs Are Next on the Programme.

Are you prepared for them? Hit the bull's-eye. Be successful. Buy your Exhibition Plants from Godfrey Aschmann. You will surely meet with success in carrying off first prizes and certificates of merit. We make a specialty of raising plants for country fairs.

Florists and friends from the east going to and from the Convention, kindly stop over at North Philadelphia station and pay us a visit by inspecting our stock of plants.

Araucarias Our Specialty.



Araucaria Excelsa.

April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and Robusta Compacta, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition,

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00, 18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphaea Australis Palms, 5-in. pots, 20-in. high, 35c. Ficus Elastica, Belgium or American stock, 5-5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Shasta Daisies, best white large-flowering hardy daisy, 2½-in., \$5.00 per 100.

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$0.00 per 100. Primula Chinensis, John F. Rupp strain, assorted, 4-in., \$10.00 per 100.

Begonias Gloire de Lorraine and Lonsdale, pink, large 4-in., 30c to 35c; Glory of Cincinnati, 4-in., 40c to 45c.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.

Boston, 8-in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. Dish Ferns, now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Azalea Indica Amoena

15-18 inch, balled.....\$25.00 per 100.

Abelia Grandiflora

12-18 inch.....\$10.00 per 100

Citrus Trifoliata

2-year seedlings.....\$10.00 per 1000

Gardenia

18-24 inch.....\$20.00 per 100

English Ivy

2-year, field-grown.....\$8.00 per 100

Vinca Minor

2-year, field-grown.....\$30.00 per 1000

Write for special prices on

CALIFORNIA PRIVET, 2-3 ft., SPIREA VAN HOUTTE, 3-4 ft.

ROSECLIFF NURSERY, Knoxville, Tenn.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

OMAHA, NEB.—The F. W. Meneray Crescent Nursery Co., is in the hands of a receiver. Action brought to secure payment of \$50,000 in promissory notes was the cause. The receiver, C. W. McDonald, has been empowered to continue the business.

LOS ANGELES, CALIF.—The Jackson & Perkins Co., of Newark, N. J., has won its suit against a number of railroads in which it was alleged the charge for shipping nursery stock from California to New York in refrigerating cars was excessive. One icing only was necessary but the charge was \$70, the same rate as for freight requiring several icings. The Interstate Commerce Commission in its decision cuts the rate when but one icing is made to \$40.

Cornus Alternifolia.

The red-osier dogwood is much used in shrubberies and on lawns, but I do not know that the alternate-leaved dogwood has been cultivated, though I think it deserves introduction into our public parks and private grounds. Outside my window and giving pleasure all the year round stands a specimen brought in unwittingly as seed or seedling probably with some ostrich ferns, says a writer in the American Botanist for May. The snow lies heavy on its roots this March day, but the level branches spreading in tiers from the ground to the summit of what is now a small tree contrast most charmingly with the stiff syringa bushes near by. I think the Indian must have called this the look-up tree because the small twigs that bear the flowers and shining pointed leaves all rise from the upper surface of the slender boughs. It is the peculiar delicacy of its spray that makes this cornel a joy in winter, the abundant level-top clusters of creamy flowers a delight in June, while in late summer the berries—blue on white stalks—will vary the color scheme and attract birds of different species. Indeed the fruit seems to be very palatable to "our little brothers." The range of *Cornus alternifolia* is wide, extending from Canada to Georgia and from the Atlantic coast through the middle west.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

We wish to call your attention to the following: The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

JACs. SMITS & CO.

Naarden, Holland

Growers of

Azaleas,	Evergreens,	Pot-Grown Plants,
Blue Spruces	Funkias,	Raspberries,
Boxwoods,	Gooseberries,	Rhododendrons,
Clematis,	Herbaceous Plants,	Roses,
Climbing Plants,	Hydrangea P. G.,	Spiraeas,
Conifers,	Japan Maples,	Valleys,
Currants,	Lilacs for Forcing,	Weeping Trees,
Deciduous Shrubs,	Lilium,	Young Conifers,
Deciduous Trees,	Magnolias,	Young Evergreens.
Diclytras,	Peonies,	

Inspection Cordially Invited Correspondence Solicited

Catalogue and Private Code on Demand

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000.

Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Cineraria Hybrida, \$3.00 per 100; \$25.00 per 1000.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.

Araucaria Excelsa—Fine Stock. 3 tiers, 10 to 12 inches high, 45c.

3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 14 to 16 inches high, 75c.

Selaginella Emilliana, 2½ inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Fines.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA., PA.

Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Royal Rose Nurseries

Gratama Brothers & Co.

HOOGVEEN,
HOLLAND.

Roses for Export

Catalogue and Wholesale List Free.

WHOLESALE PRICE LIST FALL OF 1912

PEONIES

We have been growing Peonies more than fifty years, endeavoring always to obtain and grow the best varieties obtainable, using our best endeavor at all times to have everything true to name. The best time to plant Peonies is in the fall, from September 1st until frost interferes with the work. They start root growth as soon as set. Mulch with coarse manure as soon as ground freezes. Do not apply manure among the roots at planting. Home-grown Peonies are much more desirable than imported, because these may be procured and planted much earlier than imported plants can be obtained.

	Doz.	100.
Alexander Dumas , (Guerin) Brilliant pink with cream and salmon.....	\$1.50	\$10.00
Baroness Schroeder , (Kelway) One of the finest on earth, opens a refined waxy blush, turning to purest white. Each, \$2.25....	25.00	
Bertha , (Terry) Bright crimson, large, full double, one of most profuse bloomers in our collection and among the most showy..	2.00	12.00
Couronne d'Or , (Crown of Gold) Compact solid white with golden reflex, center touched with crimson.....	4.00	30.00
Delicatissima , Large pale lilac-rose, very fragrant	3.00	20.00
Dorchester , (Richardson) Delicate light pink, late, extra good.....	2.50	15.00
Duc de Wellington , (Calot) Blush guard with delicate yellow center fading to white, early	2.50	15.00
Edulis Superba (Lemon) Bright mauve pink mixed with lilac, very fragrant, one of the very earliest.....	1.50	10.00
Felix Crousse (Crousse) Rich brilliant ruby red, one of the best of the deep glowing reds	3.50	25.00
Festiva Maxima (Mieliez) The favorite white for more than fifty years. A large flower of purest white with crimson flakes, very fragrant	2.50	15.00
Floral Treasure , (Rosenfield) Pale lilac rose, very free, fragrant.....	2.50	15.00
Golden Harvest , (Rosenfield) Soft lilac, cream white center, very free, fragrant....	2.50	15.00
Grover Cleveland , (Terry) Very large, double, brilliant crimson, finely fringed....	4.00	

	Doz.	100.
Jenny Lind , (Kelway) Large light pink or blush with cream center, free bloomer, very sweet, excellent for market, 1000, \$180.00	\$3.00	\$20.00
Louis Van Houttel , (Calot) Vivid purplish cherry, very free.....	1.50	10.00
Livingstone , (Crousse) Very large, compact, perfect rose type, pale lilac rose, free bloomer	6.00	40.00
Mabel Clare , (Terry) Deepest crimson, large compact, one of the most free and showy..	2.50	15.00
Madame de Verneville , (Crousse) Very full bomb-shaped, pure white, center blush when first opened, delightfully fragrant....	4.00	30.00
Madame Calot , (Mieliez) Early, white shaded golden, fine form.....	3.00	20.00
Madame Crousse , (Calot) Medium-sized, globular, pure white, center flecked crimson, most fragrant.....	3.00	
Model of Perfection , (Crousse) Shell pink, marked bright rose, very large flower....	2.00	12.00
Mount Blanc , (Lemoine) White with cream center, early, free.....	2.00	12.00
Mons. Crousse , (Crousse) The American Beauty Peony. A grand red, choice market sort	2.50	15.00
Monsieur Dupont , (Calot) Large semi-rose type, white splashed crimson, fragrant, free bloomer.....	3.50	25.00
Princess Beatrice , (Kelway) Large compact, guard and crown light violet with collar cream white, fragrant, 1000, \$100.00.	2.00	12.00
Queen Victoria , (English) Flesh fading to pure white, early, very free. A grand favorite with florists, 1000, \$40.00.....	.75	5.00

The plants we offer are strong, thrifty roots, with 2 to 4 or more eyes

No charge for packing ♣ We guarantee all stock true to name

COMPLETE PRICE LIST ON APPLICATION

E. Y. TEAS & SON, Centerville, Ind.

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and *O. Marshallianum*.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

Rose Erna Teschendorf

THE SENSATIONAL NEW BABY RAMBLER.

A shade darker than the Crimson Baby we introduced; more free flowering; a wonderfully vigorous grower and an absolutely fast color in the hottest of suns.

	Each	Doz.	100
2 1/4-inch.....	\$0 20	\$2 00	\$15 00
2 1/2-inch.....	30	3 00	20 00
4-inch (ready Sept. 15th).....	35	3 50	25 00
2-yr. dormant budded (ready in Dec.).....	50	5 00	35 00

Asparagus Hatcherii

This New Decorative Plant we believe is sure to prove a good thing.

	Each	Doz.	100
2 1/4-inch.....strong, per 100. \$15 00.....	\$0 15	\$1 50	\$10 00
3-inch.....	20	2 00	15 00
4-inch.....	30	3 00	

PRIMULA MALACOIDES, the Improved Baby Primrose

2 1/4-inch pots.....Each 10c; Doz. 85c; 100. \$6 00
Be sure to pay us a visit while at the Convention and see our line of Decorative Stock, including *Araucarias*, *Asparagus Plumosus* and *Sprengeri*, *Crotons*, *Dracaenas*, *Boston Ferns*, *Kentias*, *Pandanus* and *Phoenix*. Our Boston Ferns and *Phoenix* are especially fine and are hard to beat in either quality or price.

Western Springs is 16 miles west of Chicago, a half hour's ride on the C., B. & Q. R. R.

CHICAGO **Vaughan's Seed Store,** NEW YORK
Greenhouses, Nursery and Trial Grounds at Western Springs, Ill.

Index to Advertisers.

Advance Co The. 258	264	Edwards Folding		Kroeschell Bros Co. 257		Pieters & Wheeler		Thomas & Smith... 276		Weiland & Risch... 227	
Alpha Floral Co. 233		Box... 232		Kruchten John... 202		Seed Co. 238		Thompson Car Co. 237		Welch Bros... 212	
American Importing		Eisele C. 244		Kuebler Wm. 231		Pittsburg Cut Flo Co. 238		Thompson Wm &		Wertheimer Bros... 11	
Co. 256		Elliot W H. 228		Kuehn C A. 202		Podesta & Baldocchi 235		Sons. 264		Western Seed &	
American Spawm Co 248		Emmans Geo M. 247		Kuhl Geo A. 237		Poehlmann Bros Co 194		Thorburn J M & Co 11		Irrigation Co. 240	
Amling E C Co. 227		Erie Floral Co. 247		Kyle & Foerster. 227		11 229		Toogood & Sons. 246		Wietor Bros. 222	
Anderson S A. 233		Erno & Klingel. 200		LaCrosse Floral Co. 236		235		Totty Chas H. 228		223	
Andorra Nurseries. 229		Esperance L Nurs. 250		Lager & Hurrell. 1		235		Traendly & Schenck. 231		262	
Angermueller G H. 229		Establishment		Lange A. 233		11 229		Trimble W E		Williams Mrs E G. 233	
Apphine Mfg Co. 217		Horticoles. 247		Landreth Seed Co. 240		235		Greenhouse Co. 227		Winterson R G. 233	
Arnold A & Co. 214		Eyres H G. 235		Landsen The Co. 225		235		Turbat E & Co. 248		Winandy M & Co. 269	
Aschmann Godfrey. 249		Forrell A T Co. 245		Lecakes N L & Co. 231		235		United Fertilizer. 24		Wittbold E F Co. 208	
Atlanta Floral Co. 235		Fish Henry Seed Co 240		Lederer John. 268		235		Valentine Frank. 243		Wittbold G Co. 213	
Auditorium Hotel. 234		Florists' Hall Assn. 256		Leedle Floral Co. 249		235		Vaughan A L & Co. 205		Wittbold Otto. 198	
Badger Jno & Co. 244		Florists Tel. Delv. 234		Leonard Seed Co. 240		235		Vaughan's Seed Store		Wood Bros. 246	
Badgley Reidel &		Foley Mfg Co. 245		Lockland Lumbr Co 275		235		I 241 244 248		Wolfskill Bros &	
Meyer, Inc. 231		Ford M C. 231		Lord & Burnham		235		249 251 274		Morris Goldenson 235	
Barrows HH & Son. 247		Fottler, Fiske,		Co. 270		235		Vestals. 236		Wrede H. 240	
Bassett & Washburn		Rawson Co. 11		McCallum Co. 228		235		Vick's Sons Jas. 238		Yokobama Nurs Co. 11	
201		233		McConnell Alex. 233		235		Vincent R Jr. 248		Young A L & Co. 231	
Bayesdorfer H. 209		Freeman Mrs J B. 233		McCoy L W. 236		235		Wagner Park Cons. 111		Young & Nugent. 233	
Beavers E A. 232		Freeman Orchids Co 217		McCullough's J M		235		Walker F A & Co. 236		Youngs. 236	
Berger Bros. 225		258		Sons Co. 229		235		Ward & Co R M. 11		Zeich & Mann. 210	
Berning H G. 229		Friedel E. 232		McHutchinson & Co 244		235		Weber F H. 224		236	
Berterman Bros Co. 234		Froment H E. 231		McKellar Chas W. 216		235		Weeber & Don. 240		236	
Bide & Sons S. 249		Frost Chas. 244		McKenna P & Son. 235		235					
Bobbink & Atkins. 243		Galvin Thos F. 235		McMoran Edw E &		235					
Boddington A T. 250		Garland G M. 218		Co. 262		235					
Bodger J & Sons Co. 240		Gasser J M Co. 235		Mangel. 233		235					
Boland J B Co. 233		Gibby Bros. 236		Mann Otto. 246		235					
Boligiano J & Sons. 240		Giblin & Co. 258		Martin Grate Co. 266		235					
Boston Flower Ex. 226		Gillett E G. 229		Mastin J G & Co. 275		235					
Bowe M A. 235		Godineau R & M. 244		Masur S. 233		235					
Boynton Furnace		Goodsell P H. 230		Matthews Florist. 235		235					
Co. 277		Good & Reese Co. 1		May & Co L L. 233		235					
Braslan Seed Grow		Goodrich B F & Co. 272		Meconi Paul. 231		235					
Co. 238		Gorham & Chapline		Metropolitan Mat'l		235					
Brecht Co The. IV		Grand Rapids		Co. 274		235					
Breitmeyer's J Sons. 234		Flower Co. 235		Mette Henry. 248		235					
Brinkworth & Sons. 248		Greening Nursery		Meyer John C & Co. 256		235					
Brown Bag Filling		Co. 246		Michell H F & Co. 242		235					
Machine Co. 240		Growers Cut Flower		Michigan Cut Flo		235					
Bruns H N. 236		Co. 231		Exchange. 232		235					
Buckbee H W. 230		Gude Bros. 234		Millang Chas. 231		235					
Budlong J A. 207		Gunter Bros. 231		Moninger J C Co		235					
Burnett Bros. 11		Habermann Chas. 236		4th Special Cover Page		235					
Burpee W A & Co. II		Hammond Benj. 273		Moore, Hentz &		235					
239		Hannan T R & Son. 244		Nash. 216		235					
Caldwell the Woods-		Hatcher, Florist. 236		Morehead Mfg Co. 263		235					
man Co. 232		Haven Seed Co The		Mt Gilead Pottery Co III		235					
Camp Conduit Co. 252		Heacock Jos Co. 215		Munk Floral Co. 228		235					
Carbone P L. 268		Hedstrom E L & Co. 260		Murray Samuel. 234		235					
Carroll M M. 240		Heidl John & Son. 233		Myers Florist. 236		235					
Chicago Carn Co. I		Henderson A & Co. 217		Nat Flo B of Trade. 252		235					
Chicago Flower		Herr Albert M. 237		New Southern Hotel		235					
Growers Assn. 204		Herrmann A. 258		N Y Cut Flower Ex. 204		235					
Chicago House		Hess & Swoboda. 236		Niessen Leo Co. 204		235					
Wrecking Co. 266		Hews A H & Co. III		Oechslein Frank. 216		235					
Childs Jno Lewis. 210		Hilfinger Bros. III		Oklahoma Seed Gro		235					
Clark E B Seed Co. 242		Hines E Lumber Co. 262		Co. 240		235					
Clark's Sons David. 235		Hitchings & Co. 270		Paethorpe P R. III		235					
Clay & Son. 271		Hoffman Flo Artist. 236		Palmer W J & Son. 234		235					
Cleveland Cut		Hoffmeister Flo Co. 228		Park Floral Co. 234		235					
Flower Co. 235		Holm & Olson. 234		Patten & Co. 240		235					
Conard & Jones. 249		Holton & Hunkel Co. 229		P-boddy Coal Co. 260		235					
Cooke Geo H. 233		Home Cor School. 244		Peacock Dahlia Fms 246		235					
Cotsonas Geo & Co. 232		Hooker H M Co. 258		Pedrick Geo & Son. 242		235					
Cowee W J. 252		Hunt E H. 227		Pennock-Meehan Co. 231		235					
Coy H C Seed Co. 240		Hurff Edgar F. 240		Penn the Florist. 234		235					
Craig Robt Co. 211		Hrudka L Pottery		Peters & Reed Poty III		235					
Critchell C E. 212		Co. 268		Pierce F O Co. 258		235					
Crump Frank F. 234		Igoe Bros. 252		Pierson A N (Inc). 240		235					
Cunningham Jos H. 235		Illinois Pipe Mfg Co. 274		Pierson F R Co. 256		235					
Daniels & Fisher. 235		International Heater		Pierson U Bar Co. 266		235					
Dards Chas. 234		Co. 274		Pillsbury I L. 252		235					
Davy. 240		Interstate Tob Co. 264									
Deamud J B Co. 199		Isbell S M & Co. 240									
DesPlaines Flor Co. 237		Jackson & Perkins. 251									
Detroit Flower Pot		Johnson J Oliver. 240									
Mfg. 273		Johnson WW & Son II									
Dietsch A & Co. IV		Jones Percy. 220									
268		Kasting W F Co. 228									
Diller Caskey &		Keller Geo & Sons. 270									
Keen. 260		Keller JB & Sons III									
Dillon J L. 247		Kellogg Geo M. 233									
Dingee & Conard Co. 247		Kennicott Bros. 226									
Dooge Edw Co. 240		Kervan Co The. 231									
Dorner F & Sons. 237		Kessler W A. 231									
Dreer H A. 237		Kift Robt. 235									
Duerr Chas A. 236		King Construction. 274									
Dunlop John H. 235		Kohr A F. III									
Dwelle-Kaiser Co		272									
The. 268		Kramer I N & Son. III									
Eagle Machine Wks 274											

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.EVANS' Improved
Challenge
Ventilating
ApparatusWrite for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind

THE January Number of our Credit and Information List is by far the best we have issued. It contains about 2,000 names and ratings, being about twice as large as was our October number. Subscribe now and get the greatest good from your money.

56 Pine St.
The National Florists' Board of Trade, NEW YORK

Model
Extension
Carnation
Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE
ROSE STAKES.

Write for prices before ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS.,
286 North 9th St.,
BROOKLYN, N. Y.

The Regan Printing House
LARGE RUNS OF
CATALOGUES

OUR SPECIALTY
WRITE FOR FIGURES.
527 Plymouth Place, CHICAGO

Wired
Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by
W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers

BURNED CLAY

Tile Benches and Tile Bottoms
Gives results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottom and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

THE CAMP CONDUIT CO.
Garfield Bldg., Cleveland, O.



SPLIT CARNATIONS

Quickly, easily and
cheaply Mended.
No tools required.

Pillsbury Carnation Staple
Patented 1908.
2000 for \$1.00 postpaid,
I. L. PILLSBURY,
Galesburg, Ill.



BEFORE



AFTER

422 Main St., Springfield, Mass.

Flower Colors

Use our COLOR CHART in describing them
PRICE, \$1.00 POSTPAID.

American Florist Co.,
440 S. Dearborn St., CHICAGO

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

5,000 Ampelopsis Veltchil, 1-year, fine, price later. 4,000 Ampelopsis Englemanni, the hardy rapid growing, tightly clinging variety, 1-year, strong. E. Y. Teas & Son, Centerville, Ind.

Ampelopsis Veltchil, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus plumosus nanus, from 2 1/4-in. pots, \$2.50 per 100; \$22.50 per 1,000; 3-in., \$5 per 100; \$45.50 per 1,000. Cash with order, please. Floral Hill Gardens, G. F. Neipp, Prop., Chatham, N. J.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. 2-in. Smilax, \$2 per 100; \$15 per 1,000. GEORGE REINBERG, 162 N. Wabash Ave., Chicago, Ill.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus Hatcheril, 2 1/4 in., 15c each; \$1.50 per doz.; \$10 per 100; 3 in., 20c each; \$2 per doz.; \$15 per 100; 4 in., 30c each; \$3 per doz. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2 1/4-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c.; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2 1/4 in., heavy, \$3 per 100. Also moss fern (Selaginella), 2 1/2 in., extra fine and bushy, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Springer, 2 1/4 in., \$3 per 100. Plumosus, 2 1/4 in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus for planting out, 3-in., \$6 per 100; \$55 per 1,000. Frank Oechslein, 4911 Quincy St., Chicago.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$8 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2 1/4-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus and Sprenger, 2 1/4-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2 1/4-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, Multiflorums, giganteums, J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisil. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Freesia Hybrid, 100 bulbs, \$9; 50 bulbs, \$5. Purity, 1,000 bulbs, \$12. Etablissements Horticoles, Du Littoral, Cap D'Antibes (Alpes-Maritimes), France.

Bulbs, Gladioli, American, Baron, Hulot, Princess, Augusta, Brencleyensis, May, Mrs. King, Shakespeare, etc. John Lewis Childs, Flowerfield, L. I.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cinti.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2 1/4 and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$5 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Pink Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

Carnations out of sandy field, short bushy plants in best condition.

	Per 1,000
Pink Enchantress	\$45.00
White Perfection, Winsor	40.00
Victory, medium size plants	35.00

100 at 1,000 rate.
Plants grown in sandy field; have strong roots; ship better and stand replanting without check. Write for prices on large lots. Samples on request. Cash or reference. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

CARNATION PLANTS—25,000 fine, clean, healthy field-grown stock, of the following varieties: White Perfection, Taft, Victory, Pink and White Lawson, Pink Enchantress, and Winsor, now ready for shipment at \$6 per 100 or \$50 per 1,000. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Field-grown carnation plants, 200 Enchantress, 200 R. P. Enchantress, 200 White Enchantress, 6c. 200 Sangamo, 100 Victory, 4c. Plants are first-class, ready for shipment Aug. 1. E. R. Griggs, Florist, A. & M. College, Stillwater, Okla.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 3,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, extra fine, healthy and bushy plants from field. 500 Enchantress, 600 White Winsor, 550 Winsor, 200 Winona, 750 W. Perfection, 600 Lawson, 240 Sangamo, \$6 per 100; \$50 per 1,000, cash. John Nelson Co., Oshkosh, Wis.

Carnations, Mrs. C. W. Ward, White Perfection, Winsor, R. P. Enchantress, White Enchantress, Queen, Enchantress, Alma Ward, Beacon, Dorothy Gordon, Bountiful, Victory, Winona. The Leo Niessen Co., 12th and Race Sts., Philadelphia.

Carnations, Washington and Bonfire, \$6 per 100; \$55 per 1,000. Princess Charming, Pink Enchantress, Victory, \$6 per 100; \$50 per 1,000. Lawson, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82-86 E. Randolph St., Chicago.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, Gloriosa, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Carnations, F. Dorner & Sons Co., La Fayette, Ind.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$6 per 100; \$50 per 1,000. Otto J. Hembreker, Lincoln, Ill.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations. Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Field-grown carnation plants, 425 Enchantress, 185 White Enchantress, 555 Sangamo, 50 Lady Bountiful. Good healthy plants at \$5 per 100. Cash, please. Edgar Easterday, Nakomis, Ill.

Field-grown Carnations NOW READY. W. Perfection, Scarlet Glow, Beacon, Victory, Mrs. C. W. Ward, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Harry Heint, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Very choice field-grown carnations, Enchantress, white Perfection, Georgia white, \$5.50 per 100; \$50 per 1,000. Cash. Brant & Nee Floral Co., 5744 Brantwood Ave., Chicago.

Carnations. For prices and varieties see advertisement elsewhere in this issue. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. For varieties and prices see advertisement elsewhere in this issue. Chas. H. Totty, Madison, N. J.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Act. Frost, C. Touset, White Cloud, Kalb Queen, Mlle. Des Jonis, Florence Pullman, Yellow: Halliday, Col. Appleton, Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

CINERARIAS.

Cineraria Hyb., \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

DAHLIAS.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Fern flats, Aspidium, tsussimense, Cytomium falcatum, C. Fortunei, Polystichum setosum, Pteris adiantoides, P. alba lineata, P. magnifica, P. majus or Ouvardi, P. Wimsettii multiceps, P. Wilsoni, flats contain about 200 plants each, one variety in a flat, \$2 per flat. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Adiantum Croceanum, fine plants, \$10 per 100. Erie Floral Co., Erie, Pa.

Bostons, 2½-in., \$5 per 100; \$50 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FIGUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, Nutt. Buchner, Viand, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poitevine, Nutt. Ricard, Doyle, Viand, La Favorite, Rose, Ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, unrooted top cuttings, S. H. Nutt 75c per 100; \$6.50 per 1,000. Otto J. Hembricker, Lincoln, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt. Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Moss and peat. For prices see advertisement elsewhere in this issue. Sterling Moss and Peat Co., Barnegat, New Jersey.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

German Iris, Sans Souci, \$1.50 per 100; \$10 per 1,000. Alta Vista Nursery, Davenport, Iowa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaka, 3-in., 2 to 4 shoots, \$8 per \$100; \$75 per 1,000. Erie Floral Co., Erie, Pa.

LILY OF THE VALLEY.

To Import

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhanau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Arbor-Vitae, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., \$50 each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, Azalea indica amoena, Abella grandiflora, Citrus trifoliata, Gardenias, English Ivy, Vinca minor. Rosecliff Nursery, Knoxville, Tenn.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach seed for sale. Thos. R. Haman, Baltimore, Md.

Nursery stock of all kinds. Jaes. Smits & Co., Naarden, Holland.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandcross Lane, Reigate, England.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cycas stems. Yokohama Nursery Co., 31 Barclay St., New York.

Palms, Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansies. If the same exacting conditions and restrictions are followed, pansy seed is not produced anywhere in the world at a price less than from two to four times what we get for MASTODON PANSY SEED, grown in our gardens. Get color plate catalogue. New Crop now ready, 1-12 oz., \$1; ¼ oz., \$2.50; ½ oz., \$4.75; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansies, large seedlings, \$3.50 per 1,000. Edw. Dooge Co., 4344 N. Springfield Ave., Chicago.

PEONIES.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. For varieties and prices see advertisement elsewhere in this issue. E. Y. Teas & Son, Centerville, Ind.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, well established 2½-in. none better, \$5 per 100; \$40 per 1,000. Cash, W. Stertzling, 7280 Manchester Ave., St. Louis, Mo.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

POINSETTIAS OUR SPECIALTY.

Headquarters of the West.

2½-in., strong plants.....\$5.00
 2½-in., extra strong plants..... 6.00 50.00
 We Practice Particular Packing.
 ROBER & RADKE,

Maywood, Illinois.

POINSETTIAS, rooted top cuttings, true type, 2½-in. pots, for July, August and September delivery at \$6 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., shipped in paper pots, \$6 per 100; \$50 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Poinsettias, 2½-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Poinsettias, 2½-in., now ready, \$5 per 100. Cash, please. Harry Heini, West Toledo, O.

PRIMULAS.

Primroses, Chinese and Forbesii, 2½-in., \$2 per 100. Obconica grandis, alba and rosea, \$2. Obconica Gig. and Kermesina, \$3. Malacoides giant baby, \$2. Jos. H. Cunningham, Delaware, O.

Primulas, sinensis, \$3 per 100; \$25 per 1,000. Obconica gigantea (Arendsii), \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Storrs & Harrison Co., Painesville, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula malacoides, 2½-in., 10c each; 85c per doz.; \$6 per 100. Vaughan's Seed Store, Chicago and New York.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Primulas, obconica and Chinese, 2½-in., \$2.50 per 100. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.

American Beauty, 2½-in., \$4.50
 Jardine, 2½-in., 3.00
 Ready Now. Order Early.
 WIETOR BROS.,

162 N. Washburn Ave., Chicago.

Rose Erna Teschenhoff, 2½ in., 20c each; \$2 per doz.; \$15 per 100; 3½ in., 30c each; \$3 per doz.; \$20 per 100; 4 in., 35c each; \$3.50 per doz.; \$25 per 100; 2-yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, strong, clean stock. Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3½-in. pots, at \$6 per 100. Pink and White Killarney, grafter, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

ROSES. Own root. White Killarney, Richmond, Perle, Bride and Bridesmaid, 2½-in. pots, \$5 per 100. 2,000 GRAFTED RICHMOND, in 3-in. pots, at \$17 per 100. J. L. DILLON, Bloomsburg, Pa.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Washburn Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 My Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses, own root and grafted. For varieties and prices see advertisement elsewhere in this issue. J. L. Dillon, Bloomsburg, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2½-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin, Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Roses. Gratama Bros. & Co., Hoogeveen, Holland.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest Pink	Pkts.	Pkts.
" Gracillius luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, gloxinias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus Hatcheri, 100 seeds, \$1.50; 250 seeds, \$2.85; 500 seeds, \$5.25; 1,000 seeds, \$10. Vaughan's Seed Store, Chicago and New York.

Seeds, Pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per ¼ oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

The Gerbera hybrid (Barborton daisy), 50c per pkt. Roots from old plants, 50 for \$6. Etablissements Horticoles Du Littoral, Cap. D'Antibes (Alpes-Maritimes), France.

Seeds, Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, 'the Kenilworth' strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beets, cabbages, carrots, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

125 tons of Giant Red Shallots. Brinkworth & Sons, Southampton, England.

Seeds, Henry F. Michell Co., 518 Market St., Philadelphia.

Seeds, vegetable and flowers of all sorts. Too-good & Sons, Southampton, England.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Onion Sets. Egyptian tree or winter. Vaughan's Seed Store, Chicago and New York.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenter, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Branlan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop. Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

To exchange, coniferous evergreens for palms, ferns, clematis paniculata seedlings, hybrid tea roses, chrysanthemums. The Greening Nursery Co., Monroe, Mich.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers. Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hot-bed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Superior Carnation Staples. Mead your split carnations. Finest articles for carnation growers introduced so far. 50c per 1,000, postage paid. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., 1/2 lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

Clay's fertilizer. Clay & Son, Stratford, London, England.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for catalogue. Large breeding fish, American and Japanese. Auburndale Goldfish Co., 920 W. Randolph St. Telephone, Haymarket 152, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse Construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Pots, exceptionally fine white pots. L. Hrudka Pottery, 2619 Herndon St., Chicago.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Taylor Syphon Circulator. Taylor Steam Specialty Co., 36-38 Jackson St., Battle Creek, Mich.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

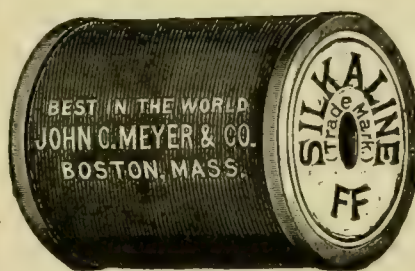
Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Rubber hose of quality. The B. F. Goodrich Co., Akron, O.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.

THE LOWELL THREAD MILLS.

Lansden Auto Trucks, prices range, \$1,900 to \$5,000. The Lansden Company, factory and main office, Newark, N. J. Western branch, 1000 Michigan Ave., Chicago.

Coal. Peabody Coal Company, McCormick Bldg., Chicago.

Glass, greenhouse and hotbeds. Sharpe, Part-ridge & Co., 2269 Lumber St., Chicago.

"Martin, the grate with enthusiastic users." The Martin Grate Co., 347 Dearborn St., Chicago.

China, glass, baskets, pottery. Carbone, Boston, Chelsea, Mass.

Revere Garden Hose. Revere Rubber Co., Chelsea, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Purity Coal. Purity Coal Co., main office, 9 So. La Salle St., Chicago, Frank J. Browning, Secy. and Treas.

Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Peerless powder blower. Edw. E. McMorran & Co., 162 N. Clinton St., Chicago.

Clipper Cleaner. A. T. Ferrell & Co., Saginaw, Mich.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Flower boxes. The Sefton Mfg. Co., 1335 W. 35th St., Chicago.

Superior wire work. E. G. Gillett, 131 E. Third Ave., Cincinnati, O.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and PICTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.

Ameling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Hoidel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Elliott, W. H., Brighton, Mass.

Ford, M. C., New York.

Froment, H. E., New York.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary

SADDLE RIVER, N. J.

Mention the American Florist when writing

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad
to make our fall purchases.

?? Will You Place

Import Orders ??

On first quality **Cycas Leaves**, Genuine Imported **Waterproof Crepe Paper** (trade mark Westfalia), **Gold Leaf Script Letters and Words**; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on
Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: :: ILL.

Mention the American Florist when writing

Greater N. Y. Florists' Ass'n., New York.

Growers' Cut Flower Co., New York.

Gunther Bros., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuebler, Wm. H., Brooklyn, N. Y.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Leakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconl, Paul, New York.

Millang, Chas., New York.

Moltz & Co., New York.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Poehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, P. J., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Totty, Chas. H., Madison, N. J.

Treandly & Schenck, New York.

Welland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wietor Bros., Chicago.

Winterson Co., Ed., Chicago.

THE KROESCHELL GREENHOUSE BOILER

Here is the boiler that is making the most wonderful greenhouse heating record in the world. Florists and gardeners who have used other makes are constantly giving the Kroeschell Greenhouse Boiler the highest praise.

10,788,000 square feet of glass was equipped with the Kroeschell Boiler during the past five years. You will find the new 1910 model Kroeschell Hot Water Boiler in every state in the Union and Canada.

Our Eastern business has been exceedingly heavy the past season.

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), or

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits.)

Kroeschell vs. Cast Iron Boilers

Over 1500 Cast Iron Boilers were replaced by the Kroeschell Greenhouse Boiler during the past six years. It is a common occurrence for a Kroeschell to replace two to four cast iron boilers at a single place; this is the **CENTRAL HEATING SYSTEM PLAN**, and has saved many florists hundreds of dollars per season in fuel alone, besides a big saving in labor.

OUR HEATING ENGINEER has probably had more practical experience in this line than any other greenhouse man, and we place his experience at your service.



Loading No. 18 Kroeschell Boiler. Capacity, 106,000 Sq. Ft. of Glass. See American Florist, July 27, Page 10.

Do You Want True Heating Values?

Many florists, to their sorrow, have made the mistake of buying cast iron boilers, which, because of their ratings, appeared to be cheaper than the Kroeschell boiler.

The extravagant ratings of cast iron boilers are misleading and during the past cold winter have been the cause of much disappointment and serious trouble to many growers. The fuel waste is enormous when cast iron boilers are used for commercial purposes, such as greenhouses, heating, etc., etc.

Do not make a mistake when selecting your new boiler; get a Kroeschell boiler and you will never be disappointed.

It's the cheapest and best in the end.

The KROESCHELL BOILER

Has the Highest Standard of

Heating Values

Immense Self-cleaning Heating Surface
Longest Fire Travel—Perfect Combustion—Free Circulation—Thin Waterways—Safety—Durability
Economy—Kroeschell Boiler Ratings are Guaranteed

The Kroeschell boiler will develop more heat per pound of coal consumed than any other boiler on the market, and we do prove it.

Read what our customers say about our boilers and be convinced. What we do for them we can do for you. Take our advice on boilers and you will make no mistake.

Read What the Users Say About KROESCHELL BOILERS**Kroeschell Better Than Cast Iron**

"I bought a No. 6 Boiler in 1903. It has now 10,000 sq. ft. of glass, and we could add 3,300 more. This is ahead of five or six cast iron boilers which I have used. I saved \$50 per season on the coal bill."

M. C. WARD, Quincy, Mass.

Kroeschell vs. Cast Iron

"I have one of your new 1910 model Kroeschell Boilers, and same has proven very satisfactory. We have no trouble to keep temperatures in the coldest weather. We fire once or twice during the day, and once at night, and have had the best satisfaction I have ever experienced in a

boiler. Formerly I had two cast iron boilers; one cracked and I took both of these boilers out. My coal bill with the cast iron boilers ran from \$195 to \$207 per season during the past seven years. This year, with your boiler and soft coal, my coal bill was only \$103, and I still have some coal left. Your boiler is the best and cheapest on the market, not alone for the price, but also in fuel saving. I am very glad that you are so well known in Buffalo, N. Y. I have never heard anything but praise, in which I join heartily. Wishing you every success, I remain,

MAX BUEHLER, Forks, N. Y."

Cost of Heating One-Half Less Than With Cast Iron Boilers

"I bought a No. 3 Boiler in 1901. We had a corrugated cast iron fire box boiler and a sectional cast iron boiler before we bought yours in 1901. The cost of the heating with your boiler is one-half less than it was with my cast iron boilers. Your No. 8 Boiler, which we bought recently of you, is not being run to its capacity."

WM. GEENEN, Kimberly, Wis.

Has enlarged place and installed another No. 6 Kroeschell.

KROESCHELL BROS. CO.,

452 West Erie Street, Chicago



Freeman High Pressure Tubular Boilers Are the Acme of Construction

When you get a Freeman Boiler, you can depend on it being absolutely correct in design and workmanship.

Send for Catalogue No. 40

THE S. FREEMAN & SONS MFG. CO., Racine, Wis.
 Inspect our Boilers, when you visit Poehlmann Bros. Co.'s Establishment, at Morton Grove, Ill.



MASTICA
 FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
 12 W. BROADWAY
 NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**
 Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
 Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
 Monroe 4994.

651-659 West Washington Boulevard, Chicago
 Near Des Plaines St.,



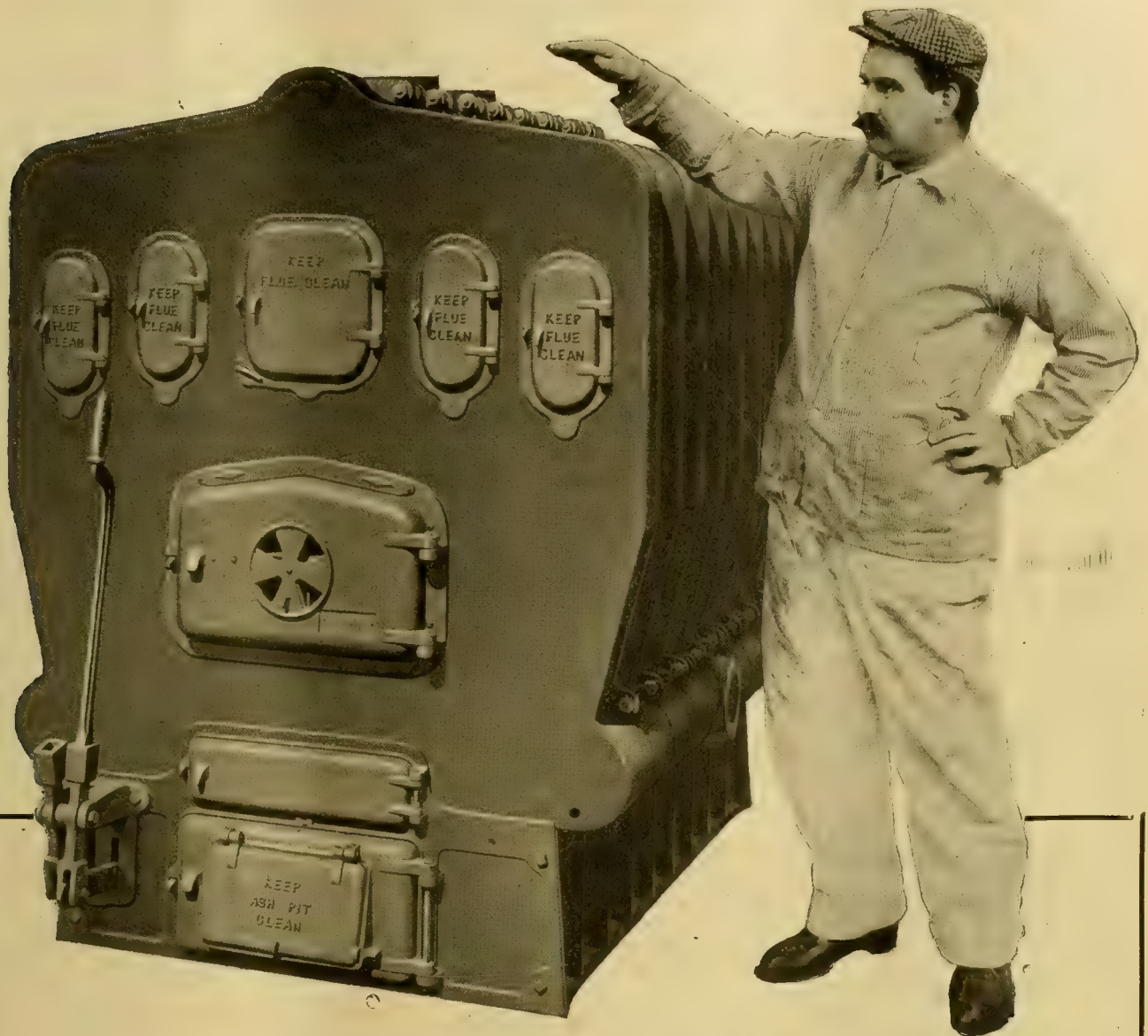
PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA



**Our Steam Burnham Number 36 is Just
6 Inches Higher Than the Water Boiler.
That 6 Inches Makes the Big Steam Dome
That Helps so in Getting Dry Hot Steam.**

Dry steam is the economical steam. Economical, because it's hottest. Hottest because it's free from water. The wetter the steam, the less it heats, and the slower it circulates. Positively the only way to secure dry steam and prevent water from going over into the pipes, is to have a large expanding space, or dome, at the top of the boiler.

We have just been comparing the size of domes on the various cast iron boilers being sold for greenhouse heating, and find that The Burnham has the largest dome of any of them. Boiler makers skip their steam domes to cut down manufacturing cost. It does it all right, but the buyers pay for it dearly in the additional coal they must burn.

You may pay a little more for Burnham Steam boilers, but you certainly get more for what you pay and secure a boiler that has a greenhouse economy record that no other cast iron boiler **can prove to have.**

Other makers claim theirs to be "just as good as the Burnham" but none have the assurance to come right out and claim them to be better. This means that Burnham's must be the better boilers—the standard. Otherwise it would not be used as a comparison, standard for other boilers. Did you ever stop to think of that before?

Can ship either steam or water Burnham's at once. If in hurry, wire at our expense.

Lord & Burnham Company

SALES OFFICES: NEW YORK St. James Bldg. BOSTON Tremont Bldg. PHILADELPHIA Franklin Bank Bldg. CHICAGO Rookery Bldg.

FACTORIES: IRVINGTON, N. Y. DES PLAINES, ILL.

McCormick Bldg.

Peabody Coal Company

Tel. Wabash 2345

Producers of Bituminous Coal—Our annual production, six million tons—Dependable quality, service and preparation. We sell, but do not mine: Free Burning Anthracite, Pocahontas, New River, Jerome Smokeless Lump. We also job all Indiana, Illinois, Ohio and West Virginia Coal.

ILLINOIS MINES

Railroad Connections

Peabody—Marion, Marion, Williamson County...C&E; MP; CB&Q; IC
 Peabody—Shelbark, Cartersville, Williamson County...C&E; MP; CB&Q; IC
 Peabody—Sherman, Sherman, Sangamon County...C&A
 Peabody—Pawnee, Pawnee, Sangamon Co....C&A; IC; Wab; B&OSW
 Peabody—Kincaid, Kincaid, Christian County...C&A; IC; Wab; B&OSW
 Peabody—Midland, Humphreys, Christian Co.C&A; IC; Wab; B & O S

INDIANA MINES

Railroad Connections

Peabody—Nokomis, Nokomis, Montgomery Co.C&A; IC; Wab; B&OSW
 *Peabody—Witt, Witt, Montgomery Co....C&E; Big Four
 *Peabody—Paisley, Paisley, Montgomery Co....C&E; Big Four
 *Peabody—Kortkamp, Hillsboro, Montgomery Co....C&E; Big Four
 Peabody—Reliance, Shelby, Sullivan Co....E&TH; C&E;I

OHIO-HOCKING MINE

Peabody—Greeley, Shawnee, Ohio.....B&O
 *Formerly Burnwell Coal Co.; *Formerly Kortkamp Coal Co.

We solicit orders from florists, coal dealers, country and city, railroads and steam plants. The names of the mines have the prefix "PEABODY" to protect our company from substitutes shipped from mines where quality and preparation are not equal to ours. The name is a guarantee of quality, service and preparation.

Telephone Central 14.

Established 1857.

E. L. Hedstrom & Co.

Marquette Bldg., CHICAGO

MINERS AND SHIPPERS

Bituminous Coal

Kelly Smokeless R. O. M. Coal

THE IDEAL FUEL FOR FLORISTS

Price: \$3.15 per ton, F. O. B. Chicago.

WE WANT YOUR BUSINESS. Phone or write us for test cars.

E. L. HEDSTROM & CO.

GEO. O. MORRISON.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

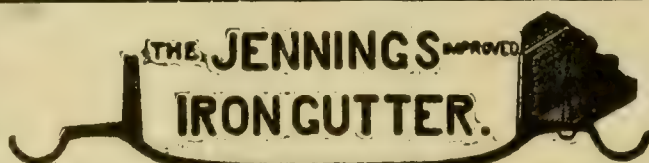
Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
 Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
 CHICAGO.

L.D.Phones: Lincoln 410 and 411

Use our patent
 Iron Bench
 Fittings and
 Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
 APPARATUS

The Steam Coal Situation.

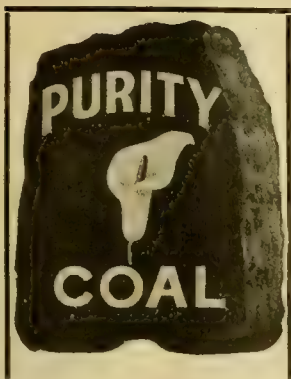
GENERAL AND CHICAGO REVIEW.

Certain underlying causes, since the strike and mine suspensions last spring have slightly increased prices, with an inclination toward a further advance. This is attributed to a scarcity of anthracite, the exportation of eastern coal, a greater demand for coal than last year, the incapacity of the railroads to care for the orders and the unusual fact that certain coal fields have not increased their production. It is believed that the principal cause of higher prices will be a lack of cars. Another influence is that the storage period of May, June and July has passed and the stocks have not been replenished.

A trip to the Zeigler mines in Illinois revealed a very interesting coal fact. To show the value of the coal as it lies in the mine, a sample from top to bottom of the seam was taken. The cuttings were immediately put in a tight jar and so remained until analyzed by an expert, with the following result: Moisture, 8.76%; volatile matter, 31.04%; fixed carbon, 51.58%; ash, 8.62%; sulphur, 0.85%. One pound of this coal would yield sufficient heat to evaporate 12.39 pounds of water at 212° F. and, if 70% of this heat were utilized, 8.67 pounds of water at the same temperature. One pound of dry coal contains 13,117 British thermal units, sufficient heat to evaporate 13.58 pounds of water; if 70% of the total heat present in one pound of dry coal was utilized it would show an evaporation of 9.50 pounds of water at 212° F. into steam. One pound of combustible or pure coal contains 14,509 heat units, sufficient to evaporate 15.02 pounds pressure of water; if 70% was utilized in actual practice, one pound of this combustible would evaporate 10.51 pounds pressure of water into steam at 212° F.

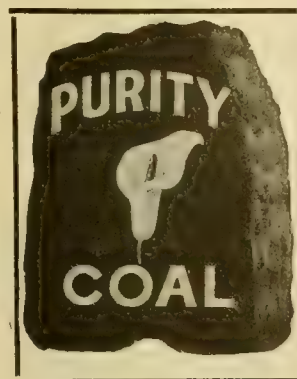
The sulphur content is remarkable as it marks the coal as one that can be used with perfect safety in any furnace operations, or in the manufacture of gas demanding a low sulphur coal, a condition that as a rule cannot be met with coal from the middle west. E. L. Hedstrom & Co. extends a hearty welcome to the florists to visit these mines.

HARTFORD, CONN.—The Connecticut Pomological Society held a field meeting at the State Agricultural College August 13-14. The invitation was extended by President Chas. L. Beach and Prof. A. G. Guiley of the college horticultural department, and the members of the Hartford Market Gardeners' Association and the Connecticut Horticultural Society also were invited.



The sweetness of low prices never equals the bitterness of poor quality and preparation. Many steam users have lost a dollar trying to save a nickel or a dime on their fuel expenditures.

Investigate **PURITY** Sootless.



PURITY Sootless Coal contains more heat units and less ash than any produced in Franklin County. It is the most economical and goes farthest, and is more preferable in every way than the mixed grades of Smokeless, Hocking, Pittsburg No. 8, Youghioghenny and Pittsburg, and other ancient Eastern grades. **PURITY** Sootless is free from impurities, contains no rough coal, bone or cannel formation. All pure **PURITY** Sootless Coal. Mined in all sizes from 6-inch chunks, which average 12 inches square, down to the size of old-fashioned Anthracite Small Range size.

Purity Coal Company

Exclusive Agents of

Purity Coal

MINED ONLY BY

**Ziegler District Colliery Company and
The Christopher Coal Mining Company**

Mines: Christopher, Franklin County, Ill.

Main Office

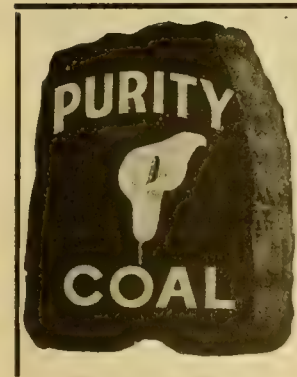
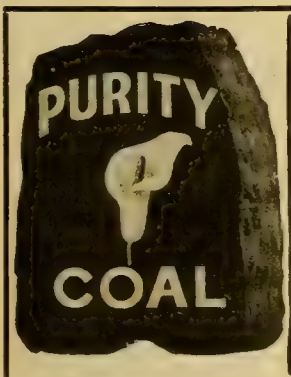
No. 9 South LaSalle Street, Chicago, Ill.
Frank J. Browning, Secretary and Treasurer

E. C. PRATT, N. W. Sales Agent

Nos. 916-918 Security Bank Building
Minneapolis, Minn.

Sunderland Brothers Company

Omaha, Neb.
Agents for Kansas, Missouri and Nebraska





WILKS Hot Water Boilers

ARE

**The Most Economical Boilers for
Heating Greenhouses**

Made entirely of steel and are fully guaranteed.

Have no cast iron sections to crack.

NO NIGHT FIREMAN REQUIRED

with our **SELF-FEEDING BOILERS**

Very Economical in Fuel

Can Be Used with Hard or Soft Coal

Send for our New Catalog and prices.

S. WILKS MFG. CO.

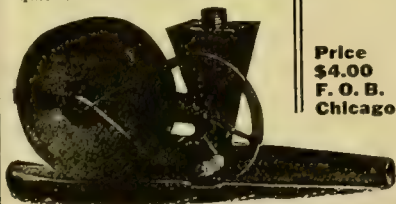
3503 Shields Ave.,

CHICAGO

Destroy Mildew by using the **Peerless**

**Powder Blower to distribute Sulphur,
Lime, Slug Shot, Grape Dust, Tobacco
Dust, Paris Green, etc.**

Emil Buettner, Park Ridge,
Ill., says: "I have used your
Powder Blower and find it a
great improvement over the bel-
lows. It does the work better,
quicker and more even."



Price
\$4.00
F. O. B.
Chicago

Ask Your Jobber for it or
Order Direct From Us

Edw. E. McMorran & Co.

166 N. Clinton Street

CHICAGO

Flower Colors

Use our **Color Chart** in describing them.
PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street,

CHICAGO.

GLASS

Greenhouse and Hotbed Glass Our Specialty

We have the stock you want and right prices.

**Get Your Glass for
Fall Repairs Now**

Write us before placing your order.

Sharp, Partridge & Co.

2269 Lumber St.,

CHICAGO

PECKY CYPRESS

CEDAR POSTS, DROPSIDING AND OTHER GREENHOUSE LUMBER

We are the largest retailers of lumber in the world and can furnish you in quantities
from wagon to carload lots. It will pay you to get our prices.

**Edward Hines Lumber Company, RETAILERS OF EVERYTHING
IN LUMBER.**

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO

Heiss Company
FLORISTS
DAYTON, O.

February 27th, 1912.

Mr. William MacLachlan,
Dist. Mgr. Morehead Mfg. Co.,
Ft. Wayne, Indiana.

Dear Sir:

It is with pleasure that we add a word of praise for the Morehead Trap System which we installed in our plant last fall. We feel that the results obtained fully justify the cost of the system; in fact, we have already saved the cost of the machines in a saving of fuel, in-as-much as we have used no more coal this winter, which has been an extremely long and severe one, than we did last winter which was an unusually mild one. We have been put to no expense in its upkeep and has given us no trouble whatever. Wishing you all the success that your system deserves, we are,

Yours very truly,

HEISS COMPANY.

John M. Heiss

HMF-GW

**WRITE TO-DAY
FOR A
TRIAL
TRAP**

Be an Eye-Witness to the
Benefits of the

Morehead
Back to Boiler
SYSTEM

Put a Morehead Trap in your greenhouses on trial. You are placed under no obligations. All we ask is a fair trial. The rest we leave to you

WRITE TODAY.

Morehead Manufacturing Company
DETROIT, MICHIGAN

New York
Chicago

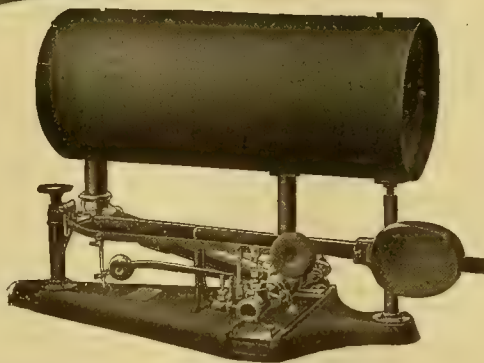
Wichita, Kan.
New Orleans La.

Stocks Carried in
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

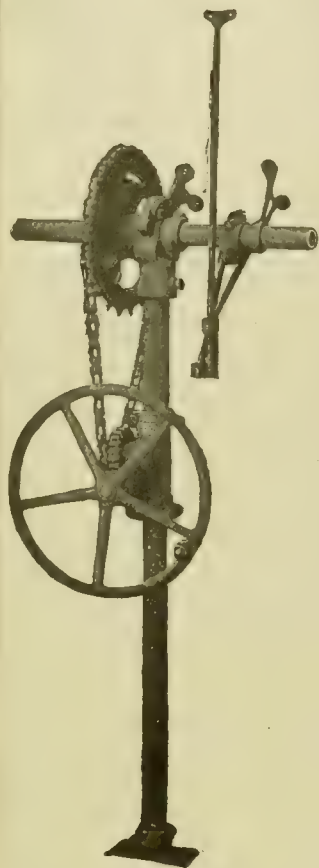
San Francisco

IN CANADA—Canadian Morehead Mfg. Co., Ltd., Woodstock, Ont.



How do You Handle Steam Condensation?

Are you saving the heat and turning it back into the boilers?
Can you take care of condensation without poor steam circulation, leaks or repair expenses?
These are questions that are worth a thoughtful answer—they decide between heating economy or heating waste, good or poor stock, success or failure.



Our Big Advance Ventilating Apparatus

will be on exhibition at the Coliseum during the S. A. F. Convention, and we want you to inspect same.

Step right up and make yourself acquainted with our representatives. They take a certain pleasure in answering your questions because the material which they will exhibit has all the points of merits of any other apparatus and 50 to 100 per cent more. Let us get acquainted.

Up to the present time we have sold over 800 of these **BIG ADVANCE MACHINES**, and every one has given far better satisfaction than the purchaser expected.

If you are in need of ventilating equipment, do not fail to give our line careful consideration before placing your order. We are always glad to estimate upon your needs, and your inquiries are solicited.

In addition to ventilating apparatus, we manufacture a complete line of greenhouse fittings.

See our representatives or write to

ADVANCE CO. :: Richmond, Ind.

Mention the American Florist when writing

FERTILENE

Especially prepared for the production of luscious **CHRYSANTHEMUM BLOOMS**.

THE ADVANTAGES of Fertylene over other manure, are: It is clean, has no offensive odor, is soluble and thus easily prepared; is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor and gives accurate results. 1-oz. is sufficient for ten gallons. Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one-pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH.

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag

Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

**THE EARLY ADVERTISE-
MENT GETS THERE.**

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.
All rights reserved by

United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. **Write for prices, etc.**

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovensoford, Scotland.

Mention the American Florist when writing



Range of Foley Full Iron Flat Rafter Houses

Erected complete with Heating Plant and Foley Triumph Ventilating Machines, for Mr. F. F. Scheel, Schermerville, Ill. There are three houses 28x200 feet and a propagating house 8x200 feet.



This picture shows the light, strong construction. See how neatly the Flat Steel Rafters and Roof Bars are fastened to ridge and side posts. It clearly demonstrates why

Foley Flat-Rafter Construction

gives the maximum of bench space with the least shade.

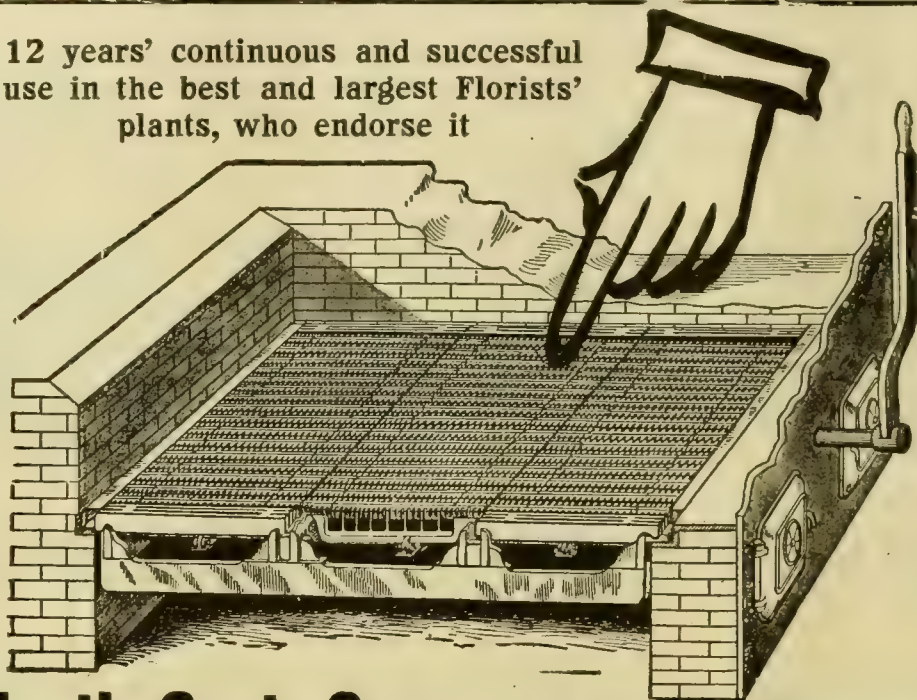
New York Office:
St. James Building

The Foley Mfg. Co.
Western Avenue and 26th Street
CHICAGO, ILL.

Philadelphia Office:
West End Trust Building

"Martin, The Grate with Enthusiastic Users"

12 years' continuous and successful
use in the best and largest Florists'
plants, who endorse it



Write us
now before
cold weather
comes

The Martin Grate Company

347 S. Dearborn Street
Chicago, Ill.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price **\$4.90**
4C12005, with arms, price, ... **\$5.65**
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World.
We handle everything from a pin to a complete
house. Send for our large Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of com-
plete **Greenhouse Heating Systems**. Send for
our Special Heating Catalog No. 47. Estima-
tes furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.



This is the U-Bar,
the bar that makes
U-Bar Greenhouses
the Famous Green-
houses They Are.

Compactness was desired—the height of productiveness
was required. Attractive it must be. Economical to
heat and work were things the gardener insisted on.
The U-Bar plan, design and construction won out
because it stood the test of all the requirements. The
reason—the main reason—is the U-Bar—the Bar that
makes the U-Bar greenhouses the famous greenhouses
they are. No other curved cave house has the U-Bar, so
don't be misled by houses that look like the U-Bar.
Send for catalog. It gives another view and a plan of
this particular house.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK.
CANADIAN OFFICE: 10 PHILLIPS PLACE, MONTREAL

Now is the Time
To Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest
Brightest and Best British Trade
Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual sub-
scription for weekly and quarterly
numbers, One Dollar. (Interna-
tional money order). Subscribe
today and keep in touch with
European markets and topics.

The Horticultural Printing Company,
BURNLEY, ENGLAND

TWENTIETH CENTURY PRODUCTS

SCALINE

This is the new oil and sulphur composition—a scalicide and fungicide combined—which supplies the crying demand from the East, West, North and South, for an insecticide that can be employed at all seasons of the year, for the destruction of the San Jose scale, Oyster Shell scale and all sap-sucking insects infesting trees, shrubbery and hardy stock.

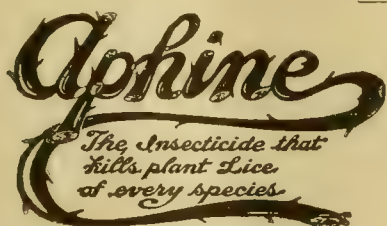
It can be applied as safely in the growing as in the dormant season.

SCALINE is an excellent summer spray for the cottony scale, pine tree aphis, apple aphis, red spider, thrips and plant lice generally.

The sulphur contained in SCALINE makes it effective as a fungicide for various blights which affect hardy stock.

It is readily soluble in water, contains no sediment and can be sprayed through the finest spray nozzle.

\$1.50 per gallon, 10 gallons \$10.00, 50 gallons \$37.50.



THE RECOGNIZED STANDARD INSECTICIDE.

It is a concentrated liquid, its chief constituents being essential oils and nicotine, mixing readily with water at various strengths, as directions on can.

APHINE destroys green, black, white fly, thrips, red spider, mealy bug, white and brown scale and can be applied to the most delicate foliage—in fact, it invigorates plant life. It is an excellent cleanser for decorative stock.

APHINE is not a cure all, but a specific remedy for plant life, and enjoys a reputation as the insecticide that does excel all.

\$1.00 per quart, \$2.50 per gallon.

APHINE and FUNGINE are equally effective in the greenhouse and in the garden.

Our products are universally endorsed by commercial and private growers of reputation. We possess hundreds of endorsements, many of them published in the past, from eminent entomologists and expert floriculturists, but we have reached the conclusion that there is only one convincing way for you to become familiar with the merits of these products; and that way is, test them out yourself. It will prove worth your while.

VERMINE will shortly be placed on the market by us. It is a soil sterilizer and a germicide for destroying cut, wire, eel and canker worms, grubs, sow bugs and root aphids. This product has been successfully used for a number of years. We have secured the formula, and are now conducting experiments to test to our own satisfaction just what it is capable of.

SQUITO-RID The Mosquito Repellent. Effective for man and beast wherever this pest may be—indoors or outdoors. Sent direct, express charges prepaid, at the following prices. Quarter pint 70 cents, half pint \$1.00, pint \$1.50.

**OUR PRODUCTS ARE THE BEST AND THIS EXPLAINS WHY
THEY ARE NOT THE CHEAPEST**

THEY ARE SOLD BY ALL UP-TO-DATE SEEDSMEN AND SUPPLY HOUSES

APHINE MANUFACTURING COMPANY, Madison, N. J.

M. C. EBEL, General Manager

Manufacturers of Agricultural Chemicals

FUNGINE

THE FUNGICIDE OF MUCH MERIT.

Its principal ingredient is sulphur in solution, so treated that it can be applied to the tender foliage without injurious effect. Used as a spraying material mixed with water.

FUNGINE is an infallible remedy for mildew, rust, wilt, spot and bench fungi affecting flowers, fruits and vegetables. It is used with much success by rose, carnation and chrysanthemum growers.

It is effective where Bordeaux mixture and lime and sulphur fail, and unlike those preparations, it does not stain the foliage but cleanses it.

75c per quart, \$2.00 per gallon.

Greenhouse Materials

Louisiana Cypress

Washington Red Cedar



Hotbed Sash

Have You Seen Our Best?

Once Tried--Always Used

PAYING HOUSES

ARE after all what you are looking for. There is little satisfaction in the fact that you are trying out some new schemes when the returns in hard cash do not justify the outlay. OUR HOUSES ARE PAYING HOUSES. Besides they are modern, convenient and lasting. The owners of the above range, which was built as per our plans and with our material, increased their glass area within a few years to five times the original size, and there are others just like them.

WRITE US FOR SKETCHES AND ESTIMATE

**A. DIETSCH COMPANY, 2642 Sheffield Avenue
CHICAGO, ILLINOIS**



L. HRUDKA POTTERY

Manufacturers of



EXCEPTIONALLY FINE WHITE POTS

WRITE FOR PRICES

2619 Herndon St., Chicago



WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

SEE

CARBON E

BOSTON

At Chicago

New and Interesting Ideas in

China, Glass, Baskets, Pottery

SEE THE

"PEERLESS"

FLORIST REFRIGERATOR

Shown at the Exhibition. Special designs built to order. Manufactured exclusively by

JAC. LEDERER, Inc.

644-647 W. Madison St., - CHICAGO

Phone Monroe 2496, All Departments

WINANDY'S NEW BENCH and Heating System

See It While You Are Attending the Convention.



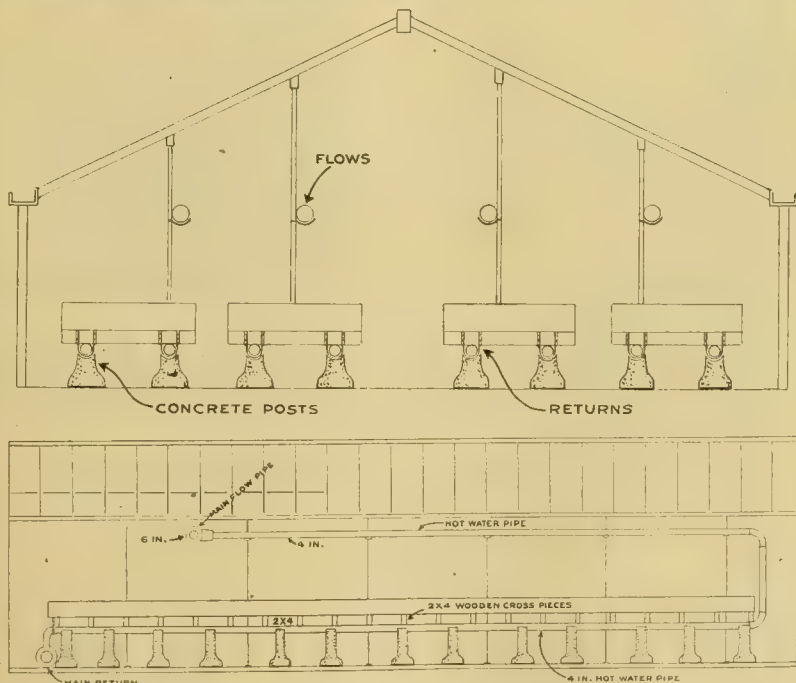
THE accompanying illustration shows our New Patent Bench and Heating System as it is installed at M. Leider's place, Oakton street and Asbury avenue, Evanston, Ill. Since we began advertising we have been asked by many out-of-town florists how and where they could see one of the newly arranged greenhouses. The coming convention next week will be a splendid opportunity for all visitors interested to inspect our new system by visiting M. Leider's place in Evanston, or Joseph Scheiden's place on Howard and Western avenues. To reach Mr. Scheiden's place, take a North Clark street car to Howard avenue and go one-half mile west to Western avenue. If you will call us up (Telephone Ravenswood 607), we will arrange to take you out to one of the above mentioned places, and will gladly explain everything in detail. Don't think of leaving the city until you have inspected this new system, for it means a big saving in your next building.

THIS new system, when well understood, will satisfy anyone that this is the best arranged for economy and gives better service than anything known of before in this line, whether for new greenhouse construction or reconstructing new benches in old houses. It was invented by Michael Winandy after he had been in the greenhouse construction business for over 35 years, and he was always held as an expert in greenhouse construction.

The new invention was patented April 9, 1912, and by right of this patent the only manufacturer and constructor of this new system for the United States is the M. Winandy Co., Mfgs.

During the last 10 months we have built 45 new greenhouses, covering a space of 200,000 square feet of glass, with this heating system, and we can refer you to all these owners as to the truthfulness of what we claim for this new system.

For full information about this new construction send to



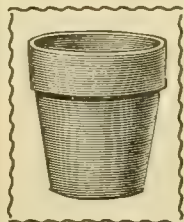
The above is an illustration of the cross and side view of the improved heating and bench construction for greenhouses and conservatories.

M. WINANDY CO., Mfgs.
6236 N. Lincoln Street, CHICAGO
 Telephone Ravenswood 607

GEO. KELLER & SON

Manufacturers of the famous

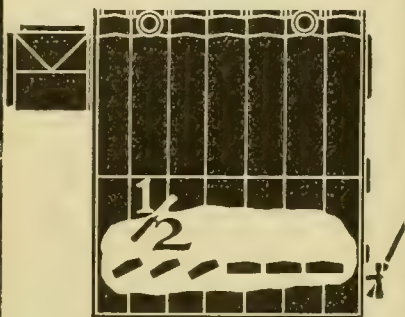
RED POTS



From Eastern Clay. Before buying write for prices

2614-2622 Herndon Street,

CHICAGO, ILL.



Shake Half at a Time — That's the Way with Burnham Boiler Grates.

Just half the work to do it. In mild weather you can bank half the grate with ashes and burn the other half.

Great convenience — great economy.

No other Cast Iron Sectional Boiler that we know of has a half-shaking grate. It's one more big economy reason why the Burnham is the boiler to buy.

See Handy Hand Book, pages 52 to 64, for a dozen other economy reasons.



Lord & Burnham Co.

SALES OFFICES:

New York Philadelphia
St. James Bldg. Franklin Bank Bldg.
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

*Green Flies and
Black ones too*

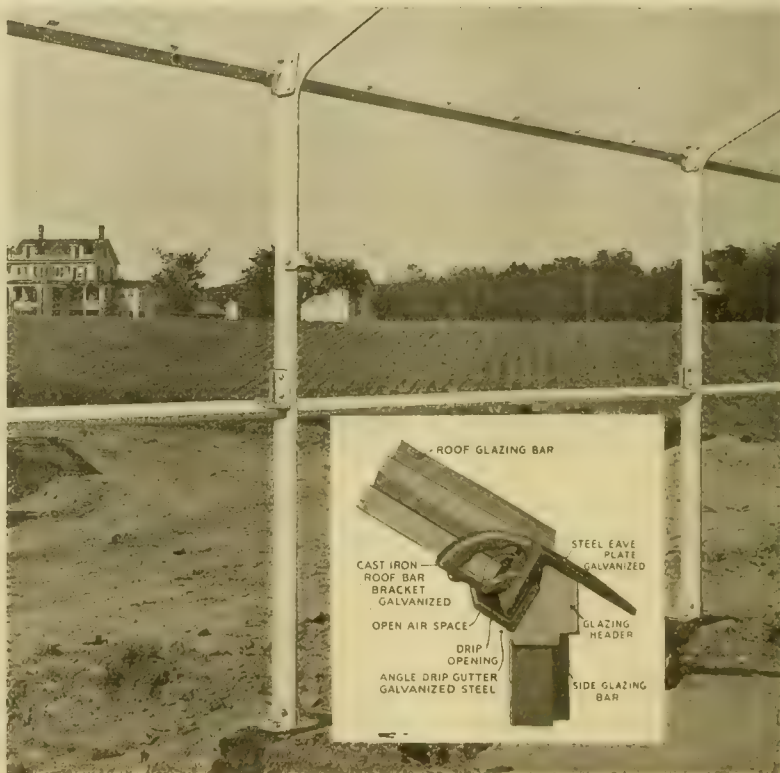
are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



Side Members of Iron

UP at Rowayton, Connecticut, we lately built two big Iron Frame Houses, 56 feet wide. The iron work on the sides was constructed as shown above.

The Plate is our Patented Z-Bar design, which is decidedly the best plate of all, if you want a drip gutter attached.

The full description of all the structural members in these houses at Rowayton, along with a section and exterior and interior views, are shown in our New Catalog. Send for it.

Hitchings & Co.

Elizabeth, New Jersey

The Early Advertisement Gets There

NOW READY

The American Florist Company's Trade Directory — For 1912 —

Contains 646 Pages. Price \$3.00 Postpaid

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO

Triumphant Clay's

A Grand Fertilizer

AMONG nurserymen, the value of CLAY'S FERTILIZER needs little emphasis. It is, one may say, an old friend that has been tried and proved over and over again; and doubtless there are but few of our readers who do not both stock it and use it. The latest and greatest testimony to its value comes through the medium of the recent ROYAL INTERNATIONAL HORTICULTURAL EXHIBITION. Large quantities of CLAY'S were supplied for the preparation of the Royal Hospital Garden at Chelsea, and now that the process of renovation is under way, it is an interesting and significant fact that CLAY'S FERTILIZER is being exclusively used. A point for our readers to bear in mind in connection with CLAY is that thousands of amateur growers are daily awakening to the beneficial results following its use; indeed the demand from all quarters is so greatly on the increase that Messrs. Clay are almost continuously extending their works and plant.

—Nurseryman and Seedsman, July 20, 1912

CLAY'S FERTILIZER

The Plant Food of Recognized Merit
for Flowers, Fruits, Foliage
and Vegetables.

Is Unsurpassed for All Horticultural Purposes

Supplied by the Leading Nursery and
Seed Firms, including the following:

New York

A. T. Boddington Stumpp & Walter Co.
Burnett Brothers J. M. Thorburn & Co.
William Elliott & Sons Vaughan's Seed Stores
Peter Henderson & Co. Weeber & Don

Boston

Joseph Breck & Sons Fottler, Fiske, Raw-
Corporation son Co.
R. & J. Farquhar & Co. Thomas J. Grey Co.

Philadelphia

H. A. Dreer Henry F. Michell Co.
Hosea Waterer

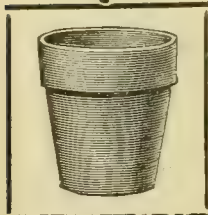
MANUFACTURED BY

Clay & Son
Stratford, London, England

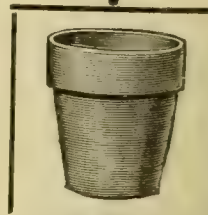
C
L
A
Y
'
S

STANDARD FLOWER POTS

M A D E



from the best clay at very reasonable prices. Our pots are used by leading growers everywhere and are recognized as the best pots made. Thoroughly fired and more suitable for shipping. Send for illustrated price list. Do it now.



A. F. KOHR

2934-36 Leavitt Street,

CHICAGO, ILL

Minneapolis.

BUSINESS SHOWS INCREASE.

Business has shown a remarkable increase. The general run of business was good and a number of funerals helped clean the market. Among the funerals was that of former United States Senator Washburn, which in itself created a heavy demand. Outside stock is still coming in in the best of shape, and with our present cool weather it no doubt will continue in good condition. The demand is well taking care of the supply. Most of the stores express themselves as satisfied with the present business.

TWIN CITY BOWLING.

The following scores show the result of the bowling contests at the picnic of the Twin City Florists:

MEN'S TOTALS.

C. Haugan	136	150	151-437
E. Meyer	116	127	89-332
P. Toppel	128	96	128 352
E. Doetsek	116	134	115-365
J. Dill	165	154	151-470
E. Stelger	111	150	80-311
J. Rovik	100	184	109-393
W. Swanson	140	136	137-413
O. J. Olson	145	125	127-397
C. N. Ruedlinger	135	158	165-458
T. Wirth	108	138	125-371
S. D. Dysinger	134	189	134-457
H. Will	126	144	127-394
E. Lemke	159	141	107-407
F. Zitzgow	105	87	172-364
G. Malmquist	107	79	
C. Vasatka	95	129	
F. Lindskoog	113	139	
W. Desmond	133	104	
N. C. Hansen	118	119	
M. Kalser	104	99	

LADIES' TOTALS.

Mrs. Theo. Wirth	130
Miss Elsie Will	110
Mrs. E. Meyer	134
Miss E. P. Will	108
Mrs. C. N. Ruedlinger	86
Miss J. Mense	108
Miss E. Malmquist	161
Miss Louise Ruedlinger	120
Mrs. W. Desmond	147
Miss Sather	110
Miss H. Malmquist	113

NOTES.

Rice Bros. are handling an exceptionally fine lot of Pierson roses (the new cream Killarney). Their supply comes from LaCrosse, Wis. This rose has surely made a hit in Minneapolis and Rice Bros. experience no trouble in disposing of a good supply daily.

Whitted The Florist has added another store, having taken over the Radisson shop. This makes the third store for this firm in the city.

Oscar Carlson has returned from his trip abroad. He was accompanied by Mrs. Carlson.

Will Bros. are bringing in a fine lot of carnations and their general supply is good. C. F.

RUBBER HOSE

of
Quality

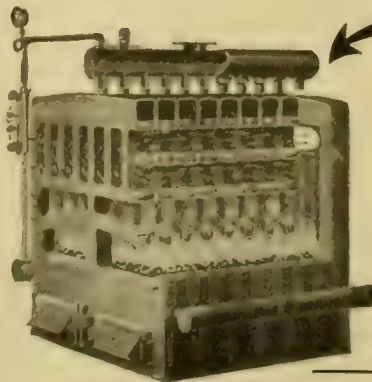
Look for our stand

AT THE

Florists' Convention

IT WILL BE WORTH YOUR WHILE.

THE B. F. GOODRICH CO. Akron, O.



Boynton Furnace Co.

SOLE MANUFACTURERS OF

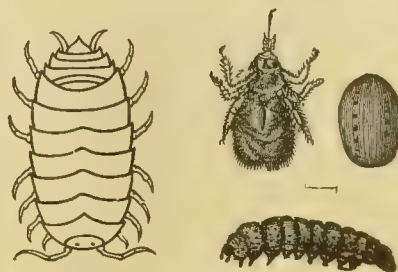
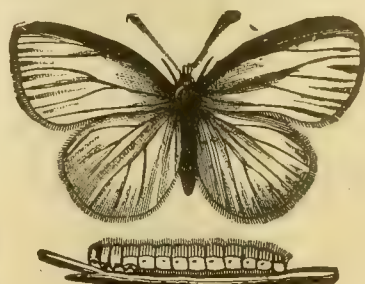
BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
131 W. Lake St.

EFFECTIVE MEDICINE AGAINST BUGS

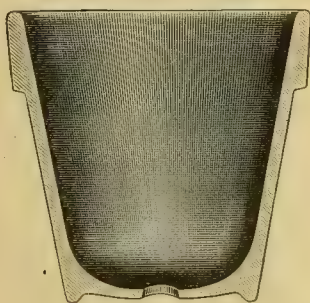
Sold by the Seedsmen of America

Send for Pamphlet on Bugs and Blights, to B. Hammond, Fishkill-on-Hudson, N. Y.

THOSE RED POTS

"STANDARDS"

Full Size and
Wide Bottoms



Bulb Pans and
Azalea Pots

Detroit Flower Pot Manufactory

490 Howard Street, - - - DETROIT, MICH.

HARRY BALSLEY, Rep.

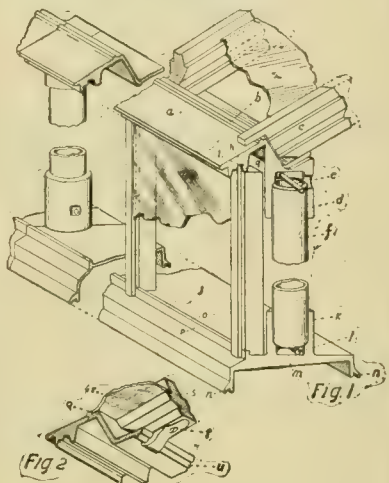
SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.

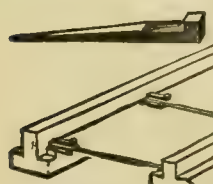
50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

VAUGHAN'S
SEED STORE,
Chicago New York.

Mention the American Florist when writing



SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert. Baum & Beatty Sts., Pittsburg,

The Early Advertisement Gets There.

Hot-Bed Sash, Too.



KING

Greenhouses

LIGHT,
STRONG,
LASTING.

The Three Prime Qualities.

Iron Frame.
Semi-Iron Frame.
Private Conservatories.

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

Write for Bulletins and
Question Blank.

King Construction Co.,

Home Office and Works:
NORTH TONAWANDA, N. Y.

Boston Office:
Winthrop Bldg., 7 Water Street,
BOSTON, MASS.

Eastern Sales Office:
1181 Broadway, NEW YORK

Mention the American Florist when writing

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

ARE YOU
SURE your OLD
Heater
WILL NOT
GIVE OUT
entirely some
wild night next
winter?

IF YOU are one of
the take-time-by-
the-for-lock men
write us for information
about the

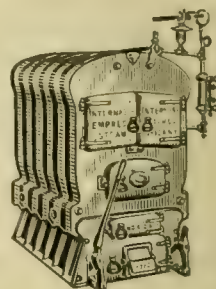
INTERNATIONAL
Empress
Boiler

WE DO not ad-
vertise the
International
Empress as the
"best boiler ever
made." We simply
ask you to read
the statements of
those who have
installed them.

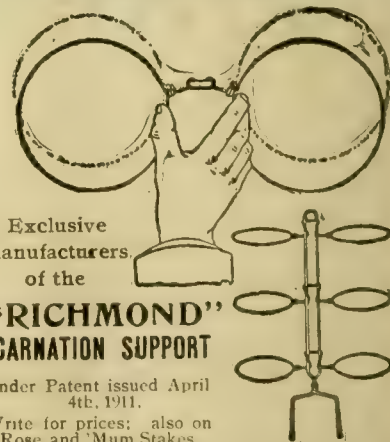
When experienced users tell of
big fuel saving,
ease of erecting and simplicity of operation,
don't you think there is something in it?

Send us a plan of your houses with your
total glass area and let us help you.

INTERNATIONAL HEATER CO.,
UTICA, N. Y.



EAGLE MACHINE WORKS RICHMOND, IND.



Exclusive
manufacturers
of the

"RICHMOND"
CARNATION SUPPORT

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

ALL Nurserymen, Seedsmen and Florists wishing
to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly
by all the horticultural trade; it is also taken by
over 1000 of the best continental houses. Annual
subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, appli-
cants should, with the subscription, send a copy of
their catalog or other evidence that they belong to
the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

PRINTING PRINTING

PUTTING the "finishing touch," giving an artistic appearance to printing is a power possessed by few and we are experts in designing Commercial Stationery of all kinds. We are experienced in making reverse plates for special shipping labels and also in printing labels in straight colors.

Envelopes of all kinds in small and large quantities.

Booklet Work. We manufacture a booklet that can be mailed without an envelope. We are designers of odd covers and novel effects in all kinds of booklet work.

When you want quality and price write us—be explicit in stating what you want and our services are rendered cheerfully whether you order of us or not.

GORHAM & CHAPLINE PRINTERY

542 South Dearborn St., - - - CHICAGO

SPECIAL OFFER



That everyone may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97 and give you one Mastin Whitewash Nozzle and one Extension Rod, Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

J. G. MASTIN CO.

3124 West Lake Street :: :: CHICAGO, ILL.

STAUNTON, VA.—John Fallon has been granted a permit to build a new greenhouse, 34x102 feet, to cost \$1,700.

LOUIS J. REUTER, state vice-president of the American Florists' Association for Rhode Island, has been working up interest in the convention and at last reports was making arrangements with the Boston party for accommodations to Chicago for the Rhode Island contingent.

1868

1912

Lockland Lumber Co.

GREENHOUSE LUMBER

Lockland - - - Ohio.

Shipping Labels for Cut Flowers

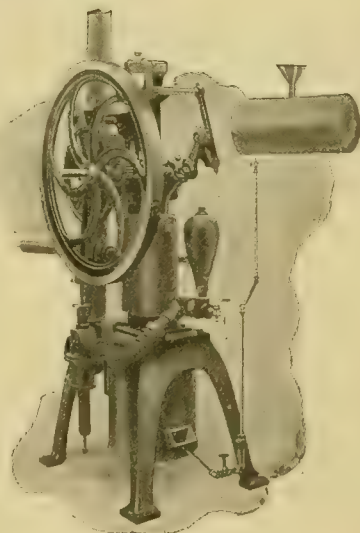
Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size $6\frac{1}{2} \times 4\frac{1}{2}$.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Street, Chicago.



Hot Air Pumping Engine

AUTOMATIC WATER SUPPLY

OUR system consisting of pump motor, pneumatic tank and automatic switch, will automatically supply water for all purposes.

The Hot Air Pumping Engine has no equivalent where electric power is not available.

Centrifugal circulating pump for hot water heating system.

Automatic condensation pump and receiver.

Bilge pumps, triplex pumps, cellar drainers, etc.

Manufactured by

THOMAS & SMITH, Inc.

116-118 No. Carpenter Street :: CHICAGO, ILL.

For full information write for catalog B.



Automatic Electric Water System

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Hot Water Heating by Taylor Syphon Circulator

A FUEL SAVING DEVICE

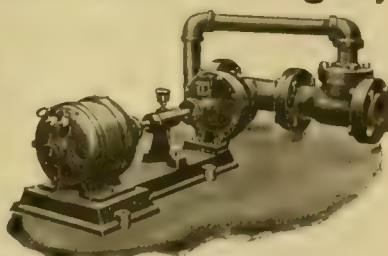
For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

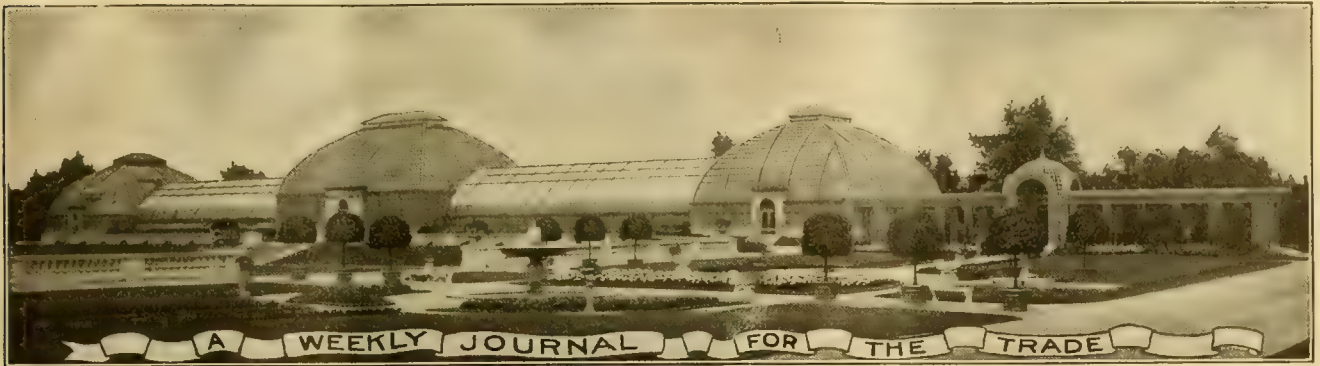




SUMMER FLOWERS IN DESIGN WORK.

Wreath of Bronze Magnolia Leaves with White and Pink Water Lilies.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, AUGUST 24, 1912.

No. 1264

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, Jr., White
Marsh, Md., President; AUGUST FOEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

Annual Convention and Trade Exhibition at
Minneapolis, 1913. JOHN YOUNG, Superintendent,
New York.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New
York, April, 1913. A. FARENWALD, Roslyn, Pa.,
President; FRANK H. TRAENDLY, New York,
Vice-President; BENJAMIN HAMMOND, Fishkill-
on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New
York, April, 1913. PHILIP BREITMEYER, Detroit,
Mich., President; A. F. J. BAUR, Thirty-eighth St.
and Rockwood Ave., Indianapolis, Ind., Secretary.

As Summer Fades.

The moonlight shimmers on the sea;
The sunshine gilds the rustling wood;
The daisy blossoms on the lea;
The robin sings in joyous mood.
And Nature chants a merry tune
Because 'tis fragrant, leafy June.

Still shines the light of moon and sun,
But with a warmth that herely sears;
The wild flowers into weeds have run,
And oft the mercury appears
Ambitious to attain the sky
In speedy flight. 'Tis now July.

A lifeless landscape greets the view;
The insects shriek in mocking joy,
So pleasures charm while they are new,
But when familiar, how they cloy!
The verdure dies upon the bough,
The song bird sneers. 'Tis August now.
—Washington Star.

THE CHICAGO CONVENTION

Next Convention at Minneapolis.

OFFICERS FOR 1913:

President, J. K. M. L. Farquhar, Boston.
Vice-Pr.s., Theodore Wirth, Minneapolis.

Secretary, John Young, New York.
Treasurer, Wm. F. Kasting, Buffalo, N. Y.

Convention Proceedings.

The twenty-eighth annual convention of the Society of American Florists was called to order by Vice-President August F. Poehlmann Tuesday morning, August 20, at the Coliseum, Chicago, and well reflected the progress that has been made of late years by this society in all directions affecting its growth and usefulness. The attendance was large, while the exhibition in size and representative character was all that could have been wished or hoped for. The attendance, however, did not put itself fully in evidence at the first session, some trains arriving late, and it was not until the afternoon that the seats in the convention hall were well filled.

After calling the first session to order, Vice-President Poehlmann assured the visiting florists that they were in excellent hands, would be well cared for, and would find much in Chicago to interest and attract. He could not resist telling them something of the beauties of the city, and especially its magnificent park system, adding that the speaker whom he introduced first stood at the head and front of all movements looking to park improvement—the Hon. John Barton Payne, president of the south park commis-

sion, and in this development that florists would play a prominent part. Mr. Payne's remarks brought forth well deserved applause.

Vice-President Poehlmann next introduced the Hon. Wm. J. Vesey of Ft. Wayne, Ind., who responded to the address of welcome. Mr. Vesey referred to the fact that Judge Payne had exemplified a new beatitude, "Blessed be they who speak briefly, for they shall be called to speak again." He praised the high character of the membership of the S. A. F., as good citizens of the Union and as men and women banded together for the laudable object of improving themselves and benefiting their fellows. He felt that the convention in coming to Chicago had selected a city where they might see many successful florists as models to follow, and acres and acres of glass that is making the Chicago florists wealthy. "Chicago is big in all ways, but not more so in her material improvements and her magnificent buildings than in her flower merchants whose methods are worthy of study and emulation," said Mr. Vesey. The convention would certainly not only enjoy itself but would get in Chicago much of practical value, he declared. Mr. Vesey closed by returning thanks to Chicagoans for the good times and cordial hospitality which he anticipated for the convention.

Address of Welcome by Judge Payne.

Judge Payne delivered in chaste and well-chosen sentences a royal welcome to Chicago, declaring that flowers typify all that is purest and sweetest and most genuine in life, and that those engaged in more hum-drum callings may well envy the florists who devote their lives to the cultivation of the beautiful in nature. He predicted for out-door life in America wonderful growth and development in

Vice-President Poehlmann in introducing President Richard Vincent, Jr., of White Marsh, Md., referred to him as one prominent in the work of the S. A. F., and who had given freely of his effort and time to make this convention a success. President Vincent delivered his address, which was referred to the following committee: J. A. Valentine, J. C. Vaughan, John G. Esler, C. C. Pollworth, F. R. Pier-son, Patrick Welsh and J. O. Thilow.

President Vincent's Address.

Ladies and gentlemen, members of the Society of American Florists and Ornamental Horticulturists:

Your generous welcome has made this day the proudest in my life, and I thank you for your reception from the depth of my heart. Strange as it may seem, for the reason that no florists' club has been more active than yours in the affairs of our national society, this is the first meeting of the S. A. F. and O. H. in this great city of Chicago since the society's organization meeting in 1884 and its annual meeting in 1887. In all the years which have passed since then no annual meetings have been held here. At the time of the great World's Fair, held here in 1893, it was thought inadvisable to hold the convention in Chicago. It was, therefore, held in your annex, the city of St. Louis, although, after that meeting, there was one week devoted to a horticultural conference in this city. Later, at the time of the Milwaukee convention, our members were lavishly entertained in Chicago on the closing day of the meeting. At various other times we have passed through your city en route to our annual meeting tryst, and at such times we have been well and heartily received.

There is no city in the United States to which we can come with greater hope of a successful meeting than this, for your inhabitants claim your city to be the center of commerce, of population and of civilization. Their claim is well put and we agree with them. We feel that our stay in this city is going to be one of wonderful interest and that our sessions will be marked by progress of a notable character. For the recommendations I am about to make I invite your earnest consideration. Some of them may, and probably will, meet with opposition, but generally through opposition only is a principle best worked out. My desire is that when we leave Chicago it will be with the knowledge that something tangible has been done for the future welfare of the society of which we are all so proud to be members. Let us not indulge in dreams, but in action. On behalf of all our members I thank you for the hearty welcome received this day.

In the past history of the society, its executive board, after mature deliberation, has presented plans for the benefit of the society which have been ruthlessly torn to pieces in general meeting; in some instances the membership has been in the right; but in most cases the officers have been defeated in their efforts in the direction of betterment for the society through the fact that the members who influenced the results of the debate had not had opportunity to consider the subject from all its angles, and, therefore, from lack of this consideration were inimical to the proposed changes, and so sought to defeat them. It would be but a slight expense to the society to print and immediately place in the hands of each individual member the full text of the work of the executive board at its meetings. Members would then be in prior possession of the reasons why certain policies had been advocated and would come to a convention properly prepared and fully informed on the subject, ready to discuss and vote aye or nay, according to their convictions. I



J. K. M. L. FARQUHAR.

President-Elect Society of American Florists.

urge that in the matter of the executive board meetings more light be given each individual member.

SELECTION OF SECRETARY.

The secretary of the society should devote his entire time to its business, and his compensation should be such as would justify the employment of the best man obtainable. I affirm that the appointment of a secretary should be absolutely controlled by the board of directors of this society. There has been much discussion on this subject hitherto, but my contention is that no president and board of directors of a large business house, corporation or bank, would care to run their institution if its acting secretary was under the control of the stockholders, and so not directly responsible to himself and the board. While I do not contend that the S. A. F. is a business proposition only and solely, it cannot be gainsaid that there is more of business practice in its workings than not. In other words, while our society is working both for the elevation of its members and the benefit of the people of the country at large, it is in great measure controlled by its business interests. The work to be accomplished by our society in the future will be due as much to its secretary as to its president or its board of directors, and the only men qualified to judge as to the value of the secretary to the society are those with whom he comes in direct contact, namely, its board of directors. A secretary whose time is

to be given entirely to the affairs of the society can well earn a living by traveling through the country talking up the S. A. F. and obtaining members if, together with the National Flower Show, we present other salient benefits to be derived therefrom—which we can well do—such as a year book to be issued by the society, a permanent home, a school of horticulture wherein your sons or any worthy young man can be educated; all these and other features will prove attractive in leading to an enlarged membership, the limit of which should be placed at not less than 3,000.

Although membership in this society is probably worth more today than when it was originated, I do not believe that either the membership fee or the life membership fee should be increased, not, at least, until we have more inducement to offer prospective members. The most important point I have to make is in regard to regulation of membership: I urge that this society pass a rule whereby new members proposed must have the endorsement of the vice-presidents of their respective states or of their florists' clubs, or two members of the S. A. F. in good standing, before their application is granted by the society; this is to be through its secretary or a membership committee.

Much has been said with regard to increasing our membership, but actually little has been done toward that end. Several of our members have distinguished themselves by bringing



THEODORE WIRTH.

Vice-President-Elect Society of American Florists.

in many new members, but, taken as a whole, the majority have made no great effort to influence others to join with us. One need not seek far to ascertain the reasons for this passive condition. With all that has been said and done in the matter, the fact remains that until quite recently our society held one big meeting once a year, and when that meeting adjourned the society was practically dead for the next eleven months and three weeks. The institution of the biennial National Flower Show has already worked considerable change in this apathetic condition, and a few further live moves in the right direction on the part of our society will materially alter the condition of indifference to the S. A. F. prevailing among the trade at large. When we make membership sufficiently attractive to the pocketbooks of our fellow florists, we shall obtain their adhesion, not spasmodically at each city visited as has been the case in past years, but for keeps, just as a live trade paper holds its circulation.

The subject of holding our annual conventions at the same time as the spring flower show created a lively debate at our meeting in Baltimore last August, and those in favor of holding the convention in the month of August had the better of the argument. Inasmuch as it is absolutely impossible to do convention work whilst a great flower show is in progress, this fact being fully demonstrated at our last national flower show held in Boston,

when it was found impractical to bring our members together for a business session, although they were present in great force all through the week, it would seem just as well that this society continue its August meetings as heretofore.

CLOSER RELATIONS NECESSARY.

It is useless to further attempt to disguise facts. The society in its early days committed its first tactical error in not assuming the paternity of the Florists' Hail Association, and has gone on from year to year disregarding the requirements of its specialists in all lines until today we have strong societies which, in the value of their work and the influence they wield, are nearly at par with the work done by the so-called parent body, the S. A. F. and O. H. More discussion has been offered on the matter of closer relationship than possibly on any other subject, at our various meetings for the past ten years or so; yet, with it all, not one step in advance has been made to clear the situation or bring about the desired ends until the present year. Prospects are now brighter and, if a good working committee can be gotten together during this convention, results may follow. There is no doubt in my mind but that the most active of our societies will continue each under its own autonomy. Societies such as the Carnation, the Rose, the Gladiolus, the Sweet Pea, even the Peony, will each continue on its way, fixing their several

policies to suit the needs of the hour and enlarging their organizations and scope as the years go by. In great part the men who are prominent in these societies are the men who are prominent in the S. A. F. and O. H., and it must be said of these men that they are just as loyal to the old S. A. F. as they are to the separate societies in which they take so active an interest. It is for the reasons aforesaid that every plan of affiliation which has heretofore been brought forward has been laid on the table. There must, however, be some common ground on which these societies can come together in order to form that strong, compact body of horticultural interests which could produce far more good for the business than is possible through the efforts of isolated groups and separate organizations. I ask the most thorough consideration of the plans which will be presented on this floor with that object in view, the result of a "get together" meeting held in this city.

With regard to the affiliation of the purely local horticultural societies throughout the country, we think the way should be made easy whereby these may become affiliated with our society. It is for this convention to decide as to whether it would be in opposition to an attempt to form an amateur section of the S. A. F.; our constitution and by-laws, and our national charter make provision for the admission of all interested in horticulture. I ask the privilege of appointing a committee to formulate plans to that effect, said committee to report to this convention in 1913. The admission of local horticultural societies should place no additional burden on the funds of this society, while much mutual benefit would result. The society itself would become better known locally throughout the country, while the amateur societies represented could have the assistance and advice of the society's officers whenever they were required. The S. A. F. could also afford to contribute silver and bronze medals to the various shows conducted by the affiliated amateur societies, could provide a uniform constitution and by-laws, scale for point judging, and rules for show handling among those affiliated. A feature of the affiliation should be that officials or members of the S. A. F. be in official evidence at all exhibitions of the societies, an easy detail to provide for on account of our universal membership.

LOCAL FLORISTS' CLUBS.

With regard to the florists' clubs throughout the country, the question of the affiliation of these is the next most important to that of the affiliation of the various larger societies mentioned. Can we not offer representation to these clubs on a basis that would be satisfactory to both contracting parties? The individual florist clubs form the backbone of the S. A. F. and deserve better recognition. The same committee appointed to take up the affiliation of the local horticultural societies could also consider this proposition.

Some of the lines on which our societies might be brought together and affiliated with the S. A. F. and O. H. are as follows: Liberty to join or resign—in effect state sovereignty and home rule. Affiliation along co-operative lines. Reason for affiliation being that there is strength in unity. Each society to be represented in the S. A.

F. directorate. S. A. F. to exercise the functions of our federal government. In the publication of an annual, each affiliated society could pay its proportionate expense of publication, taking as well a certain proportion of the copies printed.

In regard to attendance at meetings we most certainly need a reform in this direction. It is scant courtesy to ask a gentleman to prepare a paper on some special feature of interest and then have him lecture to a beggarly array of benches. If the members will not remain in session to hear the essays, we should eliminate them from our programs, and confine ourselves entirely to the matters of business which are presented for our consideration. In fact, it has often occurred to me that while in former days, when there were no trade journals to rely upon, the presentation of essays was most advisable; in these days such papers are not so necessary as a part of our meetings, unless they be connected with some special feature of the business which calls for elucidation or discussion. Subjects selected should be confined to those which appeal to the entire membership, for a carnation grower does not care to listen to a paper on roses, a rose grower to one on general gardening principles, and so on. Papers on cultural topics can well be confined to the societies which represent one phase of our business.

As to the convention exhibition, we can report satisfactory progress. The recent action of the executive committee, which has brought about the long advocated change to the effect that the receipts of the exhibition belong to the society, has met with unqualified success. The further supervision of the exhibitions by the society's secretary is another step in the right direction. The surplus receipts from this and other sources could well go toward the maintenance of our required headquarters. On account of the value of these exhibitions to the trade at large it does seem advisable that our conventions should be held in cities of large population. The trade exhibition is of more interest to the average attendant than any other feature of our convention, and its development should be encouraged by every means in our power.

The affiliation of all horticultural societies and florists' clubs would go far toward strengthening the hands of the gentlemen composing that committee, inasmuch as in numbers there is strength. The work this committee is called upon to handle is mainly of a nature which brings it into contention with great interests, such as the railroads, the express companies, the various national and state legislative bodies, as also the Interstate Commerce Commission. From this it will readily be seen that when this committee succeeds in winning a decision on a contested case or in obtaining a concession, it is doing great work, not alone for the society, but for the trade at large.

INTEREST SHOULD BE CONTINUOUS.

We should make a strong effort to check the deadness which so often characterizes the society between its annual meetings. A real, live society should have something doing all the time. It should not be like the annual circus which comes to town, pitches its tent, performs for a week and then fades away to remain unheard of and



WM. F. KASTING.

Re-elected Treasurer Society of American Florists.

unnoticed for a year to come. Affiliation of societies, committees working on live issues, the national flower show and a progressive secretary always on his mettle and on the move for betterment of the society, will help greatly to remove an apathetic condition which has too often been directed against us in reproach.

For years past our successive presidents have felt called upon to make remarks upon the improvement of floricultural conditions, and I find myself joining in this acclaim with my predecessors, for certainly the development of our product has kept pace with that of all other arts and sciences which tend toward the betterment of the condition of the people of our common country. Within the past ten years there has been a wonderful "back to the land" movement on the part of our wealthy men. Consequently great amounts of money have been spent in the embellishment of estates; this movement has in no way been confined to that class, for we find that the desire is becoming universal on the part of all who own their homes to make their grounds beautiful. Civic improvement is the order of the day everywhere. The demand for the best in horticulture is increasing accordingly. As this added knowledge of plant life is gained it becomes necessary that we keep progressing, furnishing not only better but more diversified stock, meeting present wants yet encouraging the call for more expensive stock.

EXPERIMENTAL STATIONS.

There are valuable educational factors in the working out of experiments in regard to insect pests, diseases of plants, and in solving matters which could not be handled by general horticulturists. As a trade, we are in a position to obtain bulletins, state and federal, practically free of cost, and in fact any information on any reasonable subject when it is asked for of the proper authorities. In the proposed "annual" could be incorporated a list of the experiment stations and the names of the officers to whom to refer for guidance on the various subjects of insect pests, diseases, etc. The society and its members should endeavor to aid the experiment stations in every way in their power, in order that their managements may be provided with sufficient funds that they may be in no way restricted in their researches for practical knowledge. Efforts should also be made to interest the stations in horticultural studies as well as in studies purely agricultural, to which latter they mostly incline.

The national charter granted our S. A. F. and O. H. and signed by President McKinley requires that we maintain permanent headquarters in the city of Washington. We have dodged action on this subject from year to year. It is time that we took it up, got down to business and instituted our home in that city, even though its start be on a most humble scale. Let us begin by making a beginning. We want a home there for our society. With this we should institute a prac-



JOHN YOUNG.

Re-elected Secretary Society of American Florists.

tical school of horticulture for our children and a permanent trial ground for our members. If this convention will take the necessary preliminary steps to establish such a home, this desirable institution can be brought about. What we will, we can do. The permanent headquarters should contain the offices of the secretary of the S. A. F.; our executive board meetings can be held there; it could be made the rallying point of horticulturists; and, in fact, the institution can be so handled as to create an added attraction to that Mecca of America—the city of Washington. Possessing such an institution, the society would take on additional vigor; it would add to its name and to its reputation, and would then be in a position to assert itself and its influence. There are many things this society should do, but none more important. If this matter is placed in the hands of an able committee at this present convention, I have no doubt that it will find ways and means to make an early start.

To still further advance the cause of horticulture, the subject of florists' publicity is expected to be brought before this meeting. We have many important subjects before us, none much more important than this. I simply allude to the subject in order that not one of you be absent when the matter is brought up for discussion. It is one which appeals to your pocketbooks in that it is desired to plan ways and

means whereby a much greater interest in our business may be stimulated, to the end that a still greater volume of business may be transacted. It is proposed to do this through co-operation, and I sincerely trust that a practical method of working out this idea will be evolved. For instance, if through publicity we could influence every man on the street to wear a boutonniere and every lady a corsage bouquet, can any one figure just how many cut flowers would be required daily for this one particular custom?

OVERHEAD COSTS.

Overhead costs is a subject which must appeal to us all. How many of our members have put into practice a system whereby they can tell, weekly or monthly, just what their overhead expenses amount to in actual money? There is no point more vital to success in any business than the possession of this knowledge. Houses which understand fully their overhead costs seldom go into bankruptcy; on the other hand, they will generally be found among the more prosperous of our country's establishments. By overhead costs I refer to the thousand and one expenses of a business which, being indirect, are all too often lost sight of when making a price. These overhead expenses comprise every detail of cost which is responsible for the ability to produce your goods but which do not appear as direct ex-

penses; for instance, rent, coal, original cost of building and ordinary wear and tear on same, the keeping of horses and wagons or automobiles, advertising, taxes and insurance, necessary travel, the salaries paid to all non-producers and petty expenses. In clearer words, overhead expenses consist of the non-productive factors in a business, all of which, however, have to be reckoned with and provided for in making a scale of charges for your product.

I would like to see a committee appointed on overhead costs, to be directed to present a report at the 1913 convention, with such figures and data as they could bring to bear on this progressive subject. When a man in business has the certainty that the price at which he is selling his stock includes all the indirect charges incidental to its production, he can feel that his business is being run at a profit, but with these factors unknown, it must be a case of "hit or miss." With the establishment of the cost system, we will soon be made acquainted with those stocks we are handling on which we are making a profit and those on which we do not make a profit, and as the tendency of modern business is to throw out everything on which it is impossible to make money, this knowledge, once fixed, will certainly be of untold value to all of us who lack that knowledge, and who set a price on their goods, not because they know it will pay them, but because of the fact that others are selling the same stock at an approximate price. This committee, if agreed upon, should have an appropriation of \$100 for advice from experts as to how to correctly take up the consideration of the subject.

The chairman of the National Flower Show committee will make his report at this meeting, and from what we have gathered, the same will contain much cheering information, prospects being exceedingly bright for a first class exhibition. Charles H. Totty, its chairman, having visited the great International Exhibition at London which took place toward the close of last May, has undoubtedly gathered together many pointers which will be of service to him in handling our own American enterprise. Now that a permanent flower show committee is in operation, it should not be too much to expect that before many years have rolled around this society will be enabled to successfully hold a flower show annually.

I have elsewhere mentioned that the publication of an annual by this society would be of practical value to our membership. This annual could contain, in addition to the report of the proceedings as now published annually, much material of trade value and interest. If all our national societies affiliated, the one publication might embrace the proceedings of all the societies. Additionally, could be given all the facts and data of horticultural progress from year to year, with condensed reports of the various exhibitions taking place during the year, together with fixtures for the year following. It should contain a list of American novelties seeing the light during the year and the varieties certificated by the various societies. It would necessarily have to be a progressive book; that is to say, built on the idea of a calendar, increasing in value from year to year as the data became available. The actual value

of such a book would depend, in a great measure, upon the one into whose hands it would be entrusted for publication. The cost of the work would, I believe, be met in considerable part through advertising patronage.

Inasmuch as both our great political parties now realize the fact that parcel post must become an established institution of the United States, the work which now remains is for us to assist other organized bodies in the endeavor to bring about a genuine parcel post and not a "make believe"—a parcel post institution that will be of advantage to the business men of the country, as well as to the masses, and not one that will work into the hands of the organized express or other interests. The subject is one which demands the closest attention, and I will not attempt to go into details nor advocate the passage of any particular measure now before congress or the senate, as, of the several bills now before one body or the other, there are none which are to be recommended in their entirety. I would counsel all our members to watch their daily and trade papers most carefully, and to take such action as may be recommended by these journals, assisted by their own good common sense. In this connection, it has been proven, without doubt, that if you write your congressman and senators, with conviction, a letter expressing politely but forcibly the result of your own thought in the matter, it will be given attention. My recommendation is that we pass a resolution on this floor, calling for the enactment of a parcel post bill which will give us the same low rates and privileges as to parcel post as are now being enjoyed by the people of nearly every European country. We cannot attempt to make rates, but we can protest against the charges being made so high as to render the institution of parcel post a farce.

THE TRADE PAPERS' PART.

To our trade press much is due for the advancement of horticulture in the twenty years that have passed, and for the unremitting efforts of the di-

rectors of these publications to keep us in the vanguard of events should our utmost thanks be expressed. As conducted, they keep us apprised of everything that is going on in our line throughout the entire country, often obtaining their news at great expense. Added to their educational side, they conduct business for us at extremely small returns to themselves; in fact, they act as brokers, spending the money received for advertising in efforts to improve their service to their subscribers. We have no figures showing the amount of money which changes hands as a result of the advertising contained in the columns of our trade papers, but it certainly must run up into several millions of dollars a year. The great advantage which our trade possesses over other lines of business in its use of these papers lies in the fact that it obtains direct returns from its advertising as against the very indirect and sometimes wholly unsatisfactory returns obtained by the general advertiser who may spend thousands of dollars in a campaign of education of the people, where it is only necessary for us to spend our tens.

Convention sports result in decided pleasure to a great portion of those who attend. Were it not for the sports the probabilities are that attendance at our meetings would be considerably reduced in number. It is also true that "All work and no play makes Jack a dull boy." To the sports and games there can be no objection, but these events should be arranged so as not to interfere whatsoever with the business program. For that reason, I would urge that all sports take place on the fourth day of the convention, our day of recreation. All business having been transacted, everyone could enjoy the games, whether it be a bowling match, shooting, or the races, and so on, and I believe each and every member would appreciate the privilege of being able to attend. As the sports program is now conducted, many of us cannot be present on account of other duties.

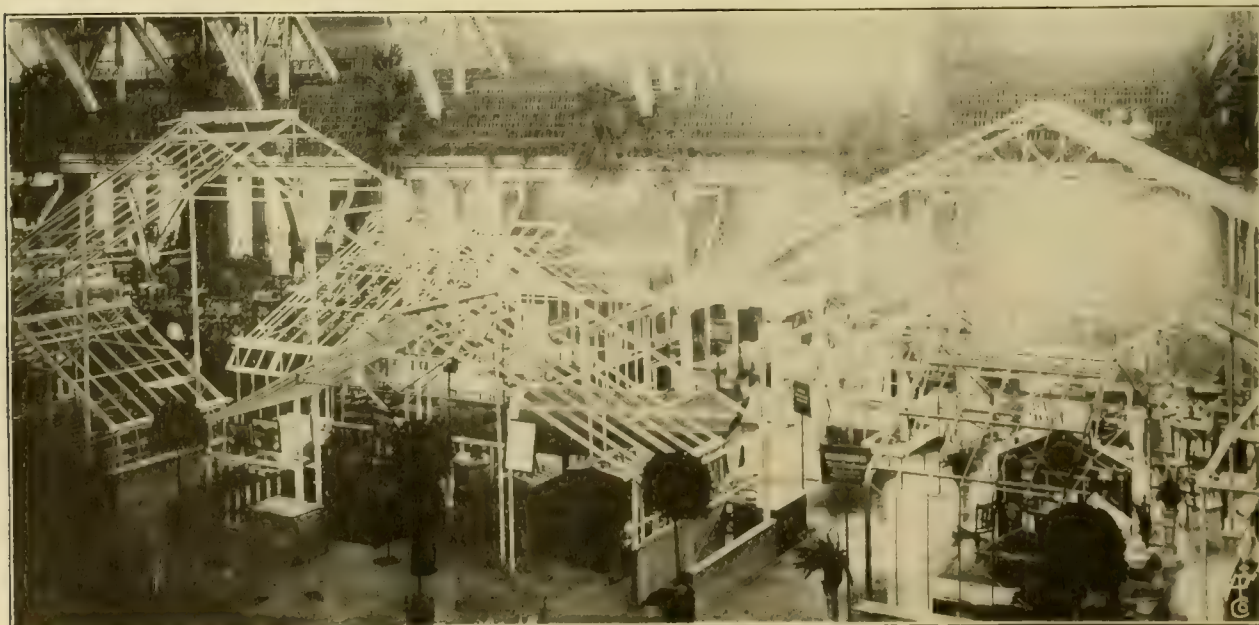
I am proud to be your presiding officer this year. Let us come together during this meeting to the material

benefit of ourselves and of all mankind, so that when we leave this wonderful city we may return home rejoicing in the knowledge gained, the friendships renewed and the new ones made, which will cement us in stronger bonds to the ends of our lives. Generosity of thought and action is an attribute of the florist, because we live close to nature, and no body of men and women anywhere stands more ready to extend a helping hand to a brother or sister in trouble. We are becoming more broad minded as we mingle with the world, more united for progress and the general distribution of our discoveries in order that our fellow tradesmen may be benefited.

Let us strive to increase the love of flowers universally not only for our own selfish or money making purpose, but for the elevation of mankind. Neither should we confine our efforts to our own country, but let us make use of them freely wherever we can extend our cult from country to country the world over, in the endeavor to bring about the peace and good will which will ultimately reign throughout the world and bring us into one brotherhood of communion and fellowship. I thank you yet again for your attention and your welcome.

Secretary and Treasurer Report.

Secretary John Young, of New York City, read his report, showing the financial operations of his office, and also the condition of the membership, trade exhibition, plant registration, medals awarded during year, new members admitted, members deceased during the year, acknowledgments to trade press for courtesies, etc. The report showed that since January 1, 1912, to August 15, there were added to the membership list 135 annual and 31 life members. The present trade exhibition he stated surpassed anything of the kind heretofore attempted, and the net receipts to the S. A. F. will probably double those of the Baltimore convention. The report contained a list of those members who have sent in names of new members during the year.



PARTIAL VIEW OF THE EXHIBITS AT THE S. A. F. CONVENTION, CHICAGO, AUGUST 20-23, 1912.



GENERAL VIEW OF THE EXHIBITION HALL AT THE S. A. F. CONVENTION, CHICAGO, AUGUST 20-23, 1912.

Wm. F. Kasting, of Buffalo, N. Y., submitted his report as treasurer, showing a healthy condition of the finances and satisfactorily and fully accounting for all moneys in his hands. The report was accepted.

William F. Gude, Washington representative of the S. A. F., presented his report, recounting his work in appearing before the house committee on post offices and post roads, and advocating a parcel post bill for the merchants of the United States at least as good as that accorded to other nations, and also in appearing before the sub-committee of the senate committee on post roads, of which Senator Jonathan Bourne, Jr., is chairman. He had also had a conference with Speaker Clark of the house of representatives, whom he had found very courteous and apparently favorable to the providing of better postal facilities for the citizens of the United States.

Secretary Young's Report.

The books and other properties pertaining to the secretary's office were turned over by the outgoing secretary early in January. The books were all in good order and accompanied by an inventory covering the property of the society that is in the possession of the secretary.

MEMBERSHIP.

From January 1, 1912, to August 15, 1912, there has been added to the list the names of 135 annual members and 31 life members. Following the rec-

ommendations of the board of directors, a circular letter was sent to each name in the Florists' Directory, setting forth the advantages of being a member of this society. With this letter was enclosed a copy of the official program of this meeting and an invitation from the Chicago Trades committee to attend this convention; also an application blank. Very gratifying results are being shown.

CONDITION OF THE FINANCES.

The finances are in fair condition. The permanent or life membership fund, since the last convention, has been increased by the sum of \$1,425. The fees for new members amounted to \$390. The permanent fund has reached the sum of \$11,125.15.

TRADE EXHIBITION.

The trade exhibition held at the time of the convention is growing in importance each year. At Baltimore the receipts of this adjunct, managed by Mack Richmond, were \$3,808.05 and the expenditures \$1,550.31, the net proceeds turned into the permanent fund of the society being \$2,258.19. The present trade exhibition has surpassed anything of the kind ever attempted, and the net proceeds should almost double those of the Baltimore convention. It will be well for the members to pause and think of the varied interests and high quality of the exhibits in the main hall. The secretary finds that much of the printed matter and material purchased for use at this exhibition can

be saved and used again next year. Without question many economies can be practiced for the next convention.

TRANSPORTATION.

Application for rates was made to all the passenger associations, and refused. They will pay no attention to such requests unless an attendance of 1,000 is guaranteed.

PLANT REGISTRATION.

The following plants have been registered since the last convention:

No. 472—September 21, 1911, Begonia, "Feastii Bunchii," by Lloyd C. Bunch, Fredonia, Kansas.

No. 473—October 7, 1911, Rose, "Oriole," by Jackson & Perkins, Newark, N. Y. No. 474—October 7, 1911, Rose, "Genevieve Clark," by Jackson & Perkins, Newark, N. Y. No. 475—October 7, 1911, Rose, "Sunshine," by Jackson & Perkins, Newark, N. Y. No. 476—October 5, 1911, Rose, "Double Improved White Killarney," by S. J. Reuter & Son, Westerly, R. I. No. 492—May 11, 1912, Rose, "Killarney Brilliant," by Robert Scott & Son, Sharon Hill, Pa.

No. 477—October 5, 1911, Althæa, "Wm. P. Smith," by Henry A. Dreer, Inc., Philadelphia, Pa.

No. 478—November 30, 1911, Geranium, "General Wayne," by F. H. DeWitt, Wooster, Ohio. No. 479—November 30, 1911, Geranium, "Aviator Rodgers," by F. H. DeWitt, Wooster, Ohio. No. 480—November 30, 1911, Geranium, "Dr. Wylie," by F. H. DeWitt,

Wooster, Ohio. No. 481—November 30, 1911, Geranium, "Aviator Atwood," by F. H. DeWitt, Wooster, Ohio. No. 491—March 22, 1912, Geranium, "Mrs. E. D. Curtis," by Curtis Floral Co., 515 S. Main St., Hampton, Iowa. No. 494—June 28, 1912, Geranium, "Helen Michell," by Henry F. Michell & Co., Philadelphia, Pa.

No. 482—November 30, 1911, Canna, "Conowingo," by the Conard & Jones Co., West Grove, Pa. No. 483—November 30, 1911, Canna, "Splendor," by the Conard & Jones Co., West Grove, Pa. No. 484—November 30, 1911, Canna, "Wabash," by the Conard & Jones Co., West Grove, Pa. No. 485—November 30, 1911, Canna, "Beacon," by the Conard & Jones Co., West Grove, Pa. No. 486—November 30, 1911, Canna, "Kate P. Deemer," by the Conard & Jones Co., West Grove, Pa.

No. 487—February 5, 1912, Orchid, "Lælia Anceps, var Lageriana," by Lager & Hurrell, Summit, N. J.

No. 488—February 22, 1912, Carnation, "Commodore," by the E. G. Hill Co., Richmond, Ind.

No. 489—March 9, 1912, Gladiolus, "American Wonder," by H. W. Koerner, Milwaukee, Wis. No. 490—March 9, 1912, Gladiolus, "American Giant," by H. W. Koerner, Milwaukee, Wis.

No. 493—April 27, 1912, Fern, "Pteris Cretica Andersonii," by J. F. Anderson, Short Hills, N. J.

MEDALS.

The following medals were awarded during the year: Silver Medal—F. Dorner & Sons Co., Lafayette, Ind., for carnation "Rosette," offered through the American Carnation Society at its annual meeting held in Detroit. Bronze Medal—E. G. Hill & Co., Richmond, Ind., for carnation "Commodore," offered through the American Carnation Society, at Detroit. Silver Medal—J. A. Peterson, Cincinnati, Ohio, for Begonia "Westwood," offered through the Cincinnati Florists' Society at their exhibition in Cincinnati, November, 1911. Bronze Medal—R. Witterstaetter, Cincinnati, Ohio, for carnation "President J. A. Valentine," offered through the Cincinnati Florists' Society at their exhibition held in Cincinnati, November, 1911. There were also three silver and three bronze medals offered at the International Exposition in London for plants and flowers of American origin. The secretary has not yet been notified to whom these medals were awarded.

NEW MEMBERS.

Since the first of January, 1912, the following have sent in one or more names for membership: W. P. Patterson, Jr., state vice-president Alabama, 3; H. E. Philpot, state vice-president Winnipeg, Canada, 4; Charles P. Dudley, state vice president West Virginia, 1; Florists' Telegraph Delivery, 1; Aug. Pohlman, vice-president, S. A. F., 1; President R. Vincent, Jr., life member, 1; President R. Vincent, Jr., annual member, 1; J. G. Esler (Hail Ass'n), 1; G. W. Bartholomew, 1; Dan MacRorie, state vice-president California, North, life members, 6, annual members, 35; Edw. Amerpohl, 1; Frank H. Traendly, life members, 5; C. A. Moss, vice-president South Carolina, 1; F. H. Weber, state vice-president Missouri, 5; F. Lautenschlager, state vice-president Illinois, North, life member, 1, annual members, 4; Wm. F. Kasting, annual member, 1; Jno. Evans, life member, 1; H. G. Berning, annual member, 1; J. E. Matthewson, state vice-president Wisconsin, 1;

Aug. R. Baumer, state vice-president Kentucky, 2; Nic Zweifel, state vice president Wisconsin, South, 1; J. F. Amman, state vice-president Illinois, South, 1; A. T. Pyfer, 1; J. R. Bather, 1; W. N. Rudd, 1; M. Barker, 8; Jean F. Huss, 1; A. L. Miller, state vice-president, New York, East, 1; Vaughan's Seed Store, 1; I. Bertermann, state vice-president Indiana, 1; C. E. Critchell, state vice-president Ohio, 2.

NECROLOGY.

Since the last convention the following members have died:

E. A. Mosely.
I. L. Powell
Fred Ehret.
C. A. Juengel.
J. Labo.
J. Pettigrew.
J. F. Wilcox.
J. R. Freeman.
W. H. Moon.
Frank Piorkovski.
Wm. Bester.
Charles Knopf.
W. R. Smith, ex-president and father of the charter of the society.

TRADE PRESS.

The trade press continues to publish all items of interest sent from the secretary's office and publishes all reports of the proceedings of the society; also to furnish complimentary copies of their publications for the use of the secretary.

SECRETARY'S OFFICE.

The work of the secretary has been very interesting and fascinating. I desire to thank publicly the officers and members of the society who have assisted me at all times with their advice and good council, which has made the work so much lighter and pleasant.

Treasurer Kasting's Report.

The report of Treasurer William F. Kasting showed the society to be in a good condition financially. The figures are as follows:

GENERAL FUND.

The balance on hand January 15, 1912, \$9,308.07; the receipts to August 1 were \$3,351.58. The disbursements

were \$3,056.63, leaving a balance of \$9,603.02, which is invested in various banks specifically stated in the report.

PERMANENT FUNDS.

The permanent fund receipts to August 1 were \$1,112.57, making a balance of \$13,050.43 and a grand total of the two funds of \$22,653.45.

Wm. F. Gude's Report.

Mr. Gude's report in full, which was accepted as read, was as follows:

Mr. President, Ladies and Gentlemen:

During the past year I appeared before the committee on post offices and post roads of the house of representatives several times, advocating a parcel post bill for the merchants of the United States at least as good as that accorded other nations. I also appeared before the sub-committee of the senate committee on post roads, of which Senator Jonathan Bourne, Jr., is chairman. I made the case as clear as I could on behalf of this society, and kindred organizations, that we wanted a parcels post that would give the greatest good to the greatest number. I have followed up my interviews by letters directed to members of the committees, and also through interviews with the secretary of the Washington chamber of commerce, Thomas Grant, who assisted me very materially in my interviews in the house and senate. I also had a conference with Speaker Clark, who was very courteous and was apparently very much in favor of securing better postal facilities for the citizens of the United States.

The present bill before congress known as the Bourne bill, which passed the senate, contains an objectionable clause in that it might seriously interfere with the seed trade of the United States. I was advised last week that it could never pass the house in its present shape, and the prospects are better today than they ever have been for securing parcels post legislation commensurate with the mail order business of the United States.

On Sunday morning, July 7, the floral world was shocked by the announcement of the death of our venerable friend, Wm. R. Smith, the father of our charter, who passed away at an



ROBT. CRAIG CO.'S EXHIBIT AT THE S. A. F. CONVENTION, CHICAGO, AUG. 20-23, 1912.



POEHLMANN BROS. CO.'S STORE DURING CHICAGO CONVENTION.

early hour in his cottage at the Botanic Gardens, where he had lived for more than sixty years. The end came peacefully after an illness of eight months. The sad duty of making the final arrangements for the burial services and interment in Rock Creek cemetery was delegated to me, as it was the wish of Wm. R. Smith, often expressed while living, that I should look after this for him. I immediately telegraphed the president of this society as well as all past presidents. The president, Richard Vincent, Jr., and Past President Robt. Craig and Past President F. R. Pierson attended the funeral services. Telegrams and letters of sympathy also were received from nearly all past presidents.

The funeral services were held from the Scottish Rite Cathedral, Tuesday afternoon, July 9, at 3 p. m. The body was laid to final rest in Rock Creek cemetery with Masonic honors. A number of members as well as ex-presidents of this society were present. Mr. Smith while living often expressed the desire that this society should have a suitable home at the national capital, and I indulge the hope that at this meeting a committee may be appointed to look into the advisability of establishing a permanent home at the national capital, for the S. A. F. and O. H., which might be made a suitable memorial to our late honored member.

WM. F. GUDE,

Representative S. A. F.

At a later stage of the proceedings Mr. Gude asked leave and was given unanimous consent to present the following resolution, which was adopted by unanimous vote, the convention ris-

ing to evince their deep reverence for the memory of Past President William R. Smith:

The Smith Resolutions.

Whereas, The late William R. Smith, the father of our charter, an honored member of this organization, was for the greater part of his life a resident of the national capital, where he devoted the best efforts of his noble mind to the uplifting of the florists' calling, and for the benefit of humanity, and

Whereas, It is proposed to erect a monument to his memory in the nation's capital; therefore be it

Resolved, That the president of the Society of American Florists and Ornamental Horticulturists appoint a committee of five members who shall consider the question of erecting a memorial in Washington, D. C., commensurate with the magnanimous and self-sacrificing life of the late William R. Smith, and to serve as a fitting inspiration to future generations to emulate his great work as a horticulturist; and be it further

Resolved, That said committee report within the week of this convention.

Benjamin Hammond, Fishkill-on-Hudson, N. Y., chairman of the committee on school gardens, read the report of that committee.

Tuesday Afternoon Session.

The afternoon session Tuesday was called to order by President Vincent. Wm. Gourlay, assistant to the general manager of the American Express Company, addressed the convention briefly on the subject of express fa-

cilities for florists, and assured the convention that his company was desirous of according all possible accommodations in the way of prompt collections and deliveries, and forwarding on special trains in case of funerals or weddings when regular trains did not fit the case. They keep special wagons on call at all times and would try properly to handle this class of business, he said. He advised that packages intended for weddings and funerals be so marked as to facilitate attention to them. His company will co-operate in all ways possible to insure prompt service. He believed that the American Express Company took as good care of the florists as they did of any others, if not a little better, and would send shipments in care of baggage master or conductor of trains whenever necessary. They were prepared to handle the business at any hour of the day. He cautioned shippers to be sure to send specific instructions as to the disposition to be made with all c. o. d. shipments in case of their being refused. As to rates, he believed that they were at present satisfactory on cut flowers and plants and he would be pleased to answer any inquiries.

Mr. Gourlay was asked whether it was true that the express companies proposed to withdraw their present rates on plants, etc., and he replied that he did not believe this to be the case; at any rate he had had no such intimation. Mr. Gude stated that he was glad to announce that the American Express Co. had established an agency at Washington, D. C., but wanted to know why it was that Wash-

ington shippers had so much trouble to secure quick deliveries or forwarding, on other than regular trains, packages of flowers, etc., destined to points south, stating that on application for forwarding such shipments on other than express trains this accommodation had been refused by the express companies on the ground that it was contrary to the regulations of the Interstate Commerce Commission. He asked Mr. Gourlay if the Interstate Commerce Commission had made any such ruling. Mr. Gourlay replied that he knew of no such regulation, and so far as he knew there is no reason why the express companies should decline to forward by baggage master on that account, that there could be absolutely no interference with the granting of such accommodations so far as the Interstate Commerce Commission was concerned.

On motion of Mr. Dorner, a vote of thanks was tendered Mr. Gourlay for his talk. Pursuant to the recommendation of the executive committee, the reports of the botanist, Prof. A. C. Bell; the pathologist, Prof. H. H. Whetzel, and the entomologist, Prof. Thos. B. Symons, were considered read and ordered incorporated in the proceedings.

The National Flower Show.

Charles H. Totty, of Madison, N. J., chairman of the committee on the National Flower Show, submitted the report of that committee, recounting the preliminaries which led up to the invitation being extended by the New York Florists' Club to the S. A. F. to hold a flower show in New York City in the spring of 1913, the invitation being accepted and the committee appointed to conduct the show being W. N. Rudd, W. A. Manda, Thos. Roland, W. P. Craig and J. A. Valentine. This committee, after satisfying themselves of the expediency and propriety of so doing, had closed a contract with the International Exposition Co. of New York City. The co-operation of the American Rose Society, the American Carnation Society, and other subsidiary societies had been solicited and certain concessions made them, and it was confidently expected that they would all co-operate and bring to the show a considerable quantity of special premiums on their own account in addition to what had been underwritten for them. The National Association of Gardeners and members of other local horticultural

societies of New York, New Jersey and Connecticut, have pledged their support, and the outlook for the Third International Flower Show is now very bright.

Preliminary schedules have been prepared and mailed to every member of the S. A. F., and the final schedules will be ready just as soon as the list of prizes is received from the various societies participating. The following have been named as a local committee: F. H. Traendly, Walter F. Sheridan, Wm. H. Duckham, Harry A. Bunyard and Jos. A. Manda. This committee held meetings every week last spring until everything was well organized and under way. Cash contributions have been received from a number of wealthy people in New York and vicinity interested in the show, and from quite a number of commercial men who have shown much interest and are offering special premiums. From these two sources there has been received nearly \$3,000, and besides this the following cups and medals have been promised: Four silver cups, two gold medals, six silver medals, five bronze medals and \$15 worth of bulbs. Other prizes will be offered by subordinate societies not yet reported.

Each society may appoint its own judges for its section, men familiar with the product and whose judgment can be relied upon as accurate. The flower show committee feels that each society should be allowed wide latitude in its own department, and with every one working harmoniously to the same end the third International Flower Show should be by far the greatest yet held, and prove a valuable aid in affiliating the different societies with the S. A. F., besides benefiting every florist in the land. Co-operation is the life of modern business, and these exhibitions will eventually become so great a factor in the florists' industry that no live florist can afford to ignore them or be not represented. Every member is urged to feel a direct personal interest in this show. A further encouraging sign is the interest being taken by foreign exhibitors. Every man who has anything to sell the public will find it to his advantage to be represented by taking as much space as he can and exhibiting in the competitive classes, for New York and its vicinity furnish the greatest buying market of horticultural products in the world today. Further discussion

of this matter, if any should be desired, was passed until later to allow time for programme matters to be first disposed of, the report having been taken up out of its regular turn.

Minutes Read and Approved.

The minutes of the executive committee meetings held during the year were now read, and without objection approved. The proposed amendment to Article V of the constitution and by-laws providing that in future the location of the place of annual meeting shall be determined by ballot at the evening session of the first day of the annual convention was now read, and adopted unanimously, on motion of Past President Asmus. A cordial invitation was extended to all visiting members and others to inspect Vaughan's greenhouses at Western Springs and Bassett & Washburn's at Hinsdale, time of trains being announced, leaving Wednesday morning, returning so as to arrive at the Union depot in plenty of time to take the train for Poehlmann Bros.' range at Morton Grove.

The auditing committee was announced as follows: Walter F. Sheridan, W. W. Coles, P. Welsh, Harry Balsley and Wm. Duckham. Tellers of election as follows: Robt. L. Graham, Fred H. Meinhardt, C. H. Maynard, I. Hendrickson and C. E. Critchell. The convention now adjourned to 3 p. m.

The Next Meeting.

Invitations for the next place of annual meeting was the next order of business. A letter from the St. Louis convention bureau was read by Secretary Young. W. A. Manda nominated Atlantic City, N. J., and Wm. F. Kasting nominated Saratoga, N. Y. A question being raised as to whether the convention could pass upon the matter legally until the evening session, the convention now adjourned until 4:15 p. m., when consideration of this matter was resumed. Mr. Manda renewed his nomination of Atlantic City. E. G. Asmus called attention to the fact that the National Flower Show to be held in New York City in March would call for support from that section largely and it would not be best to hold the convention at so near a point so closely following the show. He believed it would be detrimental to the convention and the show and would detract from the support accorded one or the other by exhibitors. He further believed that there were too many



BASSETT & WASHBURN'S NEW RANGE AT GREGG'S STATION, ILL., IN COURSE OF CONSTRUCTION.

counter attractions at Atlantic City. John Westcott called attention to the difficulty of securing hotel accommodations at Atlantic City during the height of the hot season, and if it had to come in that neighborhood he would prefer it to come to Philadelphia, since the arrangements would naturally fall upon the Philadelphians anyhow, which they had always been willing to do to the best of their ability, but he did not favor Atlantic City.

Mr. Kasting believed that the twin cities of Minneapolis and St. Paul would be better for the interests of the S. A. F. and he seconded the nomination of Minneapolis, Minn., for next annual meeting. Mr. Ebel, who at first had seconded Mr. Manda's nomination of Atlantic City, now withdrew his second, believing that it would not be practicable to get proper accommoda-

tion from Chas. C. Moore, president of the Panama-Pacific International Exposition, San Francisco, advising that he had delegated Angelo J. Rossi, D. MacRorie and H. Plath of San Francisco, Calif., to appear before the S. A. F. convention at Chicago as the representatives of the president of the Panama-Pacific International Exposition to extend in his name to the members of the S. A. F. an invitation on behalf of the exposition, to hold the 1915 convention and asking for them the courtesy of a hearing. Mr. Kasting moved that the privilege of the floor be at this time accorded Mr. Rossi to present the invitation, and the motion was seconded and carried unanimously.

Mr. Rossi addressed the convention briefly, extending a cordial invitation to hold the 1915 convention in his city, and presenting also a formal invitation

1915 conventions at San Francisco, and lastly he extended an invitation from the Pacific Coast Horticultural Society, assuring the convention that nothing would be left undone by them to render the convention most enjoyable. He recounted the climatic, scenic and other advantages of the state of California, and told of the 1,300 San Francisco hotels all ready to furnish first-class accommodations. He felt embarrassed in praising California, he said, because he was a native born Californian, but he hoped that some of the members present from other states would relieve him from this embarrassment by seconding the invitation and backing it up with a statement of the favorable conditions in his state. Mr. Kasting came nobly to the rescue, and confirmed all that Mr. Rossi had said, and averred that he believed the society could afford to treat itself to the luxury of a California trip at least upon this extraordinary occasion. He therefore moved that it be the sense of the convention that the 1915 convention be held at San Francisco, Calif. The motion carried unanimously.

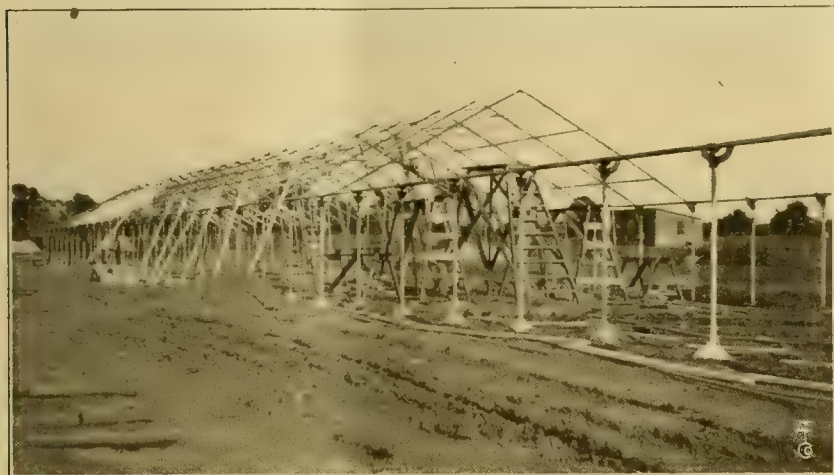
On motion of Mr. Simmons it was voted that the reports of various state vice-presidents be considered as read, and incorporated in the regular printed proceedings of the convention. On motion the convention now adjourned to 8 p. m., to hold a reception to President Vincent at the Auditorium Hotel, the next regular session of the convention opening at 10 a. m. Wednesday, at the Coliseum.

President's Reception.

The president's reception at the Auditorium hotel on Tuesday evening was very well attended and everyone present had a most enjoyable time. The Chicago Florists' Club quartette rendered several fine selections and was heartily applauded at the conclusion of each. Vice-President Duncan A. Robertson, of the Chicago Florists' Club, assisted by Chas. W. McKellar, Fred Lautenschlager and S. A. Jamieson, had all the arrangements in charge.

Wednesday's Proceedings.

At the opening session the committee on president's address presented its report.



BASSETT & WASHBURN'S NEW RANGE AT GREGG'S STATION, ILL.

tions at Atlantic City during August, and also that the National Flower Show held at New York would make the selection of Atlantic City not expedient. This left in nomination only Minneapolis, and that city was, on motion of Mr. Bunyard, selected as the 1913 convention city, the secretary so casting the ballot.

AMENDMENTS LAID ON TABLE.

E. G. Hill suggested that tents might be purchased to save hall rent, when holding the conventions hereafter. Certain proposed amendments were now taken up and discussed at some length, and after sundry parliamentary points had been raised and various views presented, it was voted, on motion of Mr. Manda, to lay on the table until next year the amendments providing for changing the secretary's office from elective to appointive, and dropping the secretary from membership on the executive committee. The proposed amendment to article V, section 5, also received the same disposition.

As a substitute motion for the resolution offered to change the records of the proceedings of the society for the year 1909 in convention at Cincinnati, Ohio, the following was adopted on motion of P. O'Mara: That no man shall be known as a pioneer member unless he was a member of the Society of American Florists in 1885 and paid S. A. F. dues for twenty-five consecutive years from that date.

SAN FRANCISCO IN 1915.

Secretary Young read a communica-

tion from the president and directors of the Panama-Pacific Universal Exposition, handsomely engrossed on parchment; also an invitation from Felton Taylor, secretary of the San Francisco Convention League, to the same effect. Mr. Rossi stated that up to date some 160 fraternal and commercial organizations had signified their intention of holding



BASSETT & WASHBURN'S NEW RANGE AT GREGG'S STATION, ILL.

Report on President's Address.

Your committee on the president's address endorses President Vincent's suggestion that more weight would be given to the recommendations if the executive board of the members of this society were more fully advised concerning the arguments advanced in the meetings of the board and to that end would recommend that a brief of such arguments should be given to the trade papers when the report of the board meetings is handed out.

We recommend that the president be authorized to appoint a committee to consider the question of affiliation with horticultural societies and florists' clubs, such committee to report at the next annual convention and we believe that such a report would prove an interesting topic for discussion. We agree with the president's strong endorsement of the interesting trade exhibit and we believe that space rates should be carefully considered for each convention, to the end that our exhibit be not at any time embarrassed by excessive expenses.

We believe that this society is not giving sufficient attention to the tariff and legislative section of our public work, and we believe that five hundred dollars or more should be appropriated for legal services and expenses to watch and guard our interests along these lines—this would also apply to postal reforms.

While appreciating the desirability of permanent headquarters and a school of horticulture, we feel that this society is not yet in a position to undertake such expensive enterprises.

We heartily approve the suggestion that a committee be appointed to investigate and report upon the subject of overhead costs, with such an appropriation as may be needed, not exceeding one hundred dollars.

A careful report might save scores of our younger members from bankruptcy and be a benefit to all our members by showing the danger of selling stocks for less than cost. Respectfully submitted,

J. A. VALENTINE, OTTO THILOW, JOHN ESLER, J. C. VAUGHAN, P. WELCH, Committee.

L. W. C. Tuthill then read his excellent paper on "Advertising, Some Wrongs to Make Right," which was well received by the large audience.

The nomination of officers being next in order, Vice-President August Pochmann nominated J. K. M. L. Farquhar, of Boston, Mass., and J. A. Valentine nominated Judge Vesey, of Fort Wayne, Ind.

For vice-president, Theodore Wirth, Minneapolis, Minn., was nominated by Wm. J. Stewart

For secretary, John Young, New York, was nominated by Geo. Asmus.

For treasurer, Wm. F. Kasting, Buffalo, N. Y., was nominated by W. N. Rudd.

President Vincent announced the appointment of committees as follows:

Committee on Wm. R. Smith Memorial—W. F. Gude; J. K. M. L. Farquhar, J. A. Valentine, Harry Papworth, and R. Vincent, with power to add to the committee from every state in the Union.

Committee on Overhead Costs—Wallace R. Pierson, A. T. De La Mare and C. E. Critchell.

Committee on Local Societies—J. F. Ammann, J. Otto Thilow and Joseph A. Manda.

Committee on Publicity—Irwin Bertermann, Nic Zweifel, Albert M. Herr and E. A. Scribner.

F. C. W. Brown's Lecture.

One of the most interesting features of the convention to the retail florist was the illustrated lecture of F. C. W. Brown on the arrangement of cut flowers. Mr. Brown's ability as an artist in floral arrangement is well known, he having had a large experience in Canada and with the best houses of the United States. He is also a fine photographer and this combination enabled him to give to the convention such results as have seldom if ever been seen before.

His photographs were thrown on the screen with a dissolving lantern, the films were colored true to nature and their arrangement was most artistic. His lecture was full of very instructive points, showing, first, designs and arrangements of cut flowers that were badly put together and why, and these views would dissolve into more perfect ones and finally they were seen presenting an artistic finish.

A bride's shower bunch was a dream and other loose arrangements showed the master hand in their simple construction. Simplicity and the avoidance of crowding too many flowers together was particularly emphasized. The use and abuse of ribbons was brought out in design work and also in decorating plant and flower baskets. In fact, the whole lecture was very instructive, completely covering the ground of floral arrangements. His audience filled the hall and showed their appreciation by the very hearty applause he was given at the close of his address.

for president, withdrew in favor of Mr. Farquhar, deeming it best that the society be headed by an eastern man for the next year.

The Exhibition.

The Coliseum was an ideal place to stage the exhibits, its immense floor area allowing an equal point of vantage to all. There were no gallery spaces, no dark corners, no stairs to climb, and there was splendid light and air during the day and grand illumination at night.

The gallery railing was decorated with wild smilax and palm leaves. Bay trees were stood along the aisles and in spaces where they would add a decorative effect. The Chicago park system arranged several large groups of palms and ornamental plants down the center of the hall, together with two large beds of scarlet geraniums and one of scarlet cannas, which added a brilliant color effect. The large displays of gladioli made by a number of exhibitors also presented a beautiful appearance with their masses of color.

The exhibits of well-grown palms, ferns and other foliage plants, samples of the stock offered for sale by growers from various parts of the country, were exceptionally fine and gained the admiration of many visitors, who did more than admire, judging from the way the orders were being given. The florists' supply men vied with each other in their displays and the extent of some of the stocks and the care taken in their arrangement showed how important they regarded this opportunity of meeting the trade. The greenhouse construction interests had also gone to much trouble and expense in erecting sections of large and small houses, showing details of construction of every part, ventilating, eaves, gutters, sills; in fact, every point of interest seemed to be brought out.



WASHINGTON PARK, CHICAGO.

Election of Officers.

The election of officers was held Thursday morning and resulted in the choice of J. K. M. L. Farquhar, Boston, Mass., for president, and Theodore Wirth, Minneapolis, Minn., for vice-president. Secretary John Young and Treasurer William F. Kasting were both continued in office. W. J. Vesey, of Ft. Wayne, Ind., also a candidate

Heating was also a feature, and all sorts of boilers, from one that would heat 50,000 feet down to the smallest size, were to be seen. Greenhouse benches of pecky cypress with iron frames, and others of the indestructible cement were of great interest. Watering systems with pumps and pressure appliances, as well as a good supply of hose by the rubber men, were seen in



LADIES' SOCIETY OF AMERICAN FLORISTS AT THE SOUTH SHORE COUNTRY CLUB, CHICAGO, AUGUST, 22.

elaborately decorated booths. The pot and jardiniere men made large exhibits, from the standard greenhouse staples to the most elegantly formed and colored vases and pedestals for the decoration of the house.

Ice machines for cooling and refrigerators that would fit in with the fixtures of the best stores showed the growth of the business. Greenhouse paints, putty, oils and all wood and iron preservatives had a section. Insecticides and spraying machines, all kinds of fertilizers and plant foods were offered. The bulb men displayed quantities of freshly imported stock; in fact, there was scarcely a standard stock of any kind that was not to be found at this great exhibition, which is probably the best arranged and most complete of any ever held by the society. The following is a full list of the exhibitors:

The Trade Exhibitors.

The Robert Craig Co., Philadelphia and Norwood, Pa., collection of crotons, ferns dracenas, *Ficus pandurata* and other foliage plants; also new rubbers *Ficus utilis* and *F. Chauverii*.

George Wittbold Co., Chicago, kentias and other palms and cibotium ferns.

Jos. Heacock Co., Wyncote, Pa., specimen kentias and cibotium ferns.

Storrs & Harrison Co., Painesville, O., 2¼-inch ferns, dracenas, araucarias, adiantum ferns, and roses from the field.

Lager & Hurrell, Summit, N. J., collection of orchids, including a cattleya hybrid, *Trianae* x *C. Schilleriana*, two hybrid cypripedium, *C. Mahlerae* x *C. Frau Ida Brandt*.

Frank Oechslein, Chicago, Kentias, Boston ferns and Araucarias in medium sizes.

Knight & Struck, New York, table of heather in assortment; *chironia erifern*, a new flowering plant from Australia.

Vaughan's Seed Store, Chicago, ferns, dracenas, assorted palms and other foliage plants.

W. A. Manda, South Orange, N. J., the gold medal fern *Polypodium Maudslayi*, an impressive novelty; fancy evergreens, golden privet, palms, dra-

cenas, glory fern and a crested form of *Nephrolepis tuberosa*, polystichium, varium (new), cattleyas in flower. Arranged vase showing use of *Polypodium Maudslayi* with anthurium and a collection of anthurium in flower.

Estate of Lemuel Ball, Philadelphia, Pa., Kentias Belmoreana and Fosteriana, Phoenix Roebelenii and Cocus weddelliana.

S. A. Anderson, Buffalo, N. Y., Begonia Gloire de Lorraine and artificial poinsettias.

Wm. Scott Co., Buffalo, N. Y., table of Begonia Gloire de Lorraine.

H. A. Dreer, Philadelphia, Kentias, Phoenix roebelenii Cocus and Pandanus, table of the "Glory" fern, Adiantum Farleyense gloriosa, a new fern for cutting, 2¼-inch florists' ferns in large assortment, Cibotium scheidei, cyrtomium rochfordiana and Araucarias in varieties.

C. D. Ball, Holmesburg, Pa., Kentias, arecas and Phoenix Roebelenii.

Jackson & Perkins, Newark, N. Y., roses from open ground, hydrangeas, pot grown and assorted shrubbery.

F. R. Pierson Co., Tarrytown, N. Y., collection of specimen ferns, including new Boston and N. muscosa, the moss fern.

C. C. Pollworth & Co., Milwaukee, palms, ferns, araucarias and other foliage plants and an assortment of freshly imported Holland bulbs; also supplies of ribbons, chiffons, vases, wire work, etc.

Pöhlmann Bros. Co., Chicago, collection of palms, ferns, pandanus and other ornamental plants.

Chas. Eble, New Orleans, La., hardy decorative palms and Phoenix in variety.

Michell's Seed House, Philadelphia, Pa., collection of Dutch and French bulbs, new gladiolus in cut blooms, moss, plant tubs and Harrigan sprayer.

R. & J. Farquhar & Co., Boston, Mass., Dutch and French bulbs.

F. R. Pierson, Tarrytown, N. Y., Dutch and French bulbs.

H. N. Bruns, Chicago, lilies of the valley, showing pips in bundles, in pots in blossom and cut in vases.

J. A. Peterson, Cincinnati, dracena Victoria, begonia Cincinnati, Adiantum Farleyense, Pandanus Veitchii.

A. E. Kundered, Goshen, Ind., new ruffled gladiolus.

John Lewis Childs, Flowerfield, N. Y., 200 vases gladioli in 125 varieties, including Panama, a fine new pink.

Arthur Cowee, Berlin, N. Y., large collection of gladioli, including many seedlings of great merit.

Vaughan's Seed Store, Chicago, display of gladioli, herbaceous phlox, larkspur, a lilac seedling; also a large collection of French and Dutch bulbs, and Formosum lilies.

W. W. Barnard Co., Chicago, French and Dutch bulbs; also Liliun Formosum and Harrisii, and a large table of garden requisites.

Cushman Gladiolus Co., Sylvania, O., arranged baskets of gladioli, including Klondyke and Mrs. Frances King; also a collection of fine blooms, assorted varieties, including Farie, a new pink.

George D. Black, Independence, Iowa, new variety Golden King.

George S. Woodruff, Independence, Iowa, Queenly, a new white, dark throat.

A. Henderson & Co., Chicago, Dutch and French bulbs, L. Formosum and valley pips.

A. L. Randall Co., Chicago, decorated office space with large floor vases of assorted choice gladioli.

H. W. Koerner, Milwaukee, Wis., display new giant hybrid gladiolus, Chelsi x Gandavensis, and a new carnation support.

S. S. Pennock-Meehan Co., elaborate display of fine florists' ribbons and chiffons.

Bayersdorfer & Co., Philadelphia, Pa., 1,100 square feet of florists' supplies, baskets in all forms and of varied colors and materials; special designs in chinaware, metal and artificial wreaths.

Pöhlmann Bros. Co., Chicago, display of prepared oak sprays and ruscas in all colors.

The Botanical Decorating Co., Chicago, artificial flowers and prepared foliage.

L. Bauman Co., Chicago, large assortment of imported cut flower and plant baskets, artificial flowers and foliage, metal and cypas wreaths.

M. Rice & Co., Philadelphia, Pa., dis-

play of assorted high-class cut flower and plant baskets, vases and Florentine art ware and reed and willow baskets in iridescent colorings; also ribbons and chiffons, rattan electric lamp stands and other novelties.

Wertheimer Bros., New York, sprinkle-proof ribbons and chiffons, ribbon and cord tassels and waterproof chiffon corsage shields.

Schloss Brothers, New York, ribbons and chiffons, corsage bows, cords, tassels, corsage shields and fancy bouquet holders.

Lion & Company, New York, large display of florists' ribbons and chiffons, corsage shields and corsage ribbon and cord tassels, in two-tone and iridescent colorings; colonial corsage cup, a stem holder to fit on handles of corsage bouquets to hold water.

Sefton Manufacturing Co., Chicago, florists' corrugated shipping boxes; also folding cut flower and violet boxes.

A. A. Arnold, Chicago, folding cut flower boxes and set-up corsage boxes in fancy colorings.

Raedlein Basket Co., Chicago, reed and willow baskets, some with raised flower work.

Burlington Willowware Shops, Burlington, Iowa, fancy art and craft willowware, cut flower and plant baskets.

H. G. Dreyer & Son, Cleveland, O., perfection flower stands and attachments of Japanned and wrought iron.

Ionia Pottery Co., Ionia, Mich., flower pots and vases.

W. H. Elverson Pottery Co., New Brighton, Pa., standard flower pots and vases.

Illinois Flower Box Co., Chicago, self-watering flower boxes.

Universal Portland Cement Co., Chicago, sample cement greenhouse benches.

Lemon Oil Co., Baltimore, Md., display of insecticide and atomizer.

Means & Thacher, Boston, Mass., Winner paint and putty.

J. Horace McFarland Co., Harrisburg, Pa., catalogue and publicity service.

C. F. Zurn Co., Philadelphia, Pa., Shaderine, a water paint for greenhouses.

Hammond's Paint & Slug Shot Works, Fishkill-on-Hudson, N. Y., greenhouse paint and insecticides and bellows appliances; also putty and oils.

The Skinner Irrigation Co., Troy, Ohio, section of pipe, irrigation apparatus.

American Blower Co., Detroit, steam traps, valves and accessories.

Standard Pump and Engine Co., Cleveland, O., pumps and supplies.

Swift Fuel Co., Chicago, Swift stoker.

The Castle Co., Boston, Mass., Castle automatic circulator.

George B. Limbert Co., Chicago, pipes.

Reading Iron Co., iron pipe and fittings.

Morehead Mfg. Co., Detroit, Mich., Morehead steam and boiler trap.

C. E. Travis Company, Henry, Ill., Travis greenhouse rocking grates.

B. F. Goodrich & Co., Akron, O., rubber hose, couplings and reels.

Quaker City Rubber Co., Chicago and Philadelphia, rubber hose, gaskets, packing, belting, etc.

Revere Rubber Co., Chicago, rubber garden and greenhouse hose.

J. C. Moninger Co., Chicago, Moninger pneumatic watering system, pumps, engines, tanks, sections of greenhouse with all fittings, sectional

boiler, pecky cypress bench and pipe supports.

Foley Mfg. Co., Chicago, section sixty feet wide house with all fittings, flat rafter construction, pipe frame bench, section of gutter and other fittings.

Superior Machine Works, Chicago, return tubular greenhouse boilers.

Lord & Burnham Co., New York, section of pipe frame house, pipe hangers, three boilers of different types, section of house 64½ feet wide, iron frame, iron eave plate, galvanized iron bench frame.

George M. Garland Co., Desplaines, Ill., section of house showing iron truss construction, gutters, curved eaves, etc., all kinds of pipe and bench fittings, iron form for concrete posts.

Kroeschell Bros. Co., Chicago, greenhouse boilers, one for from forty-eight thousand to fifty thousand square feet of glass, showing piping and generator for forced circulation.

Hitchings & Co., New York, section of house showing curved and straight eave ventilating apparatus, sectional boiler showing construction and grate.

Quaker City Machine Works, Richmond, Ind., ventilating apparatus.

Advance Co., Richmond, Ind., ventilating apparatus and greenhouse fittings.

Mead & Suydam, New York, Wilson Hoyt concrete bench.

Carbone, Boston, Mass., baskets and fancy Italian pottery, china and glass cut flower vases.

A. T. Boddington, New York, Dutch and French bulbs; also longiflorum lilies.

Brecht & Co., St. Louis, Mo., refrigerator and refrigerating apparatus.

Pulverized Manure Co., Chicago, Wizard Brand sheep and cattle manures.

United Fertilizer Co., Chicago, flower and lawn fertilizer and plant food.

Aphine Co., Madison, N. J., insecticides in large variety.

Albert A. Sawyer, Forrest Park, Ill., vases of cut flowers of "astermum," a glorified aster.

Basset & Washburn, Hinsdale, Ill., display of cut roses and chrysanthemums.

Roseville Pottery Co., Zanesville, O., fancy jardinières, jars, pedestals and cut flower vases.

Jac Lederer, Inc., Chicago, florists' refrigerator.

Holton & Hunkel, Milwaukee, palms, araucarias and other house plants.

Natural Guano Company, pulverized sheep manure.

Richmond Cedar Works, Richmond, Va., cedar tubs.

Nickolas McCarty, Boston, Mass., Boston letter and Dutch bulbs.

Williams Florists' Supply House, Utica, N. Y., new carnation support.

Lord Plant Box Co., Minneapolis, Minn., folding plant boxes.

H. A. Dreer Co., Philadelphia, patent glazing point, florists' hose and plant tubs.

Dietsch & Co., Chicago, attachable iron clip and general line of material for wood and iron houses.

Detroit Flower Pot Mfg. Co., Detroit, Mich., red pots.

Illinois State Florists' Association.

The Visit to Pochlmann's.

When the eleven cars of florists, numbering some 455, were assembled at the station awaiting the arrival of the train to take them back to Chicago after their inspection of the magnificent Pochlmann plant, where they

had been so well entertained, Mr. Patrick O'Mara, of Jersey City, a life member of the S. A. F., mounted a convenient box and invited attention. He said: "Ladies and gentlemen, I am sure you will all agree with me that this has been a most auspicious occasion. You will all agree with me that we have had a delightful visit to this delightful suburb of Chicago, and that we have seen a greenhouse plant which is not eclipsed anywhere in this world. It has been my privilege to have seen recently some of the largest plants in Europe, particularly that of the Rockford place in North London, and let me tell you candidly, and I say it with the pride of an American, that the plant we have visited today is second to none in this world. We have received from the Pochlmann brothers a welcome and a hospitality and an inspiration that we shall all carry away and remember for many years. Ladies and gentlemen, I ask you for three cheers and a tiger for the Pochlmann brothers."

The cheers were given with a will, after which J. K. M. L. Farquhar, of Boston, nominee for president of the S. A. F., was called on for a speech, and said: "Ladies and gentlemen, I have been requested by the secretary of the Minneapolis Florists' Club, to which city we are to go for our annual convention next year, to introduce Mr. Dysinger, of the Minneapolis Florists' Club."

S. D. Dysinger, of Holm & Olson, Inc., St. Paul, Minn., said: "I thank you for the compliment, Mr. Farquhar, of being called upon, but I am not of Minneapolis, I am of St. Paul; yet I am of the Twin Cities, and we want every florist here to meet us in Minneapolis next year. We will try to give you just as good a time as possible. We will not say we will give you as good a time as have the Pochlmann Bros., but we will do our very best. So all of you come to Minneapolis and bring your friends along."

Mr. Farquhar now introduced August Pochlmann, vice-president of the S. A. F., and one of the firm which had been the hosts of the afternoon, whom he invited to address the gathering.

Mr. Pochlmann said: "Ladies and gentlemen, fellow members of the Society of American Florists, it gives me great pleasure to tell you how glad I am to see so large a crowd and how glad I am that you availed yourselves of our invitation to come out here. It is fortunate that we had a nice day to go with it. I hardly expected quite as large a crowd. [Laughter.] I told the caterer that we expected from four to six hundred, but in my heart I felt as though there might be only two hundred. It was all guess-work. If I had known that as large a number would have come out I think we would have made better provisions to take care of you. The service was not all that we should have liked to have had it. [A voice: "It was all right."]

"I hope when you depart from Morton Grove that you will go back feeling amply repaid for your visit out here. I know that when I go to other greenhouses I am always able to take home something that will make my trip pay, and I feel that many of you will go home feeling repaid for your time spent with us today."

"There is one thing I would like to say which may be of importance, and that is that in our society we should try to maintain a friendly feeling at all times; we should not have one man

get up and try to tear another man's reputation to pieces. We are not in the political game, we are not a political society, and we should not let politics mar our harmonious relations as members of this society. As soon as politics enters a society factional feeling is aroused which we at all times should try and avoid, that we may work in harmony as we three brothers have done here. [A voice: "See the results."]

"We three boys started twenty-two years ago with practically nothing. We heated our small plant with stove pipes. We had a brick boiler under each bench. We would never have succeeded as we have if we had not stuck together, always each for all and all for each. Always work for one another. While working for yourself work also for the interest of your partners. In the same way this Society of American Florists should work with the interest of all of its members constantly in mind. If at any time differences of opinion arise let them be settled quietly aside and not be the occasion for acrimonious discussion in public. Such matters can be settled in a better way, a different way. I would like to see this society grow great and continue to extend its usefulness. We will give it all the support we can, and that is what every member should try to do. We should all work for the advancement of the parent society, and not let politics enter into it. As soon as we do, that means disintegration. As soon as we have factions we have trouble.

"Your executive officers work hard for the society. You have put them in office and they are trying to do what is right for you. They have endeavored during the course of the year to figure out the best thing to do, and to give careful consideration to all the problems that come up. Do not "knock" the men that are trying to do the work for you, trying to advance your society. I believe that is all I have to say; I just wanted to bring this matter before you at this time because there is too much wrangling in our meetings, and I hope it will be avoided in the future." [Applause.]

Ladies' Society of American Florists.

The annual meeting of the Ladies' Society of American Florists was held Wednesday morning, August 21, the president, Mrs. J. W. Boone of Baltimore in the chair, Mrs. George H. Maynard in her place as secretary. The usual order of business was dispatched. The secretary's report showed 261 members, including 34 new members taken in during the year. The report of the treasurer showed between \$500 and \$600 in the treasury.

Officers elected at this meeting to serve for the ensuing year were the following: Mrs. F. H. Traendly, New York, president; Mrs. Chas. W. McKellar, Chicago, first vice-president; Mrs. George Asmus, Chicago, second vice-president; Mrs. Albert M. Herr, Lancaster, Pa., treasurer; Mrs. George Maynard, Allen, Mich., secretary. An appropriation of \$25 was voted, to be in effect annually hereafter, as a prize for the ladies' bowling tournament.

Those Present.

The following registered at the Coliseum during the first two days of the convention:

Otto Abele, New Orleans, La.
C. L. Adams, Manchester, Ia.
R. E. Adgate, Niles, O.
F. H. Adgate, Warren, O.
J. Aldous, Jr., Iowa City, Ia.
H. J. Alford, Garretttsville, O.
E. Amerpohl, Janesville, Wis.

J. F. Ammann, Edwardsville, Ill.
A. Anderson, Moline, Ill.
S. A. Anderson, Buffalo, N. Y.
Geo. H. Angermueller, St. Louis, Mo.
J. M. Auge, Fort Madison, Ia.
A. Aukemy, Davenport, Ia.
W. J. Baker, Fort Worth, Texas.
F. Balkenhol, Mankato, Minn.
C. D. Ball, Philadelphia, Pa.
Harry Balsley, Detroit, Mich.
H. H. Bartsch, Waverly, Mass.
M. A. Barick, Seymour, Ind.
J. R. Bathier, Clinton, Ia.
G. F. Bauerle, Lansing, Mich.
C. L. Baum, Knoxville, Tenn.
A. F. J. Baur, Indianapolis, Ind.
L. Bauscher, Freeport, Ill.
Geo. Bayer, Toledo, O.
Prof. A. C. Beal, Ithaca, N. Y.
E. S. Beard, Detroit, Mich.
E. A. Beaven, Evergreen, Ala.
A. J. Behringer, Des Moines, Ia.
John Bell, Franklin, Pa.
J. B. Bell, Troy, O.
Joseph Bennett, Montreal, Que.
S. J. Bennett, Lakewood, O.
A. Bergstermann, St. Louis, Mo.
H. G. Berning, St. Louis, Mo.
Ed. Berno, Mansfield, O.
Irwin Bertermann, Indianapolis, Ind.
John Bertermann, Indianapolis, Ind.
Peter Beurlein, Elmhurst, N. Y.
Carl Beyer, St. Louis, Mo.
H. M. Bills, Davenport, Ia.
E. Bischoff, Niagara Falls, N. Y.
J. A. Bissinger, Lansing, Mich.
Geo. H. Blackman, Evansville, Ind.
Geo. H. Blake, Brooklyn, N. Y.
M. Bloy, Detroit, Mich.
Oscar Boehler, West Hoboken, N. J.
Peter Bohlender, Tippecanoe City, O.
W. M. Bomberger, Harlan, Ia.
J. N. Bommersbach, Decatur, Ill.
J. W. Boone, Baltimore, Md.
Julius Bordet, St. Louis, Mo.
Fred Breitmeyer, Mt. Clemens, Mich.
J. Breitmeyer, Jr., Mt. Clemens, Mich.
Philip Breitmeyer, Detroit, Mich.
F. E. Brockman, Irondequoit, N. Y.
F. C. W. Brown, Buffalo, N. Y.
Wm. B. Brown, Detroit, Mich.
Thos. F. Browne, Greenfield, Mich.
F. W. Bruenig, St. Louis, Mo.
H. W. Buckbee, Rockford, Ill.
E. L. Bullhart, Ludington, Mich.
H. A. Bunyard, New York.
Fred Burkl, Pittsburg, Pa.
E. Burman, St. Louis, Mo.
A. S. Burns, Jr., Spring Valley, N. Y.
Fred Busch, Minneapolis, Minn.
C. S. Butterworth, Muskegon, Mich.
M. J. Callahan, St. Joseph, Mo.
D. Carmichael, Cincinnati, O.
J. D. Carmody, Evansville, Ind.
J. G. Cass, Baltimore, Md.
G. E. Caton, Zanesville, O.
W. R. Cobb, New York.
A. M. Coe, North Olmstead, O.
S. W. Coggan, Battle Creek, Mich.
J. M. Cole, Peoria, Ill.
W. W. Coles, Kokomo, Ind.
J. T. Conger, Hartwell, O.
D. T. Connor, Philadelphia, Pa.
Lawrence Cotter, Jamestown, N. Y.
Arthur Cowee, Berlin, N. Y.
Prof. J. F. Cowell, Buffalo, N. Y.
V. A. Cowgill, Salem, O.
Robt. Craig, Philadelphia, Pa.
Wm. P. Craig, Philadelphia, Pa.
C. E. Critchell, Cincinnati, O.
C. W. Crouch, Knoxville, Tenn.
Wm. Currie, Milwaukee, Wis.
C. W. Curtis, Irondequoit, N. Y.
E. H. Cushman, Sylvania, O.
R. F. Cushman, Sylvania, O.
A. H. Dailey, Knoxville, Tenn.
C. Dahlwig, Milwaukee, Wis.
Frank Daut, Decatur, Ill.
P. Daut, Decatur, Ill.
D. W. Davis, Berwick, Pa.
F. Davis, Davenport, Ia.
J. W. Davis, Davenport, Ia.
W. E. Day, Syracuse, N. Y.
A. T. De La Mare, New York.
H. G. Delyer, Cleveland, O.
J. A. Denison, New Philadelphia, O.
W. D. Desmond, Minneapolis, Minn.
C. P. Dieterich, Maysville, Ky.
J. Donaldson, Elmhurst, N. Y.
T. Donnell, Mattoon, Ill.
Prof. H. B. Dörner, Urbana, Ill.
T. A. Dörner, Lafayette, Ind.
John Dreckmann, Elm Grove, W. Va.
C. P. Dudley, Parkersburg, W. Va.
S. D. Dysinger, St. Paul, Minn.
M. C. Ebel, Madison, N. J.
C. Eble, New Orleans, La.
B. L. Elliott, Pittsburg, Pa.
J. S. Elliott, Boston, Mass.
R. H. Ellis, Leamington, Ont.
R. C. Ellsworth, Downers Grove, Ill.
W. H. Elverson, New Brighton, Pa.
Julius Eppstein, San Francisco, Calif.
J. G. Esler, Saddle River, N. J.
E. J. Fancourt, Philadelphia, Pa.
A. Farenwald, Roslyn, Pa.
J. K. M. L. Farquhar, Boston, Mass.
B. H. Farr, Reading, Pa.
R. C. Faulwether, Ithaca, N. Y.
A. Febr, Belleville, Ill.
E. A. Feters, Detroit, Mich.
J. Feustenhamer, Wheaton, Ill.
J. H. Fiesser, Weehawken, N. J.
J. Fobler, Kansas City, Mo.
C. S. Ford, Philadelphia, Pa.
W. H. Ford, Marshalltown, Ia.
J. Fotheringham, Tarrytown-on-Hudson, N. Y.
C. D. Frauenfelder, Zanesville, O.
J. T. D. Fulmer, Des Moines, Ia.
L. Merton Gage, Groton, Mass.
W. Gammage, London, Ont., Can.
G. R. Gause, Richmond, Ind.
Wm. Geenen, Kimberly, Wis.
Robt. George, Painesville, O.
J. T. Gibbs, Lynn, Mass.
Louis A. Giger, Council Bluffs, Ia.
E. G. Gillett, Cincinnati, O.
John Gipper, Niles, Mich.
A. L. Glaser, Dubuque, Ia.
James Glass, Baltimore, Md.
W. A. Glauke, Indianapolis, Ind.
S. J. Goddard, Framingham, Mass.
H. W. F. Goetz, Saginaw, Mich.
J. F. Goodlive, Zanesville, O.
F. C. Goodman, Mason City, Ia.
F. X. Gorly, St. Louis, Mo.
V. J. Gorly, St. Louis, Mo.
D. E. Gorman, Williamsport, Pa.
J. J. Goudy, Philadelphia, Pa.
A. Graham, Cleveland, O.
C. J. Graham, Cleveland, O.
R. Graham, Baltimore, Md.
J. Grande, Indianapolis, Ind.
G. L. Grant, Soquel, Calif.
W. E. Gravett, Lancaster, O.
C. H. Green, Fremont, Neb.
S. A. Gregg, Charleston, W. Va.
Benj. Gregory, Milwaukee, Wis.
D. G. Grillbortzer, Alexandria, Va.
E. A. Grobmann, Saginaw, Mich.
J. Grosekemper, Fort Madison, Ia.
A. Gude, Washington, D. C.
W. F. Gude, Washington, D. C.
A. J. Guttman, New York.
W. F. Haeger, Hill City, Tenn.
Carl Hagenburger, Mentor, O.
W. A. Hagenburger, Mentor, O.
E. P. Hall, Shelbyville, Ky.
C. M. Hamilton, Kewanee, Ill.
James T. Hamilton, Baltimore, Md.
S. M. Harbison, Danville, Ky.
W. K. Harris, Philadelphia, Pa.
A. A. Hart, Cleveland, O.
Geo. B. Hart, Rochester, N. Y.
J. Hartie, Indianapolis, Ind.
W. T. Hartshorne, Joliet, Ill.
S. A. Harvey, Grand Haven, Mich.
Andrew Hauge, Birmingham, Ala.
Joseph Hauser, St. Louis, Mo.
D. F. Hawkes, Wheaton, Ill.
F. G. Hawkins, Stapleton, N. Y.
James Hayes, Topeka, Kans.
L. C. Hecock, Elyria, O.
Harry Heini, Toledo, O.
O. B. Heini, Jacksonville, Ill.
John Held, St. Louis, Mo.
Henry Heepe, Akron, O.
J. A. Helfrich, Paris, Ill.
I. S. Hendrickson, Floral Park, N. Y.
Lewis Henderson, Omaha, Neb.
G. H. Hennessy, Laporte, Ind.
W. K. Harris, Philadelphia, Pa.
O. H. Herman, Council Bluffs, Ia.
H. F. Hermann, New Haven, Ind.
A. M. Herr, Lancaster, Pa.
H. L. Hill, Geneseo, Ill.
Joseph H. Hill, Richmond, Ind.
L. B. Hill, Geneseo, Ill.
E. H. Hitchcock, Glenwood, Mich.
A. Hoffmeister, Cincinnati, O.
W. A. Hollingsworth, Atlanta, Ga.
F. H. Holton, Milwaukee, Wis.
J. D. Hooper, Richmond, Va.
Chas. H. Hudson, Fishkill-on-Hudson, N. Y.
Robt. Hughes, Cleveland, O.
H. M. Humfelt, Franklin, Pa.
H. V. Hunkel, Milwaukee, Wis.
J. Hutchinson, Urbana, Ill.
Geo. Hutton, Marion, Ia.
J. D. Inlay, Zanesville, O.
E. J. Irwin, New York.
G. W. Jacobs, Canton, Ill.
R. W. Jean, Detroit, Mich.
Harry Johnson, Bloomington, Ill.
Wm. J. Johnson, Baltimore, Md.
J. E. Jones, Richmond, Ind.
J. E. Jones, Jr., Richmond, Ind.
C. H. Jordan, Wauson, O.
B. Juerjens, Peoria, Ill.
Wm. Jurgens, Newport, R. I.
A. Kakuda, New York.
J. J. Karins, Philadelphia, Pa.
Wm. F. Kasting, Buffalo, N. Y.
B. Katzwinkle, Mendota, Ill.
Geo. A. Kaupp, Nevada, Mo.
W. J. Keimel, Elmhurst, Ill.
J. F. Keller, Lexington, Ky.
S. Keller, Lexington, Ky.
W. L. Keller, Rochester, N. Y.
Fred Kelly, Kokomo, Ind.
J. O. Kemble, Marshalltown, Ia.
R. H. Kemble, Oskaloosa, Ia.
J. H. Keock, New York.
J. H. Keplinger, Govanstown, Md.
P. C. Kesting, West Bend, Wis.
H. E. Kidder, Ionia, Mich.
Robert Kift, Philadelphia, Pa.
T. J. Kirchner, Cleveland, O.
Geo. Klehm, Arlington Heights, Ill.
L. H. A. Klein, Towson, Md.
T. Klockenkemper, St. Louis.
Wm. Knees, Moline, Ill.
H. P. Knoble, Cleveland, O.
W. H. Koebler, Philadelphia, Pa.
C. Koelker, Toledo, O.
John L. Koenig, St. Louis, Mo.
H. W. Koerner, Milwaukee, Wis.
C. W. Kohlert, Philadelphia, Pa.
J. A. Kramer, Cedar Rapids, Ia.
A. Krueger, Meadville, Pa.
Wm. Krueger, Toledo, O.
Wm. H. Kuebler, Brooklyn, N. Y.

C. A. Kuehn, St. Louis, Mo.
 A. E. Kunderd, Goshen, Ind.
 L. H. Kyrk, Cincinnati, O.
 J. E. Lager, Summit, N. J.
 L. L. Lamborn, Alliance, O.
 A. H. Langjahr, New York.
 A. H. Lanser, Philadelphia, Pa.
 E. B. Larson, Fort Dodge, Ia.
 P. L. Larson, Fort Dodge, Ia.
 C. L. Larzelere, Philadelphia, Pa.
 C. S. Lee, Evergreen, Ala.
 F. H. Lemon, Richmond, Ind.
 John Lester, Ottawa, Kans.
 E. Leuly, West Hoboken, N. J.
 N. P. Lindberg, Rugby, N. Dak.
 Oscar Lion, New York.
 A. G. Lodewyck, Detroit, Mich.
 R. E. Loeben, Gloversville, N. Y.
 Wm. Loew, Pittsburg, Pa.
 L. P. Lord, Minneapolis, Minn.
 Chas. Loveridge, Peoria, Ill.
 DeForest W. Ludwig, Pittsburg, Pa.
 E. C. Ludwig, Pittsburg, Pa.
 E. E. Ludwig, Pittsburg, Pa.
 R. Lutey, Ironwood, Mich.
 Chris. Lund, Wausau, Wis.
 L. W. Mack, Cincinnati, O.
 Daniel MacRorie, San Francisco, Calif.
 O. E. Magnuson, Minneapolis, Minn.
 Joseph Manda, West Orange, N. J.
 W. A. Manda, South Orange, N. J.
 Thos. Mansfield, Lockport, N. Y.
 W. H. Mansfield, Lockport, N. Y.
 W. G. Matthews, Dayton, O.
 James Matthewson and son, Sheboygan, Wis.
 B. J. Maynard, Des Plaines, Ill.
 W. A. McAlpine, Brighton, Mass.
 J. McArthur, Elizabeth, N. J.
 D. McCaw, Philadelphia, Pa.
 Geo. W. McClure, Buffalo, N. Y.
 R. A. McPherson, Litchfield, Ill.
 J. H. Means, Boston, Mass.
 F. H. Meinhardt, St. Louis, Mo.
 Henry Henschke, Pittsburg, Pa.
 A. Meyer, St. Louis, Mo.
 Henry F. Michell, Philadelphia, Pa.
 A. L. Miller, Brooklyn, N. Y.
 F. H. Miller, Bracondale, Ont.
 G. R. Miller, Louisville, Ky.
 Joseph Miller, Carlisle, N. J.
 M. P. Mills, Philadelphia, Pa.
 A. Mohr, Kansas City, Mo.
 C. A. Morgan, Henderson, Ky.
 M. F. Morris, Bloomington, Ind.
 Stephen Mortensen, Southampton, Pa.
 W. H. Moses, Petoskey, Mich.
 C. P. Mueller, Wichita, Kans.
 G. C. Mueller, Milwaukee, Wis.
 P. Munsey, Champaign, Ill.
 Samuel Murray, Kansas City, Mo.
 G. M. Naumann, Cleveland, O.
 A. H. Newling, Urbana, Ill.
 L. H. Neubeck, Buffalo, N. Y.
 Grant Newport, Cedar Rapids, Ia.
 J. A. Newsham, New Orleans, La.
 E. Nicholson, Excelsior, Minn.
 Leo. Niessen, Philadelphia, Pa.
 E. E. Nordvall, Fort Dodge, Ia.
 J. A. Nuth, Raspeburg, Md.
 John Nydot, St. Louis, Mo.
 C. J. Ohmer, West Palm Beach, Fla.
 P. J. Olinger, Cincinnati, O.
 Peter Olsen, Joliet, Ill.
 Patrick O'Mara and party, New York.
 T. G. Owens, Columbus, Miss.
 H. R. Packer, Richmond, Ind.
 P. M. Paley, Little Rock, Ark.
 J. A. Payne, New York.
 E. Allen Peirce, Waltham, Mass.
 Geo. L. Peltier, Urbana, Ill.
 C. H. Perkins, Newark, N. Y.
 G. C. Perkins, Newark, N. Y.
 Arthur Peterson, Escanaba, Mich.
 C. Peterson, Cincinnati, O.
 J. A. Peterson, Cincinnati, O.
 P. W. Peterson, Joliet, Ill.
 H. E. Philpott, Winnipeg, Man.
 W. Pier, Minneapolis, Minn.
 W. R. Pierson, Cromwell, Conn.
 S. W. Pike, St. Charles, Ill.
 I. L. Pillsburg, Galesburg, Ill.
 H. Plath, San Francisco, Calif.
 A. Pochelon, Detroit, Mich.
 C. C. Pollworth, Milwaukee, Wis.
 Fred Ponting, Cleveland, O.
 Robt. Pyle, West Grove, Pa.
 H. J. Quick, Baltimore, Md.
 Robt. Rahaley, Detroit, Mich.
 Walter Ramsay, Edmonton, Alta.
 P. S. Randolph, Pittsburg, Pa.
 P. S. Randolph, Jr., Pittsburg, Pa.
 A. Rasmussen, New Albany, Ind.
 L. H. Read and Master Read, Deer Park, Ala.
 Wm. Reider, Wilmington, N. Car.
 Wm. Rehm, New York.
 E. C. Rehneman, Pittsburg, Pa.
 Martin Reukauf, Philadelphia, Pa.
 A. S. Rice, Minneapolis, Minn.
 C. F. Rice, Minneapolis, Minn.
 Otto Rice, Sapulpa, Okla.
 H. W. Rieman, Indianapolis, Ind.
 J. Rindfleisch, Beloit, Wis.
 Wm. Robertson, Jenkintown, Pa.
 Geo. A. Robinson, Montreal, Que.
 I. Rosnosky, Philadelphia, Pa.
 H. Rossacker, Minneapolis, Minn.
 A. J. Rossi, San Francisco, Calif.
 F. Rossiter, Greensburg, Pa.
 W. A. Rowe, St. Louis, Mo.
 F. N. Ruedlinger, Indianapolis, Minn.
 John A. Ruppert, Riverton, N. J.
 Gust. Rusch, Milwaukee, Wis.
 E. R. Sackett, Fostoria, O.
 C. C. Sanders, St. Louis, Mo.
 Chas. Sandiford, Buffalo, N. Y.
 F. F. Scheel, Shermerville, Ill.

J. L. Schiller, Toledo, O.
 Emil Schloss, New York.
 H. Schmeig, LaFayette, Ind.
 L. Schmutz, Brooklyn, N. Y.
 James Schols, Jr., Grand Rapids, Mich.
 F. C. Schreiber, Indianapolis, Ind.
 E. W. Schuster, Philadelphia, Pa.
 Henry Schwab, Zanesville, O.
 C. W. Scott, New York.
 E. A. Scribner, Detroit, Mich.
 Hugh Seales, Birmingham, Ala.
 Wm. A. Seeger, Jr., St. Louis, Mo.
 H. D. Seele, Elkhart, Ind.
 Samuel Seligman, New York.
 F. E. Selkregg, North East, Pa.
 Chas. L. Seybold, Baltimore, Md.
 Leroy E. Shaw, Pittsfield, Mass.
 Theo. Shober, Wyncote, Pa.
 S. S. Skidelsky, Philadelphia, Pa.
 J. M. Smely, Aurora, Ill.
 Geo. W. Smith, Cleveland, O.
 Herbert E. Smith, Danville, Ill.
 H. J. Smith, Hinsdale, Mass.
 P. J. Smith, New York.
 Geo. Sorenson, Florence, Neb.
 J. Staack, Moline, Ill.
 Theo. Standt, Rockville, Conn.
 O. B. Stevens, Shenandoah, Ia.
 E. E. Stewart, Rives Junction, Mich.
 W. J. Stewart, Boston, Mass.
 J. W. Stokes, Springfield, Mo.
 T. B. Stroup, New Philadelphia, O.
 G. F. Struck, New York.
 Mrs. E. Suder, Toledo, O.
 J. F. Sullivan, Detroit, Mich.
 G. Swenson, Elmhurst, Ill.
 G. Swoboda, Omaha, Neb.
 J. Sylvester, Oconto, Wis.
 T. B. Symons, College Park, Md.
 G. H. Taepke, Detroit, Mich.
 E. R. Tauch, Marquette, Mich.
 C. C. Taylor, Louisville, Ky.
 J. G. Taylor, Minneapolis, Minn.
 J. T. Temple, Davenport, Ia.
 A. M. Terrill, Calgary, Alta.
 J. Otto Thilow, Philadelphia, Pa.
 A. Thomann, Detroit, Mich.
 J. Thomann, Rochester, N. Y.
 Joseph Thomas, Greensburg, Pa.
 Wm. Thomas, Kalamazoo, Mich.
 L. D. Thomson, Atlanta, Ga.
 Chas. H. Totty, Madison, N. J.
 J. L. Towner, Baltimore, Md.
 B. Hammond Tracy, Wenham, Mass.
 F. H. Traendly, New York.
 J. T. Trevillian, Tarrytown-on-Hudson, N. Y.
 J. G. Turner, Logansport, Ind.
 L. W. C. Tuthill, New York.
 H. Uhl, Syracuse, N. Y.
 Fred Ullman, Strawberry Point, Ia.
 Philip Ulrich, Johnstown, N. Y.
 R. W. Unger, Detroit, Mich.
 J. A. Valentine, Denver, Colo.
 G. Van Bochove, Kalamazoo, Mich.
 J. R. Van Bochove, Kalamazoo, Mich.
 C. Varr, Philadelphia, Pa.
 W. J. Vesey, Jr., Fort Wayne, Ind.
 Chas. H. Vick, Rochester, N. Y.
 R. Vincent, Jr., White Marsh, Md.
 R. A. Vincent, White Marsh, Md.
 W. J. Virgin, New Orleans, La.
 D. Vogt, Coldwater, Mich.
 J. W. Vogt, Sturgis, Mich.
 J. W. Wade, Philadelphia, Pa.
 A. Waldbart, St. Louis, Mo.
 Wm. Walker, Louisville, Ky.
 P. R. Walter, Wakefield, Kans.
 W. C. Walters, Denver, Colo.
 C. Warnicke, Detroit, Mich.
 Wm. Warneke, Cleveland, O.
 W. W. Warring, Buffalo, N. Y.
 F. L. Washburn, Bloomington, Ill.
 Geo. Washburn, Bloomington, Ill.
 L. Wasserman, Muskegon, Mich.
 G. P. Weaklen, Pittsburg, Pa.
 F. H. Weber, St. Louis, Mo.
 A. C. Weckman, Jr., Cincinnati, O.
 DeForest Weeks, Ashtabula, O.
 J. W. Weiss, Mobile, Ala.
 E. J. Welabare, St. Louis, Mo.
 S. R. Welch, Painesville, O.
 J. Westcott, Philadelphia, Pa.
 A. H. Whitcomb, Lawrence, Kans.
 H. White, North Manchester, Ind.
 G. P. Whitmore, Chelsea, Mass.
 M. F. Widmer, Highland, Ill.
 C. B. Wiegand, Indianapolis, Ind.
 R. F. Wilcox, Council Bluffs, Ia.
 J. J. Williams, Utica, N. Y.
 Andrew Wilson, New York.
 J. S. Wilson, Des Moines, Ia.
 J. W. Wilson and son, Cleveland, O.
 F. A. Windler, St. Louis, Mo.
 G. M. Wingardener, Elkhart, Ind.
 H. F. Winter, Charleston, W. Va.
 Christ Wintorich, Defiance, O.
 Claude Wisley, Murphysboro, Ill.
 F. C. Wittluhn, Cleveland, O.
 J. E. Yeats, Champaign, Ill.
 C. Young, St. Louis, Mo.
 J. C. Young, St. Louis, Mo.
 W. C. Young, St. Louis, Mo.
 F. W. Zelekman, Cleveland, O.
 J. F. Zimmerman, Pittsburg, Pa.
 A. Zirkman, Philadelphia, Pa.
 Nic Zweifel, Milwaukee, Wis.

The Ladies.

Mrs. J. F. Ammann, Edwardsville, Ill.
 Misses Ammann, Edwardsville, Ill.
 Mrs. Emily E. Arnold, Omaha, Neb.
 Misses Arnold, Omaha, Neb.
 Miss Nellie Bable, Louisville, Ky.
 Miss Barick, Seymour, Ind.
 Mrs. J. R. Bather, Clinton, Ia.
 Mrs. S. J. Bennett, Lakewood, O.
 Mrs. H. G. Berning, St. Louis, Mo.

Mrs. Peter Beuerlein, Elmhurst, N. Y.
 Mrs. Carl Beyer, St. Louis, Mo.
 Mrs. J. A. Bissinger, Lansing, Mich.
 Mrs. J. W. Boone, Baltimore, Md.
 Mrs. C. D. Bradley, Fort Wayne, Ind.
 Mrs. F. W. Bruenig, St. Louis, Mo.
 Mrs. H. W. Buckbee, Rockford, Ill.
 Mrs. E. L. Bullhart, Ludington, Mich.
 Mrs. Harry Bunyard, New York.
 Miss Mae Carroll, Norwood, O.
 Mrs. J. G. Cass, Baltimore, Md.
 Miss A. Chandler, Berlin, N. Y.
 Mrs. W. W. Coles, Kokomo, Ind.
 Mrs. D. T. Connor, Philadelphia, Pa.
 Mrs. C. E. Critchell, Cincinnati, O.
 Mrs. T. Donnell, Mattoon, Ill.
 Miss Violet Donnell, Canaan, N. J.
 Mrs. H. F. Drury, Galesburg, Ill.
 Miss Blanche East, Terre Haute, Ind.
 Miss Ruth Elliott, Brighton, Mass.
 Mrs. Julius Eppstein, San Francisco, Calif.
 Miss H. J. Esler, Saddle River, N. J.
 Mrs. A. Fehr, Belleville, Ill.
 Miss C. B. Flick, Fort Wayne, Ind.
 Miss Ruth R. Flick, Fort Wayne, Ind.
 Mrs. G. R. Gause, Richmond, Ind.
 Mrs. H. W. F. Goetz, Saginaw, Mich.
 Mrs. A. Graham, Cleveland, O.
 Mrs. J. Grande, Indianapolis, Ind.
 Mrs. C. H. Green, Fremont, Neb.
 Miss O. Guerllinger, St. Louis, Mo.
 Mrs. A. J. Gutman, New York.
 Mrs. W. K. Harris, Philadelphia, Pa.
 Mrs. S. A. Harvey, Grand Haven, Mich.
 Misses Hayden, Kansas City, Mo.
 Mrs. L. C. Hecock, Elyria, O.
 Mrs. D. Heintz, Jacksonville, Ill.
 Mrs. Harry Heintz, Toledo, O.
 Mrs. L. Henderson, Omaha, Neb.
 Mrs. J. P. Herzog, Cadillac, Mich.
 Miss Blanche E. Hill, Owosso, Mich.
 Mrs. J. T. Hinchliffe, Racine, Wis.
 Mrs. F. H. Holton, Milwaukee, Wis.
 Miss Holton, Milwaukee, Wis.
 Miss H. Hoyt, Galesburg, Ill.
 Mrs. Robt. Hughes, Cleveland, O.
 Mrs. J. W. Ingalls, Rockford, Ill.
 Misses Ingalls, Rockford, Ill.
 Mrs. Wm. J. Johnson, Baltimore, Md.
 Mrs. Fred Kelly, Kokomo, Ind.
 Mrs. J. B. Kelly, Kokomo, Ind.
 Mrs. R. H. Kemble, Okaloosa, Ia.
 Mrs. N. N. Kingsley, St. Louis, Mo.
 Miss Koelker, Toledo, O.
 Mrs. A. Krueger, Mendville, Pa.
 Mrs. Wm. Krueger, Toledo, O.
 Mrs. L. H. Kyrk, Cincinnati, O.
 Mrs. R. E. Loeben, Gloversville, N. Y.
 Mrs. J. E. Lord, Topeka, Kans.
 Misses Loveridge, Peoria, Ill.
 Mrs. Chas. Loveridge, Peoria, Ill.
 Mrs. Chas. H. Maynard, Allen, Mich.
 Mrs. W. A. McAlpine, Brighton, Mass.
 Mrs. A. Meyer, St. Louis, Mo.
 Mrs. G. R. Miller, Louisville, Ky.
 Mrs. T. A. Moseley, Kansas City, Kans.
 Mrs. G. C. Mueller, Milwaukee, Wis.
 Miss Helen Patten, Toledo, O.
 Miss Emma E. Patterson, Burlington, Wis.
 Mrs. A. Rasmussen, New Albany, Ind.
 Miss F. L. Rennison, Sioux City, Ia.
 Mrs. C. F. Rice, Minneapolis, Minn.
 Miss M. Rice, Detroit, Mich.
 Miss Francis Robinson, Grand Rapids, Mich.
 Mrs. F. N. Ruedlinger, Minneapolis, Minn.
 Mrs. E. A. Scribner, Detroit, Mich.
 Mrs. H. Schmeig, LaFayette, Ind.
 Mrs. Geo. W. Smith, Cleveland, O.
 Mrs. H. E. Smith, Danville, Ill.
 Mrs. O. B. Stevens, Shenandoah, Ia.
 Mrs. G. H. Taepke, Detroit, Mich.
 Mrs. C. B. Thompson, Louisville, Ky.
 Mrs. B. Hammond Tracy, Wenham, Mass.
 Mrs. J. G. Turner, Logansport, Ind.
 Mrs. H. Uhl, Syracuse, N. Y.
 Mrs. R. W. Unger, Detroit, Mich.
 Miss M. Vesey, Fort Wayne, Ind.
 Mrs. R. Vincent, Jr., White Marsh, Md.
 Miss F. Virgin, New Orleans, La.
 Mrs. W. J. Virgin, New Orleans, La.
 Mrs. P. R. Walter, Wakefield, Kans.
 Mrs. DeForest Weeks, Ashtabula, O.
 Mrs. M. Weeks, Ashtabula, O.
 Miss K. Weiss, Mobile, Ala.
 Mrs. R. F. Wilcox, Council Bluffs, Ia.
 Miss A. Wilson, Terre Haute, Ind.
 Mrs. J. S. Wilson, Des Moines, Ia.
 Mrs. Pauline Windmiller, Mankato, Minn.
 Miss A. Winters, Toledo, O.
 Miss B. Wittwer, South Bend, Ind.
 Mrs. P. J. Wittwer, South Bend, Ind.

When It Rains.

When it rains, a friendly feelin'
 For the whole wide world comes stealin'
 Through my heart, that sweeps it bare of un-
 kind thought;
 All the worries stop their tensin',
 Ev'ry heartache seems a-cashin',
 And, withn, a miracle of peace is wrought.

When a gentle rain is fallin',
 Kind o' seems there's voices callin'
 From across the borderland of Long Ago;
 On the tin roof loudly hummin',
 On the window panes a-thrummin',
 Saucy rain-elves dancing two-steps, to and fro.
 Jest because the sun ain't shinin',
 Don't get blue or fall a-whinin',
 Softly hum a tune and wait—he'll shine again.
 Life has lots of rainy weather?
 Yes; but take it altogether,
 There's a leetle more of sunshine than of rain.

—Nina Gordon Modglin.

OBITUARY.

Prof. John Craig.

Prof. John Craig, head of the Department of Horticulture in the New York State College of Agriculture of Cornell University at Ithaca, N. Y., and author of many scientific works, died August 12 at Siasconsett, Mass., at the age of 48. Prof. Craig was one of the best known horticulturists in the United States, and was recognized as an authority. He was editor of the National Nurseryman and a frequent contributor to many agricultural magazines. He was born in the Province of Quebec in 1864, and early in life began to show the talent which was later to make him known to the horticulturists of the world. About ten years ago he was called to Cornell to assume the chair he held at his death, succeeding Prof. Liberty Hyde Bailey, who had been elevated to the directorship of the agricultural college. Prof. Craig had previously been professor of horticulture and extension teaching at the Iowa State College, of which institution he was a graduate, and later was horticulturist at the Central Experiment Station at Ottawa, Ont.

He was a fellow of the Royal Horticultural Society and had been secretary of the American Pomological Society and a member of the American Civic League advisory board. He had been in poor health for the last several years but retained his interest in his profession until the last. He was suddenly stricken while in Switzerland two years ago, and though his case was seen to be hopeless, his courage and will power undoubtedly prolonged his life.

Mrs. Mary A. Small.

Mrs. Mary A. Small, widow of the late John H. Small and mother of J. H. Small, Jr., of Washington, D. C., died August 12, aged 80 years. She is survived by two sons and six daughters. Mrs. Small's husband was the founder of the firm of J. H. Small & Sons, florists, and was actively engaged in the trade until his death, since which time the business has been managed by his son, J. H. Small, Jr. Private funeral services were held at the home August 14.

Milwaukee.

ASTERS BRING REASONABLE PRICES.

Plenty of asters are now coming in and they are selling at a reasonable figure. Roses also are plentiful once more and sweet peas also, but of a very poor grade as the continuous rains have made the outdoor stock very soft. Valley has again made its appearance. Plenty of gladioli are arriving daily. Smilax is also a common thing in the market again. It has been very scarce for some time. There are plenty of other greens to fill all orders.

NOTES.

Among those who will attend the convention are F. H. Holton, C. C. Pollworth, R. Leitz, Phil Weil, A. Hoge, W. Kennedy, F. Schmeling, A. Klokner, G. Baerman, E. Oestreicher, Nic Zweifel, W. Helwig, G. Heitman,



The Late Prof. John Craig.

W. Currie and wife, A. Currie, Miss Semmler, W. C. Zimmermann, A. Heath, H. Marquardt, A. Leidiger, W. Maas, F. F. Delventhal, Roy Currie and Gust Rusch.

Miss Anna Holtz, daughter of Gustav Holtz, has returned from her va-

cation in Indiana, and her sister Ella has gone to spend her vacation at the same place. Gustav Holtz reports business very good.

C. C. Pollworth says business is good during the summer months and the firm has all young stock in. The stock is looking good, especially the Boston ferns which are making a fine growth.

H. Plath, A. J. Rossi and Dan Mac Laren of San Francisco, Calif., were visitors in Milwaukee enroute to the convention. They are boosting their home city for the 1915 convention.

F. H. Holton and wife are spending the week with A. Zender, Rogers Park. They left in their auto on Tuesday.

J. G. Robinson of Waukesha is growing some fine greenhouse asters which are being sold by Gust Rusch & Co.

Miss Grace Pilger, of Currie & Co., is spending her vacation at Appleton, during the Panama Canal Exposition.

Roy Currie is on the job again after a couple of weeks' vacation. He reports a good time.

Chas. Menger is around the market again after being laid up with a sprained arm.

Chas. Guthrod is also back on the job after spending his vacation at St. Louis, Mo.

T. Cassidy has returned after several weeks' vacation at Cedar Lake.

R. Leitz reports business good considering the time of the year.

Holton & Hunkel are receiving some fine roses again. G. R.

Rochester, N. Y.

NO IMPROVEMENT IN TRADE.

Trade conditions are no better since the last report. Heavy rains and cool weather keep flower buyers in-doors and the small amount of funeral work there has been is hardly worth mention. All stock is plentiful and fairly good with asters and gladioli in the lead.

NOTES.

Charles Stow, formerly with the Lang Floral Co., of Dallas, Tex., is now in the employ of H. E. Wilson at the Main street store.

Edwin C. Armbrust has left the employ of J. B. Keller's Sons. He will operate a flower shop in Northampton, Mass. C. G.



CANADIAN HORTICULTURAL ASSOCIATION.

Members and Their Families Resting from Labors of Convention, Montreal, August 6-9, 1912.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.
Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 80 PAGES WITH COVER

CONTENTS.

The Chicago convention.....	277
—Convention proceedings.....	277
—Address of welcome by Judge Payne.....	277
—J. K. M. L. Farquhar (portrait).....	278
—President Vincent's address.....	278
—Theodore Wirth (portrait).....	279
—Wm. F. Kasting (portrait).....	280
—John Young (portrait).....	281
—Partial view of exhibits at the convention.....	282
—General view of the exhibition hall (illus.).....	283
—Secretary and treasurer report.....	283
—Secretary Young's report.....	284
—Treasurer Kasting's report.....	284
—Robt. Craig Co.'s exhibit (illus.).....	284
—Wm. F. Gude's report.....	284
—Poehlmann Bros. Co.'s store (illus.).....	285
—The Smith resolutions.....	285
—Tuesday afternoon session.....	286
—The national flower show.....	286
—The next meeting.....	286
Bassett & Washburn's new range (illus.).....	286
The Chicago convention (continued).....	288
—President's reception.....	288
—Wednesday's proceedings.....	288
—Report on president's address.....	288
—F. C. W. Brown's lecture.....	288
—Election of officers.....	288
—The exhibition.....	288
Washington Park, Chicago (illus.).....	288
The Chicago convention.....	289
—The trade exhibitors.....	289
—The visit to Poehlmann's.....	290
—Ladies' Society of American Florists.....	291
—Those present.....	291
Obituary.....	293
—Prof. John Craig (portrait).....	293
—Mrs. Mary A. Small.....	293
Milwaukee.....	293
Chicago.....	304
Chicago Florists' Club.....	306
Cincinnati.....	308
St. Louis.....	308
San Francisco.....	310
Cleveland.....	311
New York.....	314
Pittsburg.....	314
Buffalo.....	320
The seed trade.....	322
—A. E. Reynolds (portrait).....	322
Market gardeners.....	330
The nursery trade.....	332

A BLOOD-RED pansy of medium size and round in shape has been produced by Prof. Cuthbertson, the English horticulturist. The blotches in the center are very dark and the eye-brows white, while the eye itself is yellow. Prof. Cuthbertson says he was twenty-five years producing the new flower.

Plant Tree Where King's Tree Died.

New York.—A royal English oak tree has been set out in Central park as the official successor of the one planted by the late King Edward VII, when he visited the United States in 1860. The king's tree died in 1908.

J. C. Tait Still President.

We are informed by George Tait & Sons of Norfolk, Va., that our notice of a change in management was misleading. W. L. Tait and Robert Tait have retired, but James C. Tait, for more than twenty years president of the firm, retains all his stock and remains the head of the house. J. T. Moreland, the new vice-president, and D. B. Blackwood, the new secretary-treasurer, have been connected with the firm for many years.

Production of Calla Blooms.

ED. AMERICAN FLORIST:—During the last winter we have grown 75 callas in 8-inch pots and 25 in 7-inch pots and they produced the following number of blooms:

November	7 flowers.
December	52 "
January	54 "
February	66 "
March	124 "
April	91 "
May	15 "

Total 409 "

We would like to know the opinion of growers as to this cut taken entirely from a commercial standpoint.

S. H.

[We should be pleased to hear from growers giving their opinions as to this cut of callas from that number of plants.—ED.]

Oil Heating Apparatus.

ED. AMERICAN FLORIST:—

We are thinking of installing an oil heating apparatus for our horizontal tubular boilers, namely, one steam and two hot water boilers. We have about 20,000 square feet of glass. Kindly advise us as to cost of installing, also comparative figures of cost of burning oil versus pea coal at \$4.35 per ton in cellar.

F.

Ontario.

Hard coal of the usual grade contains a heat value of about fourteen thousand to fifteen thousand (maximum) British thermal units for each pound of fuel. Pea coal probably runs considerably below this. The heat value of oil fuel is about seventeen to nineteen British thermal units per pound of fuel and in getting at a comparative cost of the two it would be necessary to reduce them to a common basis of measurement. For the burning of oil, special equipment must be installed. The oil will have to be transferred from a tank car or wagon to a storage tank. It is then pumped from the storage tank to the burners and this calls for a motor or steam driven pump, the latter preferred. Oil from the tank, pumped into the circulating system to feed the burners will be greater in quantity than that required merely as fuel, as it will be necessary to have an ample quantity in the pipe system to insure constant fuel supply. A positive pressure blower for atomizing the oil must be installed capable of delivering from one to two pounds of air. An extra burner for each boiler is necessary—a duplicate system, in fact—that the one may take the place of the other in case a burner gets out of order. It is not practicable to put in an automatic regulator for the maintenance of temperature in case of a sudden lowering or rising of the outside temperature. If the control of the oil is in competent hands the saving will be from twenty to thirty per cent if the value, per pound, of the fuels under consideration is equal at the point of delivery. However, this may be lost if oil fuel is improperly handled.

No definite estimate can be made in regard to the cost of the change from coal to oil fuel without more detailed information as regards your plant, etc. The fire boxes will have to be rearranged with the necessary baffle walls to give you the proper

combustion chamber for the use of fuel oils. Each proposition requires a special study of boiler designs and settings. An oil burning device suitable for domestic purposes and hot-houses, using "distillate"—a higher grade of fuel oil used extensively in California—has been invented and is now being introduced in the middle west. The oil is forced from the storage tanks to the burner by water pressure, the city mains or stand pipes being used, the water displacing the oil as the latter is used, and is under thermostatic control. A pilot light is constantly kept burning in the fire box. The results gained from the use of this invention is not known to the writer, but the plan appears feasible. A new form of burner is used on these latter equipments, but may give a smoky flame unless closely regulated. Thermostatic control cuts off the fuel supply when the predetermined temperature is reached. When it drops below this the thermostat opens the valve and the pilot light ignites the fuel automatically. This system probably would prove successful with hot water but would hardly do for steam plants of any size or importance.

[Ed. Note.—We are indebted for the above article to Willis C. Squire, vice-president of the Hauck Mfg. Co., Western Union Building, Chicago, manufacturers of kerosene torches and oil-burning appliances.]

Division of Profits.

ED. AMERICAN FLORIST:—

One party furnishes the land, greenhouse and live stock and the other party furnishes the labor, expenses for plants, tools, etc., to be paid for by the business. How should the profits of such a business be divided?

Alabama, J. H. D.

Answering the query of "J. H. D." it would seem equitable first, for the party furnishing the labor to receive from the proceeds of the business a reasonable amount regularly for his services; second, the value of the plant land, etc., furnished by the other party should be estimated very carefully and he should be allowed from the business 5 per cent interest on his money. He should also have an allowance for depreciation or wear and tear on the buildings.

If the expenses of repairs and maintenance of the buildings come out of the business, then the depreciation should be somewhere from 5 to 10 per cent on the fair cash value of the buildings—perhaps 7 per cent would be an average. This, of course, would depend on the style of construction and the condition of the houses.

Horses and vehicles depreciate at least 10 per cent, as one must consider the danger of death of the horses and accidents to the vehicles. After these matters are agreed upon and deducted from the receipts and all other expenses are paid, the profit remaining may be divided as agreed.

In a small place of ordinary construction and ordinary value, the profits would be very properly divided evenly. In a large place of new and modern up-to-date construction, of course, the owner would be entitled to receive a larger share than the other partner.

W. N. RUDD.

[This query was answered by a number of other correspondents in our issue of June 15, page 1238.—ED.]

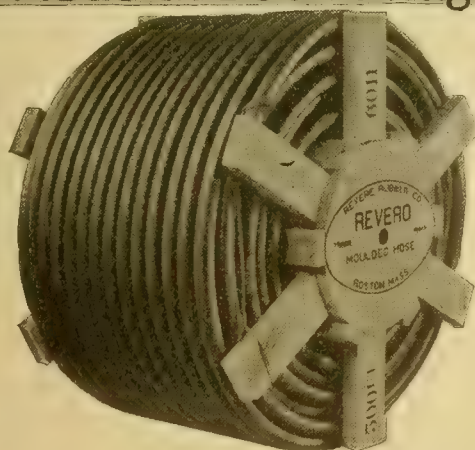
REVERO

GARDEN

HOSE



Revere "Non-kinking" Made in 500 Ft. lengths *Old Style "Kinking"*



WHY buy Garden Hose of the old style (wrapped construction) which readily kinks and the plies easily separate, necessitating couplings when lengths of more than 50 feet are desired? You can avoid all this by buying Revere Garden Hose which is made in 500-ft. lengths, so that you may have any length desired in **one piece**. It will withstand any water pressure. Let your next order be **REVERO**.

REVERE RUBBER

NEW YORK
PHILADELPHIA
CHICAGO
PITTSBURG

C O

BOSTON, MASS.

NEW ORLEANS
MINNEAPOLIS
SAN FRANCISCO

Meetings Next Week.

Baltimore, Md., August 26, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.
 Cleveland, O., August 26, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.
 Lake Forest, Ill., August 28, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.
 Toledo, O., August 28.—Toledo Florists' Club.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Ashbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Ashbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society, John N. Stockwell, secretary, City hall, Cleveland.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society, James MacDonald, corresponding secretary.

Madison, N. J., October 31-November 1, 1912.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America, S. W. Severance, 508 Walker building, Louisville, Ky.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 18 Front street, Worcester.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.
 Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As carnation grower by young man, age 22, with 7 years experience. Best of reference. Please state wages. Middle west or northern states preferred. JOE A. MEYERS, 933 E. St. Catherine, Louisville, Ky.

Situation Wanted—By September 1: German, single, middle age; experience in palms, ferns, bedding plants, forcing stock; good potter. Chicago references. Private or commercial. Chicago preferred. Address, Key 685, American Florist.

Situation Wanted—As working foreman; single. German, strictly sober; good grower of cut flowers and potted plants; good designer, handling help, etc.; state wages in first letter.

Address Key 682, care American Florist.

Situation Wanted—By expert grower and foreman; 40 years' international experience; laid out old world's fair beds; private position preferred; state wages in first letter. Address

Key 690, care American Florist.

Situation Wanted—English, age 28, single, 13 years practical experience in all branches inside and out, well versed in roses, orchids, carnations and general line of pot plants, etc.; have excellent recommendations, open for position early in September. Address Key 687, care American Florist.

Help Wanted—A man (single) to work under foreman in carnation section; state wages expected and references in first letter.

W. W. COLES, Kokomo, Ind.

Help Wanted—First-class greenhouse man; single; for private place. Must thoroughly understand growing of all kinds of plants. References required. 1918 East 40th St., Cleveland, Ohio.

Help Wanted—Gardener for private place; married man only; house and vegetables, etc., free; \$45 per month; must be experienced in trees, flowers, shrubs, vegetables, fruit and light farm work; state experience and references, etc.; steady position to right party. J. A. CHRISTOPHER, 811 Park Ave., St. Louis, Mo.

Help Wanted—A working foreman capable of handling help. An Al grower of Carnations, Mums, Lilies, Easter and Xmas Stock and Bedding Plants. Good wages for thoroughly competent man. Give references in first letter. JOHN RECK & SON, 985 Main St., Bridgeport Conn.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—One 40 H. P. horizontal return tubular boiler, in good condition and cheap. Also 25 boxes 16x18 D.S.A. hand made glass. W. H. BARRETT, Adrian, Mich.

For Sale—6000 ft. glass; 12 acres land; 7 room dwelling; all inside city limits of 6000 inhabitants; only greenhouse; no competition; good business at a bargain. Address MRS. ANNA J. PHARE, Willmar, Minn.

For Sale—"Improved Capito! Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 1/2 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

For Sale—Large new Hothouse, 30x95 ft., standing on corner lot 100x110 ft., with packing shed 10x30 ft. Now planted English Cucumbers. Water laid on to lot and house. Owner must sell, other business to attend to; \$1,700 for whole concern. CLINTON NEWMAN, Grover Ave., Jacksonville, Fla.

Wanted—First class second hand steam boiler capable of heating 25,000 feet of glass. L. C. LEWIS, Pontiac, Mich.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Situation Wanted.

A good carnation grower is open for engagement. Chicago or middle west preferred. Address

Key 683, care American Florist.

Restaurant for Sale

Located on nursery near Chicago; accommodations for 10 to 20 boarders and 10 roomers; have 18 at present; \$400 or less, as per inventory. Write at once.

Key 689, care American Florist.

For Sale

British Columbia Florist and Fruit Business, near important town, with twelve acres bearing orchard—ten thousand and feet glass. Eighteen thousand dollars. BEALBY, Nelson, B. C.

Situation Wanted.

An expert grower, desirous of making a change in the near future, would like to correspond with party requiring foreman or manager, where only the best stock is required. Address

Key 615, care American Florist.

Wanted At Once.**NURSERY MANAGER**

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

FOR SALE.

NURSERY PLANT. High grade small nursery in middle west, well stocked and equipped, all inside limits city of 2,000 population. Buildings cost over \$8,000. Opportunity for two live young men. Account of health, owner will make sacrifice for quick sale.

HENRY LAKE SONS CO., Black River Falls, Wis.

WANTED!

Experienced Rose and Carnation Growers of our new place just being finished. Houses are 60 by 1000 feet. New and modern. State wages, experience and references and when you can come in your first letter. Steady and good position for reliable men.

J. F. Wilcox & Sons, Council Bluffs, Ia.

Seedsman Wanted.

Wanted—young man thoroughly competent for retail seed store. One conversant with seeds, bulbs, shrubs and plants and willing to travel a few months of the year. We have a good opening for the right party. State age, full particulars as to experience and wages wanted.

Northrup, King & Co., Seedsmen
 Minneapolis, Minn.

For Sale

2 water boilers 5 by 14, new flues, used four years. Price \$20 each on board car. 100 red cedar ventilators, with glass, 2 ft. 10 by 3 ft. 6, \$1 each. 10 red cedar doors with frame, \$1.75 each. 400 red cedar gutters, 12c per ft. Purins, gable plates and end bars 3c per ft. The above is all in good condition, nothing over four years old. Photo of boilers on application. GEORGE REINBERG, 162 N. Wabash Ave., Chicago, Ill.

FOR RENT

I have a place to rent at Bayside, consisting of several greenhouses and other land nearby with good crops of flowers now. Houses ready to be filled with good healthy carnations. House in first class condition, to rent with privilege of buying. Two blocks from Trolley Cars and about 10 minutes walk from Railroad Station. Good water supply. For full particulars, apply at once

CHARLES MILLANG, 57 W. 26th St., New York

HELP WANTED.

Catalog man. Applicants should have field experience in seed, nursery and bulb growing. Years of catalog making; advertisement writing and placing; understand printing, lithographing and electrotyping. Some knowledge of photographing for illustration an advantage.

We have farms, greenhouses, nursery. A good chance for the right man.

Livingston Seed Co., Columbus, Ohio.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

FOR QUICK SALE.

Nearly new greenhouse; cement and pecky cypress, on cedar posts; 58,000 sq. ft. under glass; fully stocked; and equipped with piping and all other tools, pots, and a lot of glass, putty, lead and oil; 5 acres of land; 3 new boilers; skimmers; sprinkling system; in good town of 5,000; close to large markets; doing good business. On account of age and poor health must sell at once. This is your chance. Full information on request. Fred A. Gleason, Box 157, Greenville, Mich.

BRECHT'S FLORISTS' REFRIGERATORS



Constructed on scientific principles and perfectly insulated will keep your flowers in good condition by a minimum ice consumption. Built of oak or any other wood desired. All hardware is of solid brass quadruple nickel-plated and the best of French beveled plate glass is used for mirrors and windows.

THE BRECHT PATENTED VENTILATING ICE PAN

the most important and up-to-date development in refrigerator construction is used in all of our refrigerators. It assures a

STRONG CIRCULATION OF DRY COLD AIR.

We build special sizes and styles to order, also refrigerating machinery for mechanically cooling our refrigerators.

The Brecht Company

ESTABLISHED 1853

Main Offices and Factories, 1215 Cass Ave.,
NEW YORK CITY

DENVER

ST. LOUIS, MO.

SAN FRANCISCO

POEHLMANN BROS. CO.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

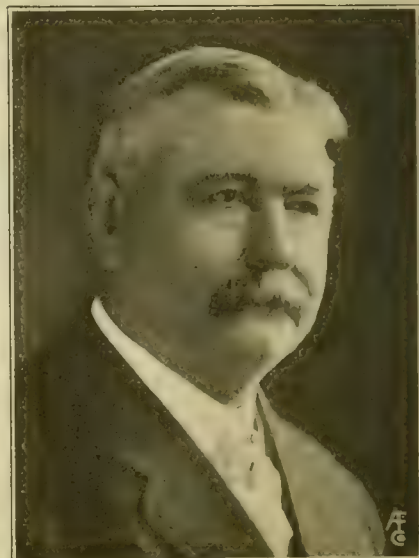
CHICAGO, ILL.



JOHN POEHLMANN, Pres.



AUGUST POEHLMANN, Sec'y. & Treas.



ADOLPH POEHLMANN, Vice Pres.

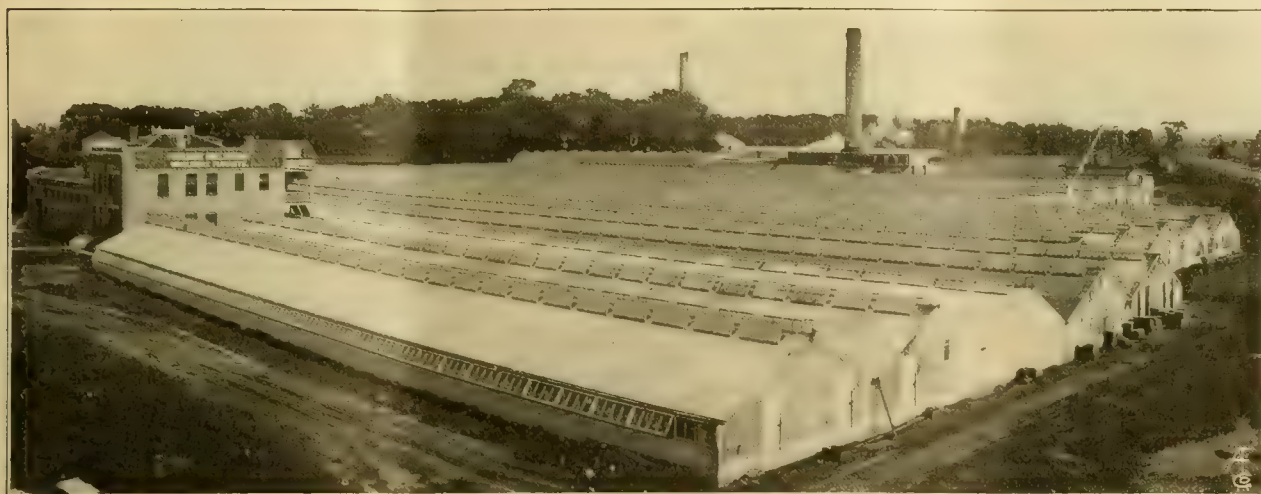
We Extend Our Cordial Thanks

to the many visitors to the S. A. F. Convention who honored us by visiting our store in this city and our greenhouse establishment at Morton Grove, and we hope that our little attention helped make your stay a pleasant one. We regret that the time allotted for entertainment by the Society of American Florists was so short that we could not give each and every visitor personal attention. We hope, however, that your visit has convinced you that we are in the best position with the quantity of stock and facilities to handle your orders for cut flowers in the most satisfactory manner. If you have been convinced of this you should favor us with your orders this fall. Our two latest additions, the

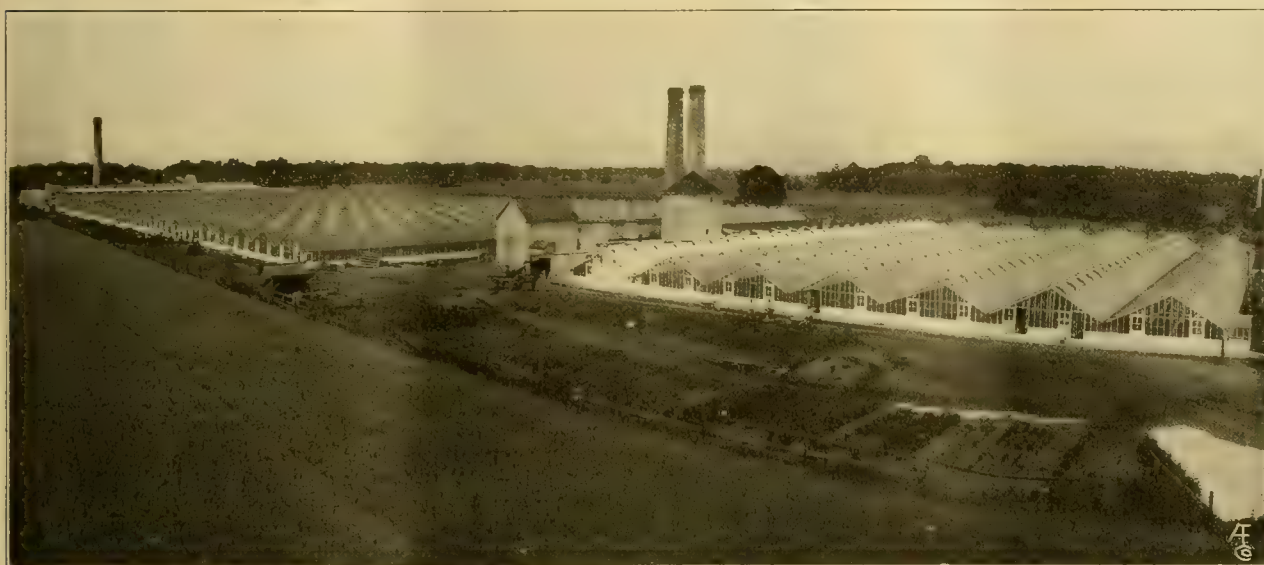
SUPPLY DEPARTMENT AND PLANT DEPARTMENT

should also be remembered for we will have a large supply of goods and a full line of **Xmas Blooming Plants, Palms and Ferns.**

See Cut Flower Price List on Page 304.



PLANT A.



PLANT B.



PLANT C.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

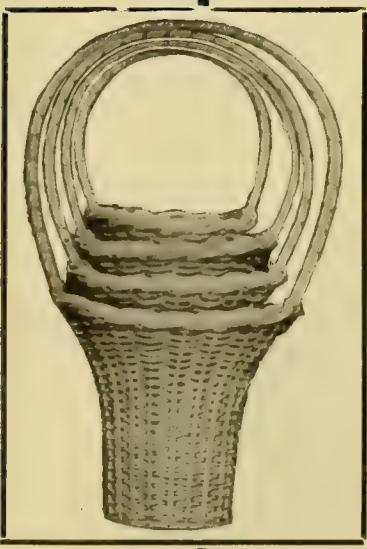
ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

LARGE SUPPLY
of all kinds of
SEASONABLE STOCK
PARTICULARLY
**Roses,
Lilies,
Gladioli
and Asters**

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....	4.00	3.00	2.00	1.00			
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	10.00	8.00	6.00				
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Sweet Peas.....	1.00	.75	.50				
Daisies.....	1.00	.75					
Auratum Lilies.....	8.00	6.00					
Gladioli.....	6.00	4.00	3.00				
Asparagus Plumosus Sprays..	4.00	3.00					
Asparagus Sprengerii Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

Finest Baskets Obtainable



Buy Direct from the Manufacturer and
Save the Middleman's Profit.

We are constantly receiving large shipments of fancy baskets from our mammoth factories in Weidhausen and Ebersdorf, Germany, and will be pleased to hear from you in regard to your future orders. Our line is the best, recognized as such, and our prices are right, so it will be to your advantage to get in touch with us as soon as possible. The best way would be to send \$10.00 or \$25.00 for a sample assortment.

DO IT NOW.

Raedlein Basket Company
713-717 Milwaukee Ave., Chicago, Ill.



O. P. BASSETT.

BASSETT & WASHBURN

Our record of twenty years of successful flower growing and merchandising, during which time the majority of our first customers are still our present customers. The sturdy character of our house is well represented by these pictures of four generations of our family interested in the firm from O. P. Bassett, great-grand-father to Lawrence Story Washburn, 16 months old.



C. L. WASHBURN.

Our flowers are of the same high grade they have always been and we do business on the square. A cordial invitation is extended to all to visit our greenhouses and store. Below will be found a price list of what we grow and sell.

Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft**

**Chrysanthemums Now in Flower. Very Choice Large Yellow Mums.
\$3.00 per dozen.**

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change without notice.

AMERICAN BEAUTIES

	Per doz.
Extra long	\$3.00
22 to 24-inch	2.00
15 to 18-inch	1.50
12-inch	1.00
Short	per 100, \$4.00 to 6.00

KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY AND PEELER Per 100

Extra long select.....	\$6.00 to \$8.00
Medium length	4.00
Short	2.00 to 3.00

CARNATIONS

	Per 100
Extra long, O. P. BASSETT.....	\$1.50 to \$2.00
Extra long, white.....	1.50 to 2.00
Fancy pink	1.50 to 2.00

FINE EASTER LILIES

Per dozen	1.00
Per 100	6.00

LILY OF THE VALLEY..... 3.00 to 4.00

ASTERS, all colors

ASPARAGUS SPRAYS

SPRENGER

ADIANTUM

GALAX—Bronze and Green per 1,000, \$1.00

NEW FERNS

All Seasonable Flowers at market prices.



E. B. WASHBURN.

BASSETT & WASHBURN

131 N. WABASH AVENUE

CHICAGO, ILL.

Greenhouses, Hinsdale, Ill.



LAWRENCE S. WASHBURN.

High Grade Cut Flowers

Bumper Crops for Fall. Place Regular Orders for Roses and Carnations With Us Now.



GREENHOUSES DESPLAINES, ILL.

HOERBER BROTHERS WHOLESALE FLORISTS

162 N. Wabash Avenue : : CHICAGO

VISITORS

En Route to and from St. Louis
to S. A. F. Convention : : :

Are Cordially Invited

to visit the most modern and up-to-date
Wholesale House in the West : : :

C. A. KUEHN

1312 Pine Street

Both Phones - - ST. LOUIS, MO.

FOR GOOD FLOWERS

**GOOD SERVICE AND COURTEOUS
TREATMENT ALWAYS COME TO US**

OUR AIM

is to treat every one right and with this constantly in view we will surely be friends if you will but do your part.



A. L. VAUGHAN

BIG SUPPLY

of summer stock and every arrangement made for fall and winter with the best growers in and around Chicago.

The right of way of life is open to everyone without paying taxes, but you can do business with people worth while without paying the price. Do you get us? We are not here to keep simpletons in business.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.

PHONES { Central 2571
Automatic 48-734

CHICAGO

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Wholesale Growers of Cut Flowers

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.	KILLARNEY, Specials		\$10.00
Specials		\$3.00	Long		8.00
30 to 36-inch		2.50	Medium		6.00
24-inch		2.00	Good Short		\$3.00 to 4.00
18 to 20-inch		1.50	WHITE KILLARNEY, Specials		\$10.00
Short stem	per 100	\$4.00 to 8.00	Long		8.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Medium		6.00
		Per 100	Good Short		4.00
Long		\$8.00 to \$10.00	ASTERS		\$1.00 to 4.00
Medium		6.00	CARNATIONS, fancy		2.00 to 3.00
Short		\$3.00 to 4.00	ORCHIDS, Cattleyas, per doz.		6.00 and up
MELODY, long			EASTER LILIES		12.00
Medium		8.00 to 10.00	VALLEY		3.00 to 4.00
Short		6.00	DAISIES, field		.75
MRS. AARON WARD.			SWEET PEAS		\$0.50 to .75
Fancy Long		\$8.00 to 10.00	ADIANTUM CROWEANUM		1.00
Medium		6.00	SMILAX, per doz.		1.50
Short		3.00 to 4.00	SPRENGERI, PLUMOSUS SPRAYS		\$3.00 to 4.00
LADY HILLINGDON, long			PLUMOSUS STRINGS, extra long and heavy		each .60
Medium		\$8.00 to 10.00	PLUMOSUS, strong, long, medium		each .45
Short		6.00	FERNS		per 1,000 1.50
RICHMOND, Specials			GALAX		per 1,000 1.25
Fancy		8.00	LEUCOTHOE		per 100 .75
Medium		6.00			
Good Short		4.00			
		3.00			

Chicago.

STOCK VERY PLENTIFUL.

The warm weather of the past week has changed the market conditions considerably and stock of all kinds is now much more plentiful with the exception of orchids which are still very scarce. White Killarney roses are arriving in larger quantities but the demand is good and the supply cleans up well. There are plenty of American Beauty roses in all grades and Killarney roses of exceptionally fine quality are in oversupply. Mrs. Aaron Ward roses are none too plentiful but fine lilies are a glut everywhere and do not move. The same may be said of gladioli, although America is having a fairly good call. The supply of other outdoor stock is very large and asters in very large quantities are seen in all the wholesale stores. Greens of all kinds are plentiful and some fine smilax and ferns are obtainable. The convention at the time of this writing has opened and a large crowd of florists from all sections of the country are visiting the great central cut flower market and are agreeably surprised at the large number of stores and the magnitude of some of the establishments. The large supply of stock, including chrysanthemums, is arriving in fine condition and the wholesale men are receiving a great many compliments for the fine quality of the stock that they are handling. Many of the stores have been decorated for the occasion and the supply houses have neatly arranged exhibits and the visitors are loud in their praises for the royal welcome they are receiving at the hands of the local people.

NOTES.

H. Van Gelder, the enterprising manager at Percy Jones' establishment, is having a fine 16-page catalog printed which will soon be ready

for distribution. The cover is beautifully embossed and the highest quality enameled paper is used throughout. Percy Jones used to conduct his business in a space about 20x20 feet but his trade has increased so rapidly of late that a catalog and 3,500 square feet are now needed for his large cut flower and supply trade. Mr. Van Gelder has an able force in his employ and great things may be expected from his firm in the near future.

Dan MacRorie, H. Plath, Angelo J. Rossi and Julius Eppstein and wife, all of San Francisco, Calif., arrived in the city August 16 and have since been informing the trade that their city would like to have the S. A. F. convention in 1915. The party spent a few days in Milwaukee, returning in time to attend the convention. Mr. MacRorie and his friends brought with them 35 new applications from San Francisco florists for membership in the national society.

Richard Vincent, Jr., of White Marsh, Md., president of the Society of American Florists, was met by a large delegation of the trade when he arrived in this city August 16. Mr. Vincent was accompanied by his wife and son, R. A. Vincent, also J. W. Boone and wife, Clifton Park; Harry J. Quick and James Glass, of Baltimore, Md.

N. J. Wieter is so well pleased with the fine condition of the stock in Wietor Bros.' greenhouses that he is making big preparation in anticipation of a banner fall. Gust. Alles, the old reliable storeman at their establishment, has returned from a most enjoyable visit with relatives in Wisconsin.

Herbert E. Smith and family of Danville made the trip to the convention by auto, a distance of 197 miles, leaving Danville at 4 a. m., August 18, and arriving in this city at 5 p. m. the same day.

C. L. Washburn says that work on Bassett & Washburn's new range is progressing very rapidly and that one house is already up. Mr. Washburn thinks a great deal of his new range and says when it is completed it will be second to none in the country.

C. G. Anderson, superintendent of the plant department at Poehlmann Bros. Co.'s establishment, has moved his family and household furniture from Edgebrook to Morton Grove.

Paul M. Paley, of Little Rock, Ark., arrived in the city August 15 to attend the convention and to visit his family, who have been spending the summer at Ravinia Park.

The A. L. Randall Co. had a very large and creditable display of supplies at their store and also a stand at the Coliseum during convention week.

C. C. Pollworth and H. W. Koerner of Milwaukee, Wis., arrived August 19 and immediately staged their exhibit at the convention.

Chas. H. Hudson, representing B. Hammond, Fishkill-on-Hudson, N. Y., was one of the advance guard to the S. A. F. convention.

Zech & Mann had a large quantity of stock to show their visitors this week, particularly lilies and choice roses.

A little baby girl arrived at the home of Arthur Blewitt and wife at Des Plaines Wednesday, August 14.

Henry Wittbold arranged a 70-foot tower consisting of fruits and vegetable tables at Brand's Park this week.

Mrs. Horton of the Bassett & Washburn force has returned from an enjoyable outing at the seashore.

Allie Zech is showing his friend, Arthur Peterson, of Escanaba, Mich., around the city this week.

Mrs. J. B. Deamud is visiting with relatives at Denver, Colo.



N. J. Wietor.

OUR



IS



Henry Wietor.

STILL IN THE RING

FALL
1912ALL
1913

MORE SO THAN EVER

Because the stock in our large range of greenhouses is looking fine, which means that we will have an unusually large supply of high grade cut flowers for fall, particularly **American Beauties, Roses, Carnations and Chrysanthemums.**

YOU SHOULD BE ONE OF OUR REGULAR CUSTOMERS.

WIETOR BROS.

WHOLESALE FLORISTS.

162 N. Wabash Ave.,

CHICAGO

Convention Visitors



Philip Schupp.

We wish to thank you for paying us a visit during Convention week and want you to bear in mind that you are always welcome and always at liberty to make our store your headquarters whenever you are in the city. We will greatly appreciate your fall patronage and assure you that we can give you complete satisfaction. Try us.



A. H. Budlong.

No Order
2
Large.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE

Grower of

CUT FLOWERS

No Order
2
Small.

A meeting of the Cook County Florists' Association was held at the Tavern, West Washington street, on August 15, with President Kohlbrand presiding. Eight new members were elected and two new applications for membership were received. A program is being arranged to give a number of lectures and the first of the series will be announced in the near future.

Poehlmann Bros. Co.'s store was magnificently decorated for the convention and was indeed a very pretty sight. A large number of banners bearing the firm's name and large oak sprays and asparagus strings, together with other greens artistically arranged, gave the store a very beautiful appearance.

Everybody is happy at the J. A. Budlong establishment this week, for Miss Amy Schultz, the popular young stenographer, has returned from a most enjoyable visit in Colorado. The Budlong store was neatly decorated for the convention and presented a most inviting appearance.

Chas. Ebbe of New Orleans, La., is the guest of John Zech this week and it is needless to say that he is in very good company. Mr. Ebbe had a fine exhibit of southern decorative plants and palms at the S. A. F. convention and distributed colored post cards of his store to all his callers.

The Chicago Flower Growers' Association fitted out the entire second floor of their building for the convenience of the visitors to the S. A. F. convention and the large room at times was well filled with guests who greatly appreciated the courtesies that were extended to them.

Fred C. Witthuhn and sons, Fred, Carl and Frank, and Clarence Sund made the trip from Cleveland to the convention by auto, leaving the Ohio city on August 15. The party will leave immediately after the convention for an extended tour through beautiful Wisconsin.

L. Hoeckner has taken the agency for disposing of all the Daily News Co.'s old papers and is now ready to talk business with all the wholesale stores in regard to supplying them with wrapping paper. "Stogie" guarantees best quality at lowest price.

Tim Matchen of the Peter Reinberg establishment, entertained his firm's many customers this week and the visitors were all well pleased with the royal treatment and very favorably impressed with the magnitude of the Reinberg establishment.

Hoerber Bros. will not grow any more asters after this season, having come to the conclusion that there is nothing in it, but will most likely grow more gladioli, for they have had very good success with these flowers this year.

A. L. Vaughan has been busy all week entertaining convention visitors and renewing old acquaintances. Miss Pearson, A. L. Vaughan & Co.'s efficient stenographer, is back from her vacation.

Erne & Klingel are making preparations for fall and are already well assured of a large supply of cut flowers for their ever increasing trade.

John Kruchten's leader this week is a fine grade of Golden Glow chrysanthemums which are now arriving in fairly large quantities.

Frank Ayres, Chas. W. McKellar's popular storeman, has returned from a month's outing in the Canadian wilds.

Chicago Florists' Club.

A special meeting of the Florists' Club was held at the Union Restaurant, West Randolph street, on August 15, with President Foley in the chair. The meeting was largely attended and the chairmen of the various committees made their reports. John Young, secretary of the Society of American Florists and superintendent of trade exhibitions, addressed the meeting and was given a rousing reception. He was warmly applauded at the conclusion of his interesting talk. G. L. Grant, a former president of the club, and J. A. Payne, of the New York Florists' Club, also addressed the meeting.

OMAHA, NEB.—The damage to the Wilcox greenhouse at Manawa by a cyclone has been repaired at a cost of from \$200 to \$400.

BATTLE CREEK, MICH.—The H. A. Fisher Co., retail florists of this place, made an assignment August 8 for the benefit of their creditors.

UTICA, N. Y.—John M. Mattl, for more than 28 years florist and gardener at the Utica State Hospital, has been retired on a pension.

SEDALIA, MO.—The State Board of Horticulture has appropriated from its funds the sum of \$400 for premiums for fruit exhibits at the state fair to be held here September 28-October 4.



She's Steering Straight

For the Largest Range of Glass in America
and the Place where They Sell : : :

THE FINEST CUT FLOWERS GROWN



STEER STRAIGHT AND PLACE YOUR FALL ORDERS WITH US

PETER REINBERG

30 EAST RANDOLPH STREET Long Distance Phone Central 2846 CHICAGO

ERNE & KLINGEL

Wholesale Florists

30 E. Randolph St., L. D. Phone Randolph 6578 Chicago
Automatic 41-716

The S. A. F. convention was a great success and everyone had a most enjoyable time, but, now that it is all over you are naturally going to knuckle down to hard labor and make preparations for the coming Fall. We would like to call it to your attention that when you place your orders for cut flowers we should be taken into consideration, for we have made arrangements with the best growers in this vicinity to handle their output and we are now receiving a full line of all kinds of seasonable stock. Our firm may be young in the field but it is nevertheless old in experience and we feel that we can give you the best of satisfaction when it comes to supplying you with cut flowers. We are so confident of this that we cordially invite you to send us a trial order.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Cincinnati.

MARKET CONDITIONS FAIR.

Market conditions are pretty fair, and the prospects for the immediate future are fairly good. The glut of the poor early asters is about over, and the better later ones arrive in quantity. These, as a whole, are a high average. Gladioli, while still in a large over-supply, are not overstocked as badly as they might be. The choice and fancy ones are selling at least. The poorer grades have no real market at all. American Beauties continue to hold up their reputation as a good seller. Their quality and numbers are both good, and they sell at sight at good prices. The other rose lines are troubled somewhat with a superfluity of short stock that moves only at buyers' prices. The choice blooms, however, sell easily and bring the usual summer prices for good stock. The lily cut of all kinds has let up somewhat and, as a result, the better blooms bring slightly better prices than for some time. There are a few valley on the market, and these sell slowly. The green goods supply is large, with but an ordinary demand in all lines except ferns, which sell well.

NOTES.

The florists' special for Chicago pulled out on due time. The car was well supplied with all accessories necessary for a trip of two thirds of

a day. Among others, the party contained State Vice-President and Mrs. C. E. Critchell; A. C. Heckman, Jr.; W. A. Hollingsworth, Atlanta, Ga.; J. P. Keller, Lexington, Ky.; S. M. Harbison, Danville, Ky.; Chas. Dudley, Parkersburg, W. Va.; Chas. L. Baum and C. W. Crouch and wife, Knoxville, Tenn; and Ed. Schumann, Robert Becker, Jos. Beran, J. A. Peterson and wife and Miss Josephine Peterson; Clarence Peterson; Al. Horning; Geo. Magrie; Miss Mae Carroll; Frank Volz; Max Rudolph and wife; Ray Rudolph; August Hoffmeister and Miss Hoffmeister; Geo. Trome and wife; S. M. Schmitt and wife; R. S. Kelley. E. G. Gillett's party contained, among others, Mr. Gillett, L. H. Kyrk and wife, and C. P. Dietrich and wife, Maysville, Ky.

W. F. Haeger and wife, Chattanooga, Tenn., stopped in town Sunday, en route to Chicago, and L. D. Thompson, of the Dahl Floral Co., Atlanta, Ga., stopped on Monday.

J. W. Garvey, of Indianapolis, was on Saturday and Sunday the guest of his brother Charles of Peter Weiland's place.

Wm. Gardner came from New Castle as far as this city with his mother, who is returning to her home in Canada.

Mrs. E. G. Gillett and daughter left for Traverse City, Mich., where Mr. Gillett will join them after the convention.

O. C. Heberling and family, of Georgetown, Ky., were in the city while on an auto trip last week.

Wm. Lodder, of Hamilton, was in town on Monday. He arrived home from Quebec the previous day.

Frank & Sons, of Portland, Ind., are shipping fine Kaiserin and My Maryland to L. H. Kyrk.

Gus. Brunner has hiked for northern Michigan to get out of the hay fever zone.

Ray Murphy and Wm. H. Gear left on Wednesday for the convention city.

C. E. Critchell is getting in very good smilax from the Rosebank Co.

P. J. Olinger went to Chicago on Saturday to attend the convention.

St. Louis.

TRADE AT STANDSTILL.

The weather warmed up considerably during the last week and trade was at a standstill, the only outlet being funeral work. Carnations are short stemmed and of small blooms. Tuberoses are arriving more freely. Early yellow chrysanthemums, Golden Glow, have made their appearance. Asters and gladioli are still very plentiful.

NOTES

A jolly crowd left Union depot Monday morning, August 19, enroute to Chicago. Wholesalers, retailers, and growers were all included and



JOHN B. DEAMUD.

"The Busiest House
in Chicago"

GLAD YOU CAME

Hope you had a good time.
We tried to make it pleasant
for you. : : : :



WILDER S. DEAMUD.

DID WE DO IT?

"Should Old Acquaintance Be Forgotten?"
Should New Acquaintances Be Forgotten?

J. B. DEAMUD CO.

160 N. WABASH AVENUE : CHICAGO, ILLINOIS

Here We Are Again!

The same as last year with the finest line of cut flowers in the Chicago Market. All the leading varieties of Roses, Carnations, Chrysanthemums and a full line of all other seasonable flowers and greens. Place a regular order with us and we will serve you to the best of our ability. : :

ZECH & MANN

162 N. Wabash Avenue : : CHICAGO

all were anxious for a good time. F. H. Weber, our vice-president, was all over, getting every one together. Fred is a hustler and made a hit as chaperon. He has put St. Louis on the map, getting quite a number of new members. Frank Windler, Charles Beyer and Fred Bruenig decorated the cars with pink Killarney roses and asters.

C. A. Kuehn has quite a variety of all cut flowers and is first in the field with Golden Glow chrysanthemums. He is also getting some fancy gladioli

and asters. George Schreiner is drumming up trade through the telephone, trying to break up the summer dullness.

F. X. Gorly attended the convention of the Royal Order of Moose at Kansas City, August 19, and left there for the S. A. F. convention at Chicago the latter part of the week. Vincent Gorly and wife also attended.

Angelo J. Rossi, Dan MacRorie and H. Plath, all of San Francisco, Calif., stopped over August 15 to see the city. They took in the wholesale dis-

trict and highly praised C. A. Kuehn's modern wholesale house.

George Angermueller has returned to the city accompanied by Mrs. Angermueller. They left here August 19 for the convention.

At H. G. Berning's a supply of good summer American Beauty roses is in. They are of good color and of medium length.

John Connon is taking a vacation in Canada. He expects to be at the convention.



AU REVOIR

BUT NOT

GOOD BYE

Chas. W. McKellar

22 East Randolph Street, Chicago

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers
and Greens

Gardenias a Specialty

A Trial Order Solicited

Mullanphy, the florist, will hold an opening September 6-7 to usher in the fall season. All local florists are invited. Music will be furnished both days.

Fred Ostertag is very seriously ill. His daughter Helen also is having bad luck as she had to have her finger amputated to prevent blood poisoning.

There is a great rivalry between the Grimm & Gorly's baseball team and Mullanphy's. The Grimm & Gorly team won Sunday.

H. G. Berning and wife are attending the convention. W. F.

San Francisco.

CHRYSANTHEMUMS COMING IN.

Chrysanthemums are coming in. The coming reign of fall was heralded by the arrival of the Yellow Princess and Golden Glow, on August 12, but not before the violet had been welcomed by its many admirers. These two additions during the week have materially helped to give variety and a tone to florist stock it has lacked for some time. Violets alone are such a staple here that during the few months they are out of flower, nothing else seems to merit so well the popular favor. Market conditions and quotations continue the same as last week. Excellent Ulrich Bruners on four foot stems are the best roses offered. This stock is outdoor grown and sent in by the Conchi Co., of Colma. Aaron Ward is in demand and very scarce; Mrs. Taft is very poor, and one of the best sellers is the dahlia "Minnie Burgle," a splendid decorative flower originated by a local gardener. Amaryllis belladonna is coming in plentifully while sweet peas are about through. Judging by the loads of asters arriving daily and the ridiculous prices paid for them, half the area devoted to asters would be better planted to cabbage.

NOTES.

Fred Jaeger, of the Fairmount Floral Co., points with pride to a number of immense plate mirrors to be used in

BOSTON FLOWER EXCHANGE

Will Hold Their Annual

Auction Sale of Stalls

—ON—

Saturday, August 31, 1912

At 9 o'clock a. m.

Sale To Be Held in the Market

—AT—

C. PARK STREET

BOSTON, MASS.

PER ORDER BOARD OF DIRECTORS

the complete redecoration of his store. All the shelving and rubber cases are to be removed to the rear of the shop and replaced by elaborate stucco, plaster and mirror decorations.

During their recent trip through the central part of the state, H. Plath and D. Raymond visited the nursery of Schmitz & Dobner at Stockton. As usual, the jolly pair of Stocktonians entertained their visitors to their fullest capacity.

Podesta & Baldocchi report that with the return of many residents from their vacations, business has increased. This firm has the honor of the first vase of mums on sale this season.

Mrs. V. Matraia, florist at the Emporium, reports a steady demand for Cecile Bruner, largely by eastern lady visitors, who fairly rave over this little gem.

Bob Bernadou, of E. Serveau's Post street store, is an enthusiastic admirer of Aaron Ward; he claims it sells on sight.

Rudolph Hackel is about to remodel his store. Fittings for the purpose are now on the way from the East.

E. James and Frank Pelicano took a trip to Pacific Grove and Monterey, last week.

M. F. Williams, with Clarke Floral Co., of Portland, is in town.

Morris Goldenson is up from Los Angeles. T.

OGDEN, UTAH.—B. Van der Schuit, superintendent of the public park system here, is putting up an additional greenhouse, 22x40 feet, at a cost of \$1,000.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

Percy Jones

56 E. Randolph St., CHICAGO

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Cleveland.

TRADE FAIR FOR AUGUST.

Asters and gladioli are very plentiful. The good stock sells fairly well at prices below the average, but the poorer grades find little or no sale at any price. Business has been fairly good for August so far. Carnations cut hardly any figure, so few coming in as to make it barely worthy of notice. Some outdoor stock began to arrive Saturday. Since we have had a few days of sunshine the sweet peas have shown some improvement in quality, and have a fair demand. Lily of the valley and orchids are quite scarce. Easter lilies have been hard to find the past week, but are now again on the increase. Roses of all kinds have been quite plentiful until a few days ago, when the weather turned decidedly cooler. Aaron Ward and sunburst roses are coming in now, and the color and size of the flowers are excellent. American Beauties are in good demand and stock is exceptionally fine. Dahlias are increasing in supply, some very good Sylvia arriving in limited quantity. The water lily season is nearly at an end. Pink and white Jap lilies have a good call. Greens of all kinds are plentiful.

NOTES.

The convention this week will take a number of Cleveland florists to Chicago. Ben Hart and a party left Wednesday, August 14, making the trip by easy stages and visiting friends along the way. Geo. W. Smith, L. L. Lamborn, John Kirchner and H. P. Knoble left Sunday morning in Mr. Smith's automobile. F. Wilhelm and sons also left Sunday morning. The other florists all went by rail. Mrs. Geo. W. Smith left Tuesday morning to join Mr. Smith in Chicago, from where they intend to visit Milwaukee and Lake Waukesha and other points of interest in their machine.

The florists' picnic this year was a success. Everyone reports a good time. The weather conditions were ideal.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET
 CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Aug. 21.	Per doz.
Roses, Beauty, specials.....	3 50@ 4 00
" " 36-in.....	3 00
" " 30-in.....	2 50
" " 24-in.....	2 00
" " 15-20-in.....	1 25@ 1 50
" " 12-in.....	75@ 1 00
" " Short.....	Per 100
" Killarney.....	4 00@ 8 00
" White Killarney.....	3 00@ 10 00
" Richmond.....	3 00@ 10 00
" Prince de Bulgarie.....	3 00@ 10 00
" Radiance.....	3 00@ 10 00
" Mrs. Aaron Ward.....	3 00@ 10 00
" My Maryland.....	3 00@ 10 00
" Melody.....	3 00@ 10 00
" Bride.....	3 00@ 10 00
" Bridesmaid.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Kaiserin Augusta Victoria.....	3 00@ 10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, per doz.....	3 00
Asters.....	1 00@ 3 00
Cattleyas, per doz.....	6 00@ 7 50@ 9 00
Daisies.....	75
Feverfew..... per bunch.....	35@ 50
Gardenias.....	3 00
Gladioli..... per doz.....	75@ 1 00
Lilium Harrisii..... per doz.....	1 50 8 00@ 10 00
Marguerites.....	1 00@ 1 50
Stocks fancy..... per doz.....	50@ 1 00
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.....	1 50
Galax.....	1 25
Leucothoe.....	75
Plumosa String..... each.....	60
Smilax..... per doz.....	1 50@ 2 00
Sprengerii, Plumosa Sprays.....	3 00@ 4 00

The usual sports were enjoyed by all, races and games for all from 3 years old up. The ball game this year was won by the wholesale team by a score of 5 to 1.

Five thousand peony roots have been donated to the city for a big municipal peony field by E. A. Reeves, nurseryman and landscape architect.

Miss Nettie Heidemann spent a week at Detroit and Lakeside. C. T. B.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
 Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO
 Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **Cut Flowers**
 Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
 Princeton, Ill.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



BRONZE GALAX

\$7.50 per Case

Large leaves, clean, no waste.

SPHAGNUM MOSS,

6 Bbl. Bales, \$2.00.

DAGGER FERNS

\$1.50 per 1000

\$1.25 per 1000 in case lots. 5-6000 ferns to a case.

Special price in quantity.

THE LEO NIESSEN CO., Wholesale Florists,
N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.****BRONZE GALAX**

Guaranteed to be the best stock.....\$5.00 per case; 5 or more cases, \$4.50 per case.

C. E. CRITCHELL,WHOLESALE COMMISSION FLORIST
34-36 E. Third Avenue**Cincinnati, Ohio****EASTER LILIES**All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio**Young Rose Stock**American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000**W. H. ELLIOTT,****Brighton, Mass.****Welch Bros. Company,**

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.**Charles H. Totty**

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

**EVERYTHING
SEASONABLE****THE McCALLUM CO.,** Cleveland, Ohio
Pittsburg, Pa.**Wholesale Flower Markets**

ST. LOUIS, Aug. 21.		Per 100.
Roses, Beauty, short stems.....	3 00@	6 00
" Killarney.....	2 00@	4 00
" My Maryland.....	3 00@	5 00
" White Killarney.....	2 00@	6 00
Asters.....	2 00@	4 00
Easter Lilies.....	8 00@	10 00
Gladioli.....	2 00@	3 00
Valley.....	3 00@	4 00
Asparagus Sprengeri.....	2 00@	3 00
Asparagus Plumosus per bu., 35@60,		
Ferns, New, Fancy.....		1 50

CINCINNATI, Aug. 21.		Per doz., 50@	3 00
Roses, Beauty.....	per doz., 50@	3 00	
" Bride, Bridesmaid.....		2 00@	8 00
" Killarney.....		2 00@	8 00
" My Maryland.....		2 00@	8 00
" Perle.....		2 00@	8 00
" Richmond.....		2 00@	8 00
" Taft.....		2 00@	8 00
Asters.....		1 00@	3 00
Lilium Auratum.....		8 00@	12 50
Lilium Giganteum.....		8 00@	10 00
Gladioli.....		2 00@	4 00
Lily of the Valley.....		3 00@	4 00
Adiantum.....			1 00
Asparagus Plumosus.....	per bunch,	25	
Asparagus Sprengeri.....	per bunch,	25	

Wholesale Flower Markets

BUFFALO, Aug. 21.		Per 100
Roses, Beauty, special.....	20 00@	25 00
" " fancy.....	15 00@	20 00
" " extra.....	12 00@	15 00
" " No. 1.....	6 00@	10 00
" " No. 2.....	2 00@	4 00
Maid and Bride.....	3 00@	6 00
Pink Killarney.....	3 00@	6 00
White Killarney.....	3 00@	6 00
Richmond.....	3 00@	8 00
My Maryland.....	3 00@	6 00
Kaiserin.....	3 00@	8 00
Carnot.....	3 00@	7 00
Carnations.....	1 00@	2 00
Cornflowers.....	per bu., 5	
Asters.....	50@	2 00
Gladioli.....	2 00@	4 00
Lilium Longiflorum.....	7 00@	10 00
Lily of the Valley.....	3 00@	4 00
Pink Japan Lily.....	3 00@	4 00
Snaydragons.....	1 00@	1 50
Swainsona.....	50@	1 00
Sweet Peas.....	per bu., 4@6c	
Adiantum Croweanum.....	75@	1 50
Asparagus, per bunch.....	35@	50
Asparagus, Sprengeri.....	35@	50
Ferns.....	per 1000, \$1 50	
Galax.....	per 1000, \$1 50	
Smilax.....		15 00

BOSTON, Aug. 21.		Per 100
Roses, Beauty, best.....	20 00@	25 00
" " medium.....	12 00@	20 00
" " culls.....	50@	1 00
" Bride, Bridesmaid.....	1 00@	6 00
" " Extra.....	1 00@	6 00
" Killarney and Richmond.....	2 00@	8 00
" My Maryland.....	2 00@	8 00
" Carnot.....	6 00@	8 00
Carnations, select.....	1 50@	2 00
Callas.....	8 00@	12 00
Cattleyas.....	50 00@	60 00
Gardenias.....	8 00@	10 00
Lilium Longiflorum.....	6 00@	8 00
Lily of the Valley.....	2 00@	4 00
Sweet Peas.....	25@	35
Smilax.....	12 00@	16 00

LIBERTYVILLE, ILL.—The Meredith
Flower & Vegetable Co. has increased
its capital stock from \$10,000 to
\$35,000.Give Us a
Trial
We Can
Please You.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.**Fresh Cut Valley**

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.**Columbus, Ohio****Pittsburgh Cut Flower
Company**

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

CC. POLLWORTH CO.

Advise Planting Formosa Lilies now.
Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**



E. G. GILLETT

WHOLESALE COMMISSION FLORIST

Manufacturer of

SUPERIOR WIRE WORK
FOR FLORISTS

SEND FOR CATALOGUE

Consignments of all kinds of Cut Flowers solicited
Prompt sales with check every week

I Sell Ohmer's Florida Cut Fronds
of Asparagus Plumosus.

131 East 3rd Ave., CINCINNATI, OHIO

THE J. M. McCullough's Sons Co., Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Budding Knife Free.
See Page 316.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Aug. 21.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Daisies.....	50@ 1 00
Gladioli.....	2 00@ 4 00
Lilium Giganteum.....1.25 doz.	8 00@10 00
Sweet Peas.....	50
Swainsona.....per bunch,	25
Asparagus.....per string,	50
" Sprengerl, per bunch,	25
Ferns, Fancy.....per 1000,	1 50
Galax.....per 1000,	1 50
Smilax.....per doz.,	2 00

PITTSBURGH, Aug. 21.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@25 00
" No. 1.....	6 00@10 00
" Bride, Bridesmaid.....	2 00@ 4 00
" Chatenay.....	2 00@ 4 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	2 00@ 4 00
" Richmond.....	2 00@ 4 00
Asters.....	50@ 1 50
Cattleyas.....	50 00
Gladioli.....	2 00@ 4 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Sweet Peas.....	50
Adiantum.....	1 00
Asparagus Sprengerl, per bunch,	35
" Sprays.....per bunch,	35

PHILADELPHIA, Aug. 21.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Dahlias.....	2 00@ 3 00
Gardenias.....per doz.,	1 00@2 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch,	50
Smilax.....	15 00@ 2 00

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone.

L. P. WALZ, Mgr

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,

ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street,

ST. LOUIS, MO

Mention the American Florist when writing

New York.

MARKET IS SWAMPED.

Quiet as business was last week, this week is more so. The market is swamped with gladioli and asters, and there is very little demand. If there is a price for anything it is orchids, which are in very light supply. The new crop of roses are very short stemmed and of poor quality. American Beauties are improving in quality and meeting with better demand. The retailers are making extensive window displays of golden rod and hydrangeas. Carnations have practically disappeared from the market. Lilies are very plentiful.

NOTES.

Gottlieb Myer, the popular retail florist of Madison avenue and Fifty-eighth street, is now located in the Plaza Hotel, where he will conduct the flower store formerly managed by Thorley & Leikens. Mr. Myer will conduct this as a branch to his present attractive store. The store in Fifty-seventh street that was occupied by J. G. Leikens is now closed.

Joseph A. Manda, president of the New York Florists' Club, is erecting three large houses at West Orange, N. J., which will be devoted to orchids.

"Bert" Chadwick is spending his vacation in London, Canada, being missed by the local team in the convention tournament.

Mrs. A. M. Henshaw is slowly recovering from another serious operation, the second in a few months.

The "boys" at home are anxiously awaiting news of the delegation that left for Chicago Monday.

The new pink rose which Chas. H. Totty is sending to Henshaw & Fenrich is making a big hit.

Henry Siebrecht & Son are completely renovating their handsome store on Fifth avenue.

September 9 will be the next club night, at which time convention talks will be in order.

The Foley Mfg. Co. is erecting four new houses for Anton Schultheis, College Point, L. I.

John A. Payne, who represents this firm in the East, is now in Chicago.

Y.

Pittsburg.

BUSINESS REMAINS QUIET.

Business was quiet during the past week and funeral work, of which there was considerable, was the main factor in the retail stores. Not many American Beauty roses are seen, nor is there much demand for them. Good stock, for the season, of Killarney White Killarney, My Maryland and Kaiserin keeps coming in. The large and long stemmed asters are now in fair quantity. Gladioli are almost a glut, and a sprinkling of carnations is yet seen. Some very creditable dahlias were on the market Saturday, August 17, and they will soon be here in quantity. The general business outlook for this city and the Turtle Creek Valley, the seat of many great industries, is better than it has been for a number of years and the florists expect their share of prosperity.

NOTES.

The convention delegation left the Union Station at 9:15 a. m., August 19, over the Pennsylvania railroad. It included P. S. Randolph and Mrs. Randolph, P. S. Randolph, Jr., Miss McKenny, E. C. Ludwig and Mrs. Ludwig, De Forest Ludwig, Edward Ludwig, Wm. Falconer, Wm. Loew, Fred Burki and son, E. C. Reinemann, J. F. Zimmerman, and Jos. Thomas, and J. N. Harber of Greensburg. Geo. W. Burk and J. W. Jones went on an evening train.

The central flower committee of the Pittsburg Playground Association, of

Asters! Asters! Asters!

GET THE BEST.

We make regular shipments to customers in the Middle, Central and New England States.

Firsts	\$1.00 per 100
Extras	1.50 per 100
Fancy	2.00 per 100
Special	\$2.00 to 3.00 per 100

GEO. B. HART,

WHOLESALE FLORIST,

24 to 30 Stone St., ROCHESTER, N. Y.

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

P. H. GOODSSELL,

200 Broadway, New York City

J. J. HUNTER W. E. MAYNARD

Supt. of Sales Rooms and Warehouse Mgr. Sales Dept. (Basem't)
157-159 William St., New York

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

Auction
SALE OF STALLS

The 9th annual sale will
take place on

Saturday, August 31, 1912

at 9:30 A. M.

All interested growers are
requested to attend the same

BOSTON CO-OPERATIVE FLOWER MARKET

2 Park St.,

BOSTON, MASS.

nues. As there is no other florist in the immediate vicinity it should prove a good location.

Calvin Rice and A. S. Rice of Rice Bros., accompanied by their wives, will attend the convention and from Chicago they will proceed to Kalamazoo, Mich., their old home, to spend a week.

C. Elmer Frey, of Lincoln, Neb., spent a day looking over the stores and greenhouses of this city. The Frey family are spending the summer at their summer home at Nisswa, Minn.

The Amundson shop in the new Andrew's Hotel presents a fine appearance. Since Mr. Amundson is re-established after the old Hotel Brunswick fire he reports a good outlook.

John Munson, of the Minneapolis Floral Co., is on the sick list. Mr. Munson is suffering from stomach trouble and his doctors are undecided at this time as to an operation.

A number of local florists are this week attending the Chicago convention, and with a fair business outlook it should make the stay-at-homes hustle.

John Rovik, who has charge of the cut flowers at Rice Bros., has returned from his vacation and is in good condition now for the coming season.

The Central Floral Co., Twenty-sixth street and Central avenue is remodeling its houses and getting in shape for the coming season.

C. F.

Minneapolis.

BUSINESS GOOD.

An exceptionally fine lot of outside stock is constantly coming into this market. Roses are good and carnations also are fair. Mums are coming in fine condition with a good demand. The general business the past week has been good. Some of the retailers claim business is not up to the standard but others are well satisfied and from the way stock is moving from the wholesalers they ought to be. Funeral work and a few weddings are helping out.

NOTES.

John Duncan, the landscape architect, is erecting a fine range of greenhouses at Thirty-sixth and Grand ave-

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies

**Charles Millang**

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK.
Telephones: 7062-7063 Madison.**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephones, 3559 Madison Square.

54 West 28th St., NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere

Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS
 The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by the 100, 1000 or 10,000. Consignments Solicited.
 Telephones, 1328, 1998 Madison Square
49 West 28th Street New York City

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago**Wholesale Flower Markets**

	NEW YORK, Aug. 21,	Per 100
Roses, Beauty, special.....	15 00@25 00	
" extra and fancy ..	8 00@12 00	
" No. 1 and No. 2 ..	1 00@ 6 00	
Bride, Bridesmaid.....		
" extra and fancy.....	3 00@ 4 00	
" No. 1 and No. 2.....	50@ 2 00	
Killarney, My Maryland..	3 00@ 5 00	
" extra and fancy ..	3 00@ 3 00	
" No. 1 and No 2 ..	50@ 2 00	
Taft, Hillingdon, Aaron		
" Ward.....	50@ 5 00	
" Richmond.....	50@ 2 00	
Asters.....	50@ 2 00	
Carnations.....	50@ 2 00	
Cattleyas.....	20 00@50 00	
Gardenias.....	8 00@15 00	
Lilies, Longiflorum and Harrisii ..	4 00@ 8 00	
Lily of the Valley.....	1 00@ 2 00	
Adiantum Croweanum.....	15@ 25	

M. C. FORD

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
Shippers of

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888

1912

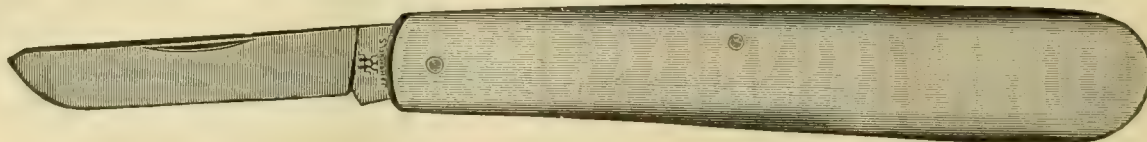
GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

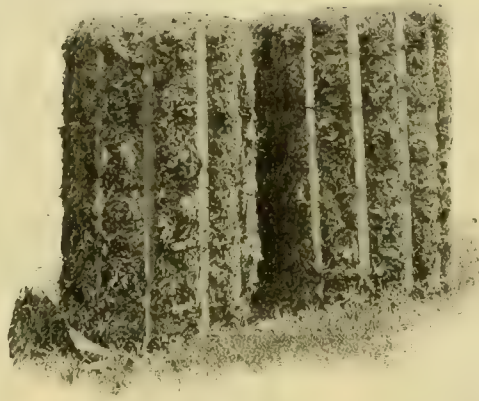
The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.



SPHAGNUM MOSS

CLEAN STOCK

12 Bbl. Bale, \$4.50

Green Turf and Live Sphagnum Moss

\$1.50 per barrel

JAMES DAY, Milford, N. H.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax New crop Fancy and Dagger Ferns now ready.

Write, wire or phone,

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN.

ALA.

Mention the American Florist when writing

Wyomissing, Pa.

The visitor to Reading should not neglect to visit Wyomissing also, and especially if he is interested in peonies. Here is found the handsome home and nurseries of the popular president of the Peony Society, Bertrand H. Farr. He is a busy man and his home and his flowers are dear to his heart.

A visit to the range of the Heck Brothers is worth while. The range is not large, about seven thousand square feet, but it is well kept. The entire range was equipped last season; this year a new potting shed and office has been built; the grounds are beautiful with bedding work, and the Heck Brothers are both young men.

BALTIMORE, MD.—At a recent meeting of the trustees of the Maryland Agricultural College a special School of Horticulture was provided for.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood, ...per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets, \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers

In all kinds of Evergreens



Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

We Are Now Booking Orders for Southern Wild Smilax

Shipment commencing Sept. 1st.
Natural and Perpetuated Sheet

MOSSES

E. A. BEAVEN, Evergreen, Ala.

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of quality and quantity.

E. FRIEDL, Phillips, Wis.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heintz & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail Telephone, Telegraph and Cable orders with best quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Slevens & Boland
FLORIST

60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
622 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

August 27.
FROM BOSTON, Laconia, Cunard.
FROM BOSTON, Arabic, White Star, 10 a. m.
New Amsterdam, Holland-American, 10 a. m.
August 29.
FROM MONTREAL AND QUEBEC, Lake Champlain, Can. Pacif.
Baltic, White Star, 12 noon.
K. Auguste Victoria, Ham.-Amer., 11 a. m.
Hellig Olav, Scan.-Amer., 2 p. m.

August 30.
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.

August 31.
Columbia, Anchor, 10 a. m., Pier 64, North River.
FROM MONTREAL, Ultonia, Cunard.
Virginie, French, Pier 57, North River.
Philadelphia, American, 9:30 a. m., Pier 62, North River.
FROM PHILADELPHIA, Merion, America, 10 a. m.
Kronland, Red Star, 10 a. m., Pier 61, North River.

September 1.
FROM MONTREAL, Sicilian, Allan.
Siddons, Lamport & Holt.

September 3.
Franconia, Cunard.
Noordam, Holland-America, 10 a. m.
Kaiser Wilhelm der Grosse, North Ger. Lloyd, 10 a. m.

September 4.
Campania, Cunard.
FROM BALTIMORE, Neckar, North Ger. Lloyd, 2 p. m.
Kaiser Franz Joseph, Austro-Amer., 1 p. m.

September 5.
Carpathia, Cunard.
La Lorraine, French, 10 a. m., Pier 57, North River.
Cedric, White Star, 12 noon.
Cleveland, Ham.-Amer., 12 noon.
George Washington, North Ger. Lloyd, 10 a. m.
Venezia, Fabre, 3 p. m.
C. F. Tietgen, Scand.-Amer., 2 p. m.
Byron, Lamport & Holt, 9 a. m.

September 6.
FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Allan.
Maracas, Trinidad, Pier 24, Brooklyn.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
And give special attention to steamer and theater orders. Prompt deliveries and best stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to IRWIN BERTERMANN, Secretary, 241 Massachusetts Ave., Indianapolis, Ind.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock: the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any
town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, H. N., Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Samuelson, 2132 Michigan Av., Chicago.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 153 E. 110th St., New York.
Walker & Co., Louisville, Ky.
Webber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.
Zieger Co., Inc., Pittsburg.

J. A. VALENTINE, Denver, President.
W. J. PALMER, Buffalo, Vice-President.
W. L. ROCK, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Wienhoeber, Philip Breitmeyer,
A. B. Cartledge, W. F. Gude, George
Asmus, Fred H. Meinhardt.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good
Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

A orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Samuelson, 2132 Michigan Ave.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Newark, Ohio—Chas. A. Duerr.
Nashville, Tenn.—Geny Bros.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York, Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg—John Bader Co.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : ;

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
98 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

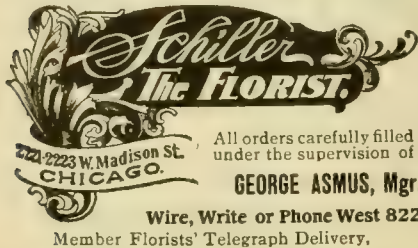
GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The Florist.
2223 W. Madison St. CHICAGO.
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS
PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman
(Successor to Geo. A. Heint)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Saltford Flower Store"
Vassar College and Bennett School

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Buffalo.

GLADIOLI IMPROVING.

The last week has been remarkable for the different kinds of weather—warm, cold, rainy, everything but what the florist would like to see. Flowers are equal to all demands and gladioli are getting plentiful and much better in quality. "America" is very good.

NOTES.

S. A. Anderson had all of his employees and their families as his guests at his summer home, Farnham, N. Y., on the south shore of Lake Erie, Tuesday, August 13. A special car took the party to Farnham, where the first part of a pleasant day started in a ride of 3 miles to the lake on a hay rack. At the home they were welcomed by Mr. and Mrs. Anderson, who had provided a sumptuous dinner, after which there was boating, bathing, ball games and a pleasant hike up the beach. Supper was served at 6 and at 9 p. m. the return trip began.

Recent visitors on their way to Chicago were S. T. Green, of Bayersdorfer & Co.; Shock, of M. Rice & Co. Edward Sceery, of Paterson, N. J., was also a visitor on his return from British Columbia, California and Oregon. Mr. and Mrs. Sceery and Miss Sceery have been away about two months.

After the convention it will be up to the florists' club to get busy and have everything ready for the flower show as the growers in this vicinity are going to try and have a fine lot of stock. The park department and J. J. Albright expect some extra fine chrysanthemum plants.

W. F. Kasting, Prof. John F. Cowell and Albert Hutter motored to Chicago for the convention in Mr. Kasting's car. S. A. Anderson, D. Scott, J. Streit, J. B. Wiese, F. C. Brown and Chas. Sandford went by rail, while others went by boat.

S. A. Anderson is putting up a propagating house, 12x60.

R. Irwin, of Philadelphia, Pa., called on his way west. BISON.

PAWTUCKET, R. I.—The annual flower show of the Central Falls Field Naturalist Society opens Saturday, August 24, and will continue through the next day.

Schenectady, N. Y. Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388, Camb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.
CUT FLOWERS AND PLANTS.

Phone: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS
1406 Olive Street,
Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Randolph 4708. Nursery, Rogers
Phones: Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsteriana—Made up			
Pot	Leaves	In. high.	Each	Cedar tub	Plants	In. high.	Each
2½-in.	4	8 to 10.....	\$ 1 50	7-in.	4	36 to 40.....	\$ 2 50
3-in.	5	12.....	2 00	7-in.	4	40 to 42.....	3 00
4-in.	5	15.....	3 00	9-in.	4	42 to 48.....	4 00
5-in.	6 to 7	18.....	4 00	9-in.	4	48 to 54.....	5 00
6-in.	6 to 7	24.....	5 00	9-in.	4	5 ft.....	6 00
Cedar tub	Leaves	In. high.	Each	12-in.	4	5½ to 6½ ft.....	7 50
7-in.	6 to 7	34 to 36.....	2 50	Pot			15 00
9-in.	6 to 7	40 to 45.....	4 00	5-in., nicely characterized.....			Each
9-in.	6 to 7	42 to 48.....	5 00	6-in., 18 to 20-in. spread.....			\$1 00
9-in.	6 to 7	48 to 54.....	6 00	Cedar tub	High	Spread	Each
9-in.	6 to 7	5 ft.....	8 00	7-in.	18-in.	24-in.	\$2 00
9-in.	6 to 7	6 to 7 ft.....	10 00	Cedar tub	Spread		Each
Pot	In. high		Per 100	9-in.	4 feet.....		\$3 00
2½-in.	8 to 10.....		\$10 00	9-in.	5 feet.....		5 00
9 in.	Several	5 ft.....	\$7 50	9-in.	6 feet.....		6 00
Cocos Weddelliana				Phoenix Roebelenii			
Areca Lutescens				Cibotium Schlegelii			

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

Geraniums

Rooted cuttings of S. A. Nutt, and Ricard at \$10.00 per 1000; Poitevine at \$12.50 per 1000. These prices hold good only until Oct 1st.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington.....	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon.....	6 00	50 00
May Day.....	5 00	40 00
Sangamo.....	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.

DES PLAINES, ILL.

ROSES

We still have Brides, Maids, Beauties, Ivory, Uncle John and Kaiserin. Variegated and Green. Vintas, Rooted Cuttings and 3-inch. Ferns, Bostons, Asp, Sprenger, Plumous, Maidenhair, Roosevelt, Whitmani and small ferns.

Special price on large plants of Whitmani and Bostons. Ask for same
GEO. A. KUHLE, Pekin, Ill.

CARNATIONS

Last Call for Field Grown Plants
Hence Reduction in Prices.

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them A1 Value—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$5.00	\$45.00	Victory	\$5.00	\$45.00
Pink Enchantress	5.00	45.00	Winsor	5.00	40.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA.

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

BEVERLY, MASS.—The J. J. H. Gregory seed store is being remodeled.

BARLOW, FLA.—Dr. E. E. Conant has sold his seed business to R. M. Oglesby.

TULARE, CALIF.—The Alpaugh district seed harvest will be a big one this season.

VISITED CHICAGO: A. Bachelot, representing Davy, the well known seed grower of Arpajon, France.

GIBSON CITY, ILL.—Work has started on a new seed warehouse for Noble Bros. The building will be of brick, 100x100 feet.

CHICAGO.—Prices on the Board of Trade August 21, for grass seed were noted as follows: Timothy, \$4 to \$5.50 per 100 pounds.

PRESIDENT CHAS. N. PAGE of the American Seed Trade Association, and wife report that their vacation in the Black Hills was very enjoyable.

IRON MOUNTAIN, MICH.—A nursery and seed company is being organized in this county. Several Iron Mountain men will subscribe for the stock.

YANKTON, S. D.—The Gurney Seed & Nursery Co. has had a very successful year and has increased the stock to \$100,000. This firm is also building a new tree storage and packing house, 64x100 feet. If completed in time the company will erect two greenhouses, 150 feet long, yet this fall.

CHAS. JOHNSON, Marietta, Pa., attended the first international eugenics congress, held in the great hall of the University of London, South Kensington, July 25-30. He also attended the reception given by special invitation to the members of the congress by the Lady Mayoress of London at the Mansion House, July 26.

SWEET PEAS.—In this department last week, page 278, the types made us say "Sweet pea crop reports in the west continue favorable. It now looks as if there would be peas enough to go around anyway. Just what surpluses there will be is causing some of the large jobbers considerable worry," when seed peas were intended.

AMONG the seedsmen and their representatives at the annual convention of the Society of American Florists in Chicago this week we noted President Chas. N. Page of the American Seed Trade Association, Des Moines, Ia.; J. K. M. L. Farquhar, Boston, Mass.; W. Currie, Milwaukee, Wis.; Harry A. Bunyard, New York; D. Carmichael, Cincinnati, O.; Chas. H. Vick, Rochester, N. Y.; and Wm. Rehm, New York.

The Free Seed Abuse.

Do the people really receive any benefit from the free distribution of seed by the government through their congressmen? That is a question which that fearless congressional fighter of congressional abuses, Robert N. Page, of North Carolina, answers "no." The government this year appropriated \$226,940 for free seeds, and when the bill came up Mr. Page sought in vain to cut out that appropriation, despite the fact that he is from a farming district where more than 200,000 farmers live.

In explanation of his position, Mr. Page, who has fought free seed for ten years, said on the floor of Congress



A. E. Reynolds, Crawfordsville, Ind.
President Wholesale Grass Seed Dealers' Association.

that, in his judgment, the free distribution of seed has "never met with the approval of the farmer," and that practically every agricultural organization has condemned it. The farmers know that free seed distribution is popular in congress "not because it is for the benefit of the farmer, but because it is a congressional gratuity." The farmers, says Mr. Page, are:

"Tired—eternally tired—of being fed upon the husks of legislation. They are not caring about a 5-cent package of garden seeds of doubtful value, particularly when they know that they are paying vastly more than this amount in taxes in order that they may have them. Of all classes in this country the man who digs his living out of the ground is

asking less of special favor from the legislators than any other class in it. His chief complaint is that in the past he has been the victim of legislation conferring special favors upon other people. He is tired of paying the bills to meet the favoritism that has been dealt out here to other classes of people in the country.

"I have gone through my district during a campaign in September and October, have gone into the homes of my farmer constituents, one after the other, and in the old cupboard in the corner of the living-room, where the rubbish is put which they are not quite willing to throw away, but that they consider of little or no value, you will find the garden seeds I have sent them," is the frank statement of Mr. Page. When he asked why the seeds were not planted, his no less frank constituents told him that "they could not depend upon them and that they were afraid to risk them, and that their ground was worth too much to take the risk."—Richmond (Va.) Times-Dispatch.

Longevity of Seeds.

Nobody seems to have definitely answered the question how long seeds can live. We are assured by the scientists that seeds found buried with Egyptian mummies are incapable of germination, and we know as a matter of practical experience that seeds of the common food plants only a few years old can seldom be induced to grow, but the occasional instances of a much longer period of viability in certain seeds makes one hesitate to draw the line anywhere. In a recent Kew bulletin a case is recorded in which the seeds of a leguminous plant, *albizzia lophantha*, from southern Australia, germinated after lying dormant for sixty-eight years. The seeds of different families of plants differ very widely as regards vitality. Those of the umbelliferae or parsley family, for instance, seldom grow after a few years, while species of the pea family (*leguminosae*) have a reputation for being among the most resistant of seeds. The performance of the *albizzia* seeds, here mentioned, quite supports this reputation and extends the range of viability so far that few other seeds seem capable of surpassing it.—The American Botanist.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons
ROCHESTER, N. Y.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

BURPEE'S SWEET PEAS

We are now and have been for many years headquarters for all that is worth while in SWEET PEAS. The best obtainable in all types will be offered the coming season, and may be relied upon to

PRODUCE RESULTS

creditable and satisfactory alike to professional and amateur growers. The best seed and the most desirable varieties the world over, America, Europe and the Antipodes, will be quoted shortly in our

ADVANCE LIST

Send your name and address and secure a copy when issued next month. Our representatives have again covered the growing sections at home and abroad this season, and the valuable information thus obtained is always at the service of our patrons.

This advertisement was prepared in this office and has not been corrected by W. Atlee Burpee & Co., who advise us that they will not be prepared to quote prices on Sweet Peas (of which they have one hundred and fifty acres growing at Lompoc, California, alone, under the management of Mr. Edwin Lonsdale) until the seed is actually harvested and sacked—about the middle of September.

W. ATLEE BURPEE & CO., Philadelphia, Pa.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Kilicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Tacoma.

TRADE STILL DULL.

The usual midsummer dullness is with us—with intent to stay a few weeks longer apparently. Many are out camping and nothing specially noteworthy in the trade has happened recently. The few weddings and the usual number of funerals would not keep one-third of the tradesmen busy filling orders. This year we have had rains every few weeks that have given an unusual number of good outdoor flowers of all sorts and that practically puts the stores out of business for the time being. Field carnation plants are making an unusual growth and require constant attention. Better plants than ever before are in sight. With the exception of one firm (Van Sype & Seamons) the varieties will be the same old five sorts planted in this fall. More call for roses and a greater variety may be expected in future—for signs already show that people are tiring of carnations. Asters are coming in, but up to date they are rather inferior to our usual supply. The dahlias this season are specially good.

NOTES.

Mrs. Watson, wife of Watson, the Florist, is away on a visit to her old home and people in and near Boston, Mass. She is expecting to return by way of the southern route through New Orleans, Texas, New Mexico, Arizona and California.

The F. C. Smith Floral Co. has moved and is now located in new store rooms at 1116 South C street. This firm reports about the same as the others—"plenty of flowers but poor business just at present."

S. L. H.

ROCKFORD, ILL.—C. H. Woolsey has sold his greenhouse and residence property. The land will be platted into lots.

DULUTH, MINN.—The Arcade Flower Shop, operated by Louis Vesiak and George Vesiak, is undergoing extensive improvements.

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage

Order Now

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H.N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed... 25c
1 oz. ... \$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

THE G. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber Tomatoes, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomdale
Farm.

Bristol, Pa.

California CALLA Bulbs

Place your order in time to secure your wants in this stock.

Callas are still scarce and the quantity is limited. Write for prices.

Write for prices on Dutch Bulbs.

M. M. CARROLL, Norwood (Cinti.), O.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.
Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - - Oklahoma

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Cliftondale, Mass., the great sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

ASPARAGUS

PLUMOSUS AND SPRENGERI

Fine 2½-inch. \$2.00 per 100, 300 for \$5.00; out of 4-inch. fine large plants. \$6.00 per 100.

SMILAX

Ready to Bench, cut back several times, 2½-inch. \$1.50 per 100, \$14.00 per 1000.

Primula Obconica

Fine plants for early blooming, 2½ inch. \$2.00 per 100, 300 for \$5.00.

ASTERS

SEMPLER'S BRANCHING

Best Strain, fine plants, from the field, will come into bloom just before your Chrysanthemums. \$2.50 per 100, 500 for \$10.00, in White, Pink and Purple.

J. C. SCHMIDT

Otter and Maple Sts., BRISTOL, PA.

FIELD GROWN

CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

**A FEW GOOD THINGS
YOU WANT.**

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine
Extra Strong 2½-in. pot plants,
\$5.50 per 100, \$50.00 per 1000.
Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

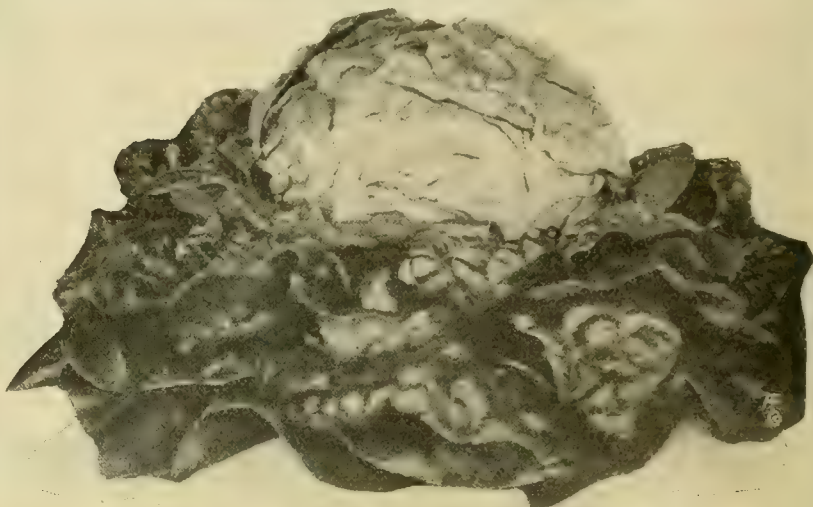
352 N. Michigan Ave., CHICAGO.

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



The Greatest Success of the Year is

DAVY'S IMPROVED BIG BOSTON LETTUCE

White Seed—Does Not Get Red

It has proved to be the best variety on the market. This sort is very slow to run to seed, and that is the reason the seed is so scarce. All Seed Merchants have tried to deliver such a sort, but no one has the same quality.

IF YOU DO NOT KNOW IT YET, TRY IT AT ONCE.

DAVY, Arpaion, (S & O), France

A. BACHELOT, Traveling Representative in America,
Address Care American Express Co., 65 Broadway, New York.

Mention the American Florist when writing

Cyclamen Giganteum

GIANT FLOWERING.

Old Specialty of our Business.

Crop 1912.

		100 seeds	1000
No. 4002	Fiery Red, very fiery...	\$0.32	\$3.00
No. 4003	Dark Red, best market variety...	40	4.75
No. 4004	Rose Brilliant, magnificent rose...	32	3.00
No. 4005	Mont Blanc, improved pure white...	36	3.40
No. 4006	Lilac Color, magnificent, popular colors...	36	3.40
No. 4007	White with Eye, white, mostly red dotted...	32	3.00
No. 4008	Snowflake, pure white...	40	4.75
No. 4009	Magnificent Mixture, all colors...	32	3.00
No. 4014	Fringed German Giant...	50	4.50
No. 4016	Rococo, monstrous new strain, mixed...	36	3.40
No. 6045	Beauty of Dresden, new salmon red...	1 25	9.50

Cash with order. With order for 10,000 seeds, 10 per cent rebate.

WEIGELT & CO., Seed Specialty Growers
ERFURT, GERMANY



Mention the American Florist when writing



Cyclamen Seed Giant-Flowered Types.

Our Seed is Grown by Best Four Specialists

And selected for shape, size of leaves, flowers, stalks, general habit.

Giant English.

Prices—100 Seeds, \$1.00; 1000 Seeds, \$8.00 net.

Rosy Morn. Delicate rose color. Claret base.
Picturatum. Light rose, tinted with claret base.
Grandiflora alba. The largest giant white.
Excelsior. White with red base. Extra large flowers.
Princess May. Pale pink. **Mauve Queen.** Mauve.
Duke of Connaught. Purplish crimson. **Duke of Fife.** Dark rose.
Salmon Queen. A very striking new color.

Giant German.

100 Seeds, 65c; 1000 Seeds, \$5.00.

Pure White (Mont Blanc). **White with Carmine Eye.**
Rosa Von Marienthal. "Daybreak Pink." **Dark Crimson.**
Dark Rose.

Extra Choice Mixed. Per 100 Seeds, 50c; 250 Seeds, \$1.15;
1000 Seeds, \$4.50; 5,000 Seeds, \$20.00.

Glory of Wandsbek. New attractive salmon color. 100
seeds, \$1.35; 250 seeds, \$2.85; 1000 seeds, \$10.50.

Giant Orchid-Flowered.

Very large flowers that are frilled and fringed in
wonderful fashion.

Price—100 Seeds, 85c; 1000 Seeds, \$7.00.

White with Carmine Eye. **Red.** **Lilac.** **Pure White.** **Pink**

Giant Orchid-Flowered Cyclamen in choicest mixture
100 seeds, 80c; 1000 seeds, \$6.50.

Asparagus Plumosus Nanus

We Lead in Supplying Seed of This to All
Florist Growers.

NORTHERN GREENHOUSE GROWN SEED—Per 100 seeds, 50c;
250 seeds, \$1.00; 1000 seeds, \$3.00. Write for prices on larger lots.

Asparagus Hatcheri

The New Rapid Growing Type of Plumosus.

Our trials at Western Springs justify us in endorsing this as a more
rapid and heavier growing variety than Plumosus and with finer foliage

Our prices for the New Crop Seed if unsold are:

100 seeds.....	\$1 50	500 seeds.....	\$ 5 25
250 seeds.....	2 85	1000 seeds.....	10 00

CHICAGO

31-33 W. Randolph St

Sweet Pea Seed

Winter-Flowering

	Oz.	¼ lb.	Lb.
Canary Bird, Early yellow.....	\$0 20	\$0 60	\$2 00
Christmas Countess { Sky blue.....	20	60	2 00
Mrs. C. H. Totty {			
Christmas Meteor, Brilliant red.....	25	70	2 25
Christmas Pink { Pink and white; best for winter	15	50	1 50
Earliest of All { months.....			
Christmas Prima Donna { Daybreak Pink.....	25	70	2 25
Mrs. F. J. Delanskey {			
Christmas White { Pure white.....	15	50	1 50
Mont Blanc {			
Florence Denzer {			
Mrs. Alexander Wallace, Fine lavender.....	20	60	2 00
Mrs. W. W. Smalley { Salmon pink.....	20	60	2 00
Mrs. William Sim {			
Snowbird { Black-Seeded White.....	15	50	1 50
Burpee's Earliest White {			
Wallacea, True Lavender, good commercial	30	90	2 75
variety.....	20	60	2 00
Winter-Flowering Sweet Peas Mixed.....			

Vaughan's Seed Store

NEW YORK
25 Barclay St.

Greenhouses, Nurseries and Trial Grounds, Western Springs, Ill.

Grafted White Killarney

3½ and 4-inch pots, choice young
stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office
131 N. Wabash Av.
Chicago, Ill.

Gr. enhouses
Hinsdale,
Ill.

Field-Grown Carnations

Limestone land. No stem rot.

2,100 R. P. Enchantress,	2,000 Enchantress
800 Dorothy Gordon,	1,000 Victory,
\$6.00 per 100; \$55.00 per 1000.	
1,200 White Wonder,	
\$8.00 per 100; \$75.00 per 1000.	
5,000 White Enchantress,	
\$7.00 per 100; \$65.00 per 1000.	
250 at 1000 rate.	Cash, please.
W. Fargo, U. S. and American Express.	
JNO. F. SABRANSKY,	Kenton, Ohio
Mention the American Florist when writing	

PRIMROSES

	Per 1000	Per 100
Chinensis and Forbesi, 2¼ in. pots.....		\$2 00
Obconica Grandiflora, Alba and		
Rosea.....		2 00
Obconica Gigantea and Kermes-		
ina.....	\$25 00	3 00
Malacoides Giant Baby.....	18 00	2 00
Asparagus, Plumosus and Sprenger, 2¼ in.		
pot.....		2 00
Pansy Seed, Giant Flowering, oz. \$4.00		
Pansy Plants, October 1st.....	\$2.50 per 1000	50

CASH

Jos. H. Cunningham
Delaware, Ohio

Landscape Gardening

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Ferns In Flats

Well Established—Clumps Can Be Divided

The following varieties are offered for early shipment by express:

Petris Wimsetti	Pteris Adiantoides
Petris Wilson	P. eris Wimsetti Multiceps
or Nobilis	Pteris Serrulata Variegata
Pteris Mayii	Cristata
Pteris Hastata	Pteris Cretica Albo Lineata
Pteris Magnifica	Cyrtomium Falcatum
Pteris Serrulata	Aspidium Tsussimense

\$2.00 per flat—20 flats or more \$1.75 per flat. Price F. O. B. New York (no cartage). Terms 30 days net cash, approved credit.

McHUTCHISON & CO.

17 Murray Street, NEW YORK.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Asparagus Plumosus, 2½ inch pots, \$3.00 per 100.

Asparagus Sprengerii, 2½ inch pots, \$2.00 per 100.

Stevias, tall and varieged, 4 inch pots, \$2.00 per 100.

Ferns, Scotii and Whitmani, 4 inch pots, \$2.00 per dozen.

Clematis Paniculata, strong plants, 4½ inch pots, \$10.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

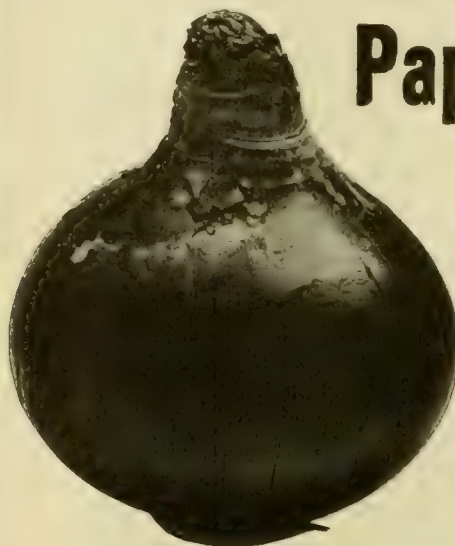
SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low Send for list.

Wood Brothers, FISHKILL, New York



Lilium Harrisii

Per 1000

5-7-in. (400 bulbs to case).....\$35.00

6-7-in. (335 bulbs to case)..... 55.00

Paper Whites**GRANDIFLORA**

Per 1000

Fancy, (1250 bulbs to case)\$ 8.50

Star Brand, (1000 bulbs to case)..... 11.00

Freesias

Per 1000

Purity Mammoth, ¾-in. and up\$25.00

Purity, extra size, ½-in. 20.00

Purity, first size, ¾-in. 17.50

Vaughan's White Seedling 15.00

In Cold Storage

Lilium Giganteum

7-9-in. (300 to case) per 1000...\$65.00

Valley Pips

London Market.....per 1000...\$15.00

Premium Brand.....per 1000... 13.00

VAUGHAN'S SEED STORE

CHICAGO.

NEW YORK.

**"The Kenilworth Strain" of Giant PANSY Seed**

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. Light, Medium or Dark Mixtures.

1912 SEEDS NOW READY

2000 seeds, 5c; 5000 seeds, \$1.00; ¼ ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435

Pansies in Separate Colors.

1000 seeds
Giant Adonis, beautiful light blue.....25c
Giant Emperor William, ultramarine blue.....25c
Giant King of the Blacks coal black.....25c
Giant Lord Beaconsfield, violet shading to white.....25c
Giant Golden Queen, yellow.....25c
Giant Golden Yellow, with dark center.....25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors.....25c
Giant White, very fine.....25c
Giant White, with large violet center.....25c
Giant Red, a fine mixture of red shades.....25c
Giant Royal Purple, fine large flower.....25c
Giant Orchid Flowering, rare shades.....25c
Giant Bronze and Copper Shades.....25c
Giant Light Blue, delicate shades of blue.....25c

Giant Dark Blue, deep blue shades.....25c
Giant Zebra Mixed Shades, striped.....25c

The preceding 16 colors mixed, in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The Rainbow blend is grown from the latest introductions of giant pansies

of the most beautiful, gorgeous

colors; blotched, striped, veined,

marginated, etc. With

every \$1.00 worth of

pansy seed I will

send 1000 of Rain-

bow free, and with

other amounts

in like

proportion.

Chas. Frost
Kenilworth,
N. J.

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000.

Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Primula Malecolides (New Baby) \$3.00 per 100, \$25.00 per 1000.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.

Araucaria Excelsa—Fine Stock.

3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 10 to 12 inches high, 45c.

Selaginella Emilliana, 2½ inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$8.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

Decorative Plants

Bay Trees and Box Trees

Extra Fine Stock, and Big Bargains at the Prices Quoted.

BOXWOODS

Obelisk.		Each
5 ft. high, 18-in. bottom measure.....		\$10.00
Globe Shaped.		
15-18 in. top, 15-18 in. high.....		\$4.00
Standard.		
12 in. crown.....		\$1.50
15-18 " ".....		2.50
18-21 " ".....		3.00
21-24 " ".....		3.00
24-27 " ".....		4.00
32-34 " ".....		6.00
36-38 " ".....		9.00
40-42 " ".....		10.00
3-4 ft. stem.....		9.00
18-24 in. ".....		9.00
18-24 " ".....		10.00

EUONYMUS VARIEGATED.

Silver and Golden, 2½-in. 50c per doz



Boston Ferns

	Each	Doz.
5-in.....	\$3.25	\$3.00
6-in.....	.50	6.00
7-in.....	.75	9.00
8-in.....	1.00	12.00
9-in.....	1.50	18.00
Upwards.....	\$2.00 to \$2.50 each and up	

BOXWOODS, square trim, 20-in. high, 15-in. diam.....\$2.50 each

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 in.	\$1.50	\$12.00
3-in.....4 to 5	8 to 10 in.	2.00	15.00
4-in.....4	12 in.	3.60	30.00
4-in.....4 to 5	12 to 15 in.	4.50	35.00
5-in.....5 to 6	15 to 18 in.	6.00	50.00
		Each	Per doz.
5-in.....5 to 6	18 to 20 in.	\$0.75	\$ 9.00
6-in.....6 to 7	20 to 22 in.	1.00	12.00
6-in.....6 to 7	22 to 24 in.	1.50	18.00
7-in.....6 to 7	24 to 26 in.	1.75	21.00
7-in.....6 to 7	26 to 28 in.	2.00	24.00
7-in.....6 to 7	28 to 30 in.	2.50	30.00
8-in.....7 to 8	40 to 45 in.	5.50	
9-in.....7 to 8	48 to 50 in.	8.00	
9-in.....7 to 8	50 to 54 in.	10.00	

Made-up.

7-in., 3 in a pot, 28 to 30 inches high, each \$2.50

PHOENIX CANARIENSIS.

	Each
7-inch pots, 40 to 44-in. high.....	\$ 2.50
8-inch pots, 46 to 50 in. high.....	4.00
9-inch pots, 50 to 54 in. high.....	8.00
10-inch pots, 60 to 64 in. high.....	10.00

PHOENIX RECLINATA.

	Each	Doz.	Per 100
4-in.....		\$3.00	\$20.00
5-in.....		5.00	40.00
6-in.....		\$0.75	9.00

PHOENIX ROEBELII.

2½-in.....	\$ 2.00	\$15.00
6-in.....		12.00
6-in. strong.....		18.00

SAGO PALMS.

75c, \$1.00, \$1.50, \$2.00.

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 to 10 in.	\$1.50	\$12.00
3-in.....4 to 5	12 to 14 in.	2.00	15.00
4-in.....4 to 5	14 to 16 in.	4.50	35.00
5-in.....5 to 6	16 to 18 in.	6.00	50.00

	Each	Per doz.
5-in.....5 to 6	20 to 24 in.	\$0.75
6-in.....5 to 6	24 to 30 in.	1.00
6-in.....5 to 6	30 to 36 in.	1.50
7-in.....5 to 6	36 to 38 in.	2.50
7-in. strong.....5 to 6	36 to 40 in.	3.00
8-in.....5 to 6	40 to 44 in.	5.00
8-in.....6 to 7	46 to 50 in.	7.00
9-in.....6 to 7	60 in.	8.00

Made-up.

	Each	Per doz.
7-in., 3 to 4 in a pot, 24 to 30 inches high.....	\$ 2.50	
9-in., 3 to 5 " ".....	50 to 54 " "	8.00
10-in., 4 to 5 " ".....	58 to 60 " "	10.00
12-in., 4 " ".....	62 to 70 " "	15.00

BAY TREES

Pyramid.

	Each
9 ft. high.....	\$20.00

Standard.

	4.00
1 2 ft. stem, 18-20 in. crown.....	
3 " " 24 " ".....	6.00
3½ " " 26 " ".....	7.00
4 " " 28 " ".....	7.00
4 " " 30 " ".....	12.00
4 " " 48 " ".....	20.00



Dracaena Indivisa.

The best plant for the center of cemetery vases.
6-in.....\$1.50 per doz.; \$6.00 per doz.
8-in., beautiful specimens, 3ft. high.....\$1.50 each

Cyperus Alternifolius.

4-in.....\$1.50 per doz.; \$10.00 per 100
Cycas Revoluta.....50c and 75c each

Pandanus Veitchii.

	Each	Doz.	Each	Doz.
4-in.....	\$0.50	\$5.50	6-in.....	\$1.00
5-in.....	.75	9.00		\$12.00

Pandanus Utilis.

	Doz.
3-in.....	\$1.50

The Geo. Wittbold Co.

737 Buckingham Place,

CHICAGO

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$8.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olcan, N. Y.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE,

PA.

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000

Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000. 250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Spraying Notes.

August is surely the month of blight, and whatever spraying is needed in the vegetable garden should not be neglected in this month. This applies also to insects, especially those on cabbage. All or most of the earlier work and expenditures can be lost in short order now. This applies to tomatoes, eggplants, cucumbers, melons, celery and cabbage especially. For the vine crops, as cucumbers and cantaloupes, we use the 44-50 Bordeaux, being careful to apply when the foliage is dry and when the air is right for quick drying. We always apply twice, once back and once forward over each row, to be sure of a thorough job. To this end we allow the first coat to dry so we can better see any defective spots. For tomatoes and eggplants we use the same Bordeaux, adding arsenate of lead against potato bugs on eggplants. For celery we use Bordeaux only and as we grow Golden Self-Blanching, mostly it requires constant attention up to cool weather. For cabbage there is nothing better than Paris Green dry mixed with air-slacked lime. We add enough of the "Green" to the lime to faintly color it and apply by using cheesecloth sacks as dusters. Cucumbers and cantaloupes need further attention against the root borers, for which we use tobacco stem decoction or any tobacco extract solution poured around the root crowns. Growers who have never used Bordeaux thoroughly have no idea how much the quality can be improved; in fact, it is the only way one can now produce a good Golden Self-Blanching celery or a solid, fine flavored melon or tomato.

THE MARKETMAN.

ORLEANS, IND.—The Indiana Horticultural Society held its summer meeting here, August 20-21.

DAVENPORT, IA.—The Davis Floral Co. has incorporated with a capital stock of \$25,000. Frank L. Davis is president and J. W. Davis secretary.

LEBANON, PA.—Three greenhouses, two 32x100 feet each and one 25x100 feet, are being built for Kohr & Schmid. They will be known as the Lebanon Nursery and Greenhouses.

Winter Onion Sets



Vaughan's Seed Store
CHICAGO

Readers of the American Florist, Please Take Notice.

Country Fairs Are Next on the Programme.

Are you prepared for them? Hit the bull's-eye. Be successful. Buy your Exhibition Plants from Godfrey Aschmann. You will surely meet with success in carrying off first prizes and certificates of merit. We make a specialty of raising plants for country fairs.

Our specialty, the **Araucarias**, are so well known that an exhibit of them by us is entirely out of date. Instead we cordially invite our customers and others coming from the Convention to stop off in Philadelphia and come direct to the spot, to our great mill of production, which produces plants for the wholesale market that are profitable to every florist who deals with us.

Araucarias Our Specialty.



Araucaria Excelsa, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa, **Glaucia** and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition.

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00. **Cocos Weddelliana Palms**, single, 3-in. pots, 15c, 18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corpha Australis Palms, 5 in. pots, 20 in. high, 35c.

Ficus Elastica, Belgium or American stock, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Asparagus Plumosus and **Sprengeri**, large 4-in. \$10.00 per 100 (or 10c).

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$4.00 per 100. **Primula Chinensis**, John F. Rupp strain, assorted, 4-in., \$10.00 per 100.

Begonias Gloire de Lorraine and **Lonsdale**, pink, large 4-in., 30c to 35c; **Glory of Cincinnati**, 4-in., 40c to 45c.

Azalea Indica for early forcing, *Deutsche Perle*, Simon Mardner, Mme. Petrick, *Vervaeana* and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to 6-in., 40c to 50c; 7-in., 75c.

Boston, 8-in., 75c to \$1.00; 7-in., 75c; 5½ to 6-in., 40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. **Dish Ferns** now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM BEEDS. (Established 1877.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Mention the American Florist when writing

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. **American Spawn Co., St. Paul, Minn.**

Mention the American Florist when writing

Dreer's Convention Month Specials



EXCEPTIONAL VALUES IN ARAUCARIAS in all varieties in the following sizes:

Excelsa.				Each
4-inch pots,	5 to 6 inches high,	2 tiers	.....	\$0 30
5 " "	8 to 10 " "	3 " "	.....	40
5 " "	10 to 12 " "	3 " "	.....	60
6 " "	12 to 15 " "	3 to 4 " "	.....	75
6 " "	14 to 16 " "	4 " "	.....	1 00

Excelsa Glauca.				
5-inch pots,	8 inches high,	2 tiers	.....	75
6 " "	10 to 12 " "	3 " "	.....	1 00
7 " "	13 to 15 " "	4 " "	.....	1 50

Excelsa Robusta Compacta.				
5-inch pots,	8 to 10 inches high,	2 tiers	.....	75
6 " "	10 to 12 " "	2 " "	.....	1 00
6 " "	12 to 14 " "	3 " "	.....	1 25
7 " "	14 to 16 " "	3 " "	.....	1 50

Excelsa Plumosa.

A comparatively scarce form, almost as compact in habit as Robusta Compacta and of a richer, deeper green color; very desirable.

5-inch pots,	8 inches high,	2 to 3 tiers	.....	65
6 " "	10 to 12 " "	3 " "	.....	75
6 " "	13 to 15 " "	3 to 4 " "	.....	1 00

Fern Flats These flats contain about two hundred plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price: \$2 00 per flat in any one of the following varieties: *Aspidium Tsussimedse*, *Cyrtomium Falcatum*, *Cyrtomium Fortunei*, *Polystichum Setosum*, *Pteris Adiantoides*, *Pteris Alba Lineata*, *Pteris Magnifica*, *Pteris Majus* or *Ouvardi*, *Pteris Wimsetti Multiceps*, *Pteris Wilsoni*.

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

THE ABOVE PRICES INTENDED FOR THE TRADE ONLY.

PANDANUS UTILIS

3½ in. pots.	Per 100
.....	At \$12.00
<i>Dracaena Indivisa</i> —5 in. pot grown ready for repotting. Excellent value.	At \$25.00
<i>Cyperus Alternifolius</i> —3½ in. pots. Very bushy and compact.	At 8.00
<i>Deutzia Gracilis</i> —Specially grown for Easter forcing. Very bushy.	At 15.00
<i>Camoanula Medium</i> —2½ in. pots. Fine for growing on for Easter.	At 3.00

Cash with Order

A. L. MILLER, Jamaica Ave., Opp. Schenck Ave. BROOKLYN, N. Y.

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD-OHIO.

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

SPRINGFIELD, MASS.—A. L. Gilbert has been granted a permit to build a greenhouse at a cost of \$600.

BATAVIA, ILL.—Andrew Anderson is tearing down his old greenhouse at Batavia avenue and Morton street, to make way for two large new greenhouses.

ORCHIDS

H. STANLEY, Sandcross Lane, Reigate, Eng.

is now booking orders for

Oncidium Forbesii and *O. Marshallianum*.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Mention the American Florist when writing

Hybrid Perpetual and Rambler Roses

Strong Forcing Stock for Florists.

Orders for fall delivery booking now.

Jackson & Perkins Company, Newark, N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.



Budding Knife Free.
See Page 316.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

KEYSER, W. VA.—The fruit growers' picnic, held at the Knobley orchards August 3, was well attended by orchardists and nurserymen.

URBANA, ILL.—Copies of "Lessons in Forest and Orchard," published by the extension department of the College of Agriculture of the University of Illinois, may be had of the university free on request.

LOUISVILLE, KY.—Every section of Kentucky is affected by the San Jose scale, according to a report that has just been made to Secretary of Agriculture Newman by H. Gorman, state entomologist, who recently completed an inspection of nurseries.

Uruguay Planting Trees.

Although millions of trees have been planted in Uruguay, the general aspect of the country is that of a great almost treeless prairie. The government, in 1911, offered prizes to stimulate the planting of trees, two landowners receiving \$10,000 each and others smaller sums. The arbor-day commission did excellent work, planting some 50,000 trees during the year and conducting the holiday along lines similar to those followed in the United States. In 13 of the 19 departments the forestry census recorded 17,402,209 planted trees, principally eucalyptus, pines, poplars, paradise trees and acacias.

An agricultural defense bureau was organized during 1911, with duties similar to those of the Bureau of Entomology and the Division of Plant Pathology in the Department of Agriculture of the United States. The law creating it provides for a central committee in Montevideo, with a sub-committee under a director in each of the other civil divisions, and a director at Montevideo in general charge. To provide funds a small tax is imposed on rural and suburban real estate. The director was sent to the United States to study the organization of the Agricultural Department and will plan his work along similar lines.—Daily Consular and Trade Reports.

Lilacs

Chas. N. Marie Legraye.
Mme. Casimer Perier, Etc.
Etc. Pot Culture.

CH. SCHUCK,

Worms, Germany.

FOR SALE.

Peach Seed, Galax Leaves, White Pines and Forest Trees of every description.

Write us for prices.

E. W. Jones Nursery Co., Woodlawn, Va.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories
Sidney, Ohio

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

To Exchange

Choice Coniferous Evergreens for Palms, Ferns, Clematis Paniculata seedlings, Hybrid Tea Roses, Chrysanthemums. What have you?

The Greening Nursery Co., Monroe, Mich.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Royal Rose Nurseries

Gratama Brothers & Co.

HOOGEVEEN,
HOLLAND.

Roses for Export

Catalogue and Wholesale List Free.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Am. Beauties

Choice 2½ Inch, \$5 per 100; \$45 per 1000

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD-OHIO.

The E. G. Hill Company

...RICHMOND, INDIANA...

FALL OF 1912

PEONIES

Ready in September: Let us book your order now.

Strong divisions of every variety, running from two to five eyes each. Some varieties have heavy roots and few eyes; others have large roots, but few eyes.

The Peony has become an absolute necessity for every florist. The following are all valuable commercial sorts:

	Per 100.		Per 100
Cythere —Lemon white, with satin gloss.....	\$15.00	Model of Perfection —An exquisite pink, one of the very best.....	30.00
De Candolle —Wine red.....	6.00	Mme. Bollet —Lovely pink; fine form.....	15.00
Eduis Superba —Shell pink, large and good.....	6.00	M. Boucharlat Aine —Enchantress pink.....	20.00
Felix Crousse —The king of red varieties.....	30.00	Rosea Grandiflora	8.00
Linne —Bright cerise.....	6.00	Mixed Varieties —The above sorts that have got out from under label.....	4.00
Meissonnier —Synonyms M. Crousse and American Beauty —A grand, every day red; fine grower and bloomer.....	10.00		
Mme. Boulanger —Soft, brilliant pink, of exquisite form.....	25.00		
M. Krelage —Rosy amarath.....	10.00		

Besides the above we have 25 other fine sorts for any one wishing a larger assortment. Prices on application.

Field-grown Carnation Plants.

3200 Winsor, 3000 White Enchantress, 500 Rose-pink, 400 Pink, 325 White Perfection, 500 White Lawson; any of the above \$6.00 per 100; \$50.00 per 1000.

3-in. Roses.

50 White Killarney, 100 Pink Killarney, own root, \$6.00 per 100.
90 Mrs. Aaron Ward, \$8.00 per 100, to close out.
3-in. Asparagus Plumosus and Sprenger, \$5.00 per 100.
2-in. Smilax, \$2.00 per 100.
All of the above stock is clean and healthy and we make the above prices in order to move it quickly. Address

ADDEMS, MORGAN & CO.
PAXTON, ILL.

POINSETTIAS

Extra strong 2½-in. pot plants.

Shipped in paper pots, \$6.00 per 100, \$50.00 per 1000.

CHINESE PRIMROSES

Very best strain, 2½-in. pots, \$3 per 100, \$25 per 1000.

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100 \$30.00 per 1000.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs, \$50 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 ea.
Giatrixi, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.
Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each.
Magnifica, **Muscosa**, **Elegantissima Compacta**, 3½-in. pots, 25c each.
Giatrixi, **Viridissima**, **Bostoniensis**, 3½-in. pots, 15c each.
Small Ferns for Fern Pans, assorted varieties, 2¼-in., \$3.50 per hundred.
Asparagus Plumosus Nanus, 2¼-in. pots, \$4.00 per 100.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Lilium Candidum.

Extra sized bulbs, \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs, 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾-in. and up, \$12.00 per 1000
Extra sized bulbs, ½ to ¾-in. 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs: case lots of 300.

VAUGHAN'S PEONIES

It will soon be planting time so order some of our high grade roots at once.

A few of the leading varieties are:

	Each.	Doz.	100.
Couronne D'Or , Snow white.....	\$0 35	\$3 60	\$25 00
Festiva Maxima , White, spotted red.....	20	2 00	15 00
Mme. de Verneville , Sulphur White.....	20	2 00	15 00
Duchess de Nemours , (Guerin), pink.....	20	2 00	15 00
Mathilde Mechin , French pink.....	30	3 00	20 00
Perfection , Soft Pink.....	25	2 40	18 00
Felix Crousse , Double Red.....	35	3 60	28 00
Officinalis Rubra Plena , Red.....	15	1 50	10 00
Richardson's Rubra Superba , Crimson.....	20	2 00	15 00

ASK FOR OUR COMPLETE LIST.

CHICAGO **Vaughan's Seed Store,** NEW YORK
Greenhouses, Trial Grounds and Nursery at Western Springs, Ill.

FLORISTS' HAIL ASSOCIATION OF AMERICA.

SECRETARY'S REPORT FOR YEAR ENDING AUGUST 1st, 1912

The insurance on glass effective at present date, in The Florists' Hail Association, subdivided by States, is as stated below.

The following table shows losses reported to the Secretary for the past twenty-five years, and number of claims paid.

	Single thick glass.	Double thick glass.	Single thick glass Extra one-half.	Double thick glass Extra one-half.	Single thick glass Extra whole.	Double thick glass Extra whole.	Losses paid Aug. 1, 1911, to Aug. 1, 1912.
Alabama.....		15,900					
Arkansas.....	1,650	24,500					251.09
Colorado.....	518,972	826,418	146,091	88,860	254,314	573,698	1,750.39
Connecticut.....		124,621		43,986		2,100	12.39
Delaware.....	60,320	11,157				4,200	
Florida.....	24,150	52,050					
Georgia.....	28,638	44,362					
Illinois.....	264,721	3,380,715	66,339	476,687	70,222	643,370	2,875.94
Indiana.....	301,754	1,693,798	29,267	425,095	94,887	123,690	1,448.12
Iowa.....	318,879	1,611,984	28,740	577,913	74,323	319,263	3,549.00
Kansas.....	474,636	779,411	56,742	70,690	261,889	450,434	22,746.49
Kentucky.....	66,125	179,141	1,500	4,600	26,396	33,980	
Louisiana.....		3,320					
Maine.....	2,724	43,229	1,000	3,000	1,100		
Maryland.....	110,865	126,751	7,665	7,228	8,900	21,758	
Massachusetts.....	6,350	164,611	1,100	20,000			
Michigan.....	167,025	939,283		157,744	7,644	135,210	26.25
Minnesota.....	77,118	1,363,362	6,290	50,941	24,351	692,200	131.67
Mississippi.....	2,000						
Missouri.....	1,011,362	1,552,132	129,503	250,605	405,730	1,054,864	8,814.38
Montana.....	128,800	21,956			2,800	2,556	
Nebraska.....	332,784	312,111	103,944	105,413	99,012	118,615	286.99
New Hampshire.....	900	37,798					
North Carolina.....	11,715	46,719	3,750				
North Dakota.....		51,710		12,200		26,050	211.40
New Jersey.....	36,746	1,398,461		201,958		25,006	
New Mexico.....	4,768	18,430			4,768	18,430	
New York.....	110,241	736,222	750	33,730	1,800	45,580	27.29
Ohio.....	669,682	2,605,126	86,202	421,729	58,150	385,501	203.56
Oklahoma.....	113,973	103,758		6,000	85,764	97,063	213.14
Pennsylvania.....	415,967	3,502,909	43,460	201,242	84,291	667,777	40.18
Rhode Island.....	400	10,935			400	10,935	
South Dakota.....	47,010	56,872			37,900	20,097	366.20
Tennessee.....	11,300						
Texas.....	141,116	346,903		17,658	41,231	98,895	197.40
Virginia.....	45,677	132,433			1,982	28,513	
Washington.....	12,910						
West Virginia.....	5,440	27,787					
Wisconsin.....	87,334	485,461	6,839	4,450	9,250	28,329	1,003.42
Wyoming.....	11,940	20,361	4,940	131	7,000		
Dist. Columbia.....	7,744	71,576			4,220	71,576	
Canada.....	6,268	174,442	2,762		2,506	78,042	
	5,640,004	23,098,718	726,884	3,181,860	1,670,830	5,777,732	\$44,155.30

The above is equivalent to an insurance upon 38,141,656 square feet of glass.

The total receipts for the year ending Aug. 1, 1912, and including last year's balance, as per Treasurer's report, have been \$61,834.37.

The total expenditures, as per Treasurer's report have been \$57,458.56.

The cash balance on hand is \$4,375.81, of which \$1,077.90 belongs to the Reserve Fund.

The Reserve Fund now amounts to \$28,107.90 of which \$27,000 is invested in excellent securities and \$1,077.90 cash in hands of the Treasurer.

The amount of interest collected on Reserve Fund investments for the year is \$987.50.

The amount of interest collected on bank deposits for the year is \$123.49.

Interest refunded on bond purchase \$5.84.

Losses representing a breakage of 196,715 square feet of single thick glass and 244,897 square feet of double thick glass, have been paid during the year.

1,832 losses have been adjusted since the organization of the F. H. A., involving a total expenditure of more than \$262,000.

The number of members is 1,682.

The liability of the Association is \$15,000, borrowed from Jenkintown National Bank, and secured by Reserve Fund Collateral.

TREASURER'S REPORT FROM AUGUST 1st, 1911 TO AUGUST 1st, 1912

Received from 23d Assessment.....	\$24,244.06
Received from Membership Fees.....	1,558.79
Received from New Membership.....	928.42
Received from Additional Membership.....	935.76
Received from Extra One-half Assessment.....	96.37
Received from Extra Whole Assessment.....	553.22
Received from Re-Insurance.....	588.28
Received from Interest on Reserve Fund.....	987.50
Received from Interest on Bank Deposit.....	123.49
Received by Proceeds of Notes to Jenkintown National Bank.....	17,997.10
Received from Harris Forbes & Co., 7 Days' Interest Returned.....	5.84
Received for Orvil Building & Loan Ass'n Certificates.....	3,068.75
Received for Orvil Township Bond.....	500.00
	\$51,587.58

Expenses from Aug. 1, 1911 to Aug. 1, 1912

Aug. 10, 1911 J. G. Esler, Saddle River to Jenkintown, to audit Treasurer's books.....	\$5.00
Aug. 15, Albert M. Herr, car fare to audit Treasurer's books.....	6.26
Aug. 31, Florists' Pub. Co., advertising annual meeting.....	1.30
Aug. 31, Horticulture Pub. Co., advertising annual meeting.....	1.00
Sept. 12, Market Growers' Journal, advertising annual meeting.....	1.00
Sept. 15, A. T. De La Mare Co., advertising annual meeting.....	1.00
Sept. 18, Fidelity and Casualty Co., Secretary's bond.....	5.00
Sept. 18, Certh and Sullivan, Treasurer's bond.....	70.00
Sept. 23, American Florist, printing annual report.....	15.00
Sept. 29, A. T. De La Mare Co., 800 letterheads.....	11.50
Sept. 29, A. T. De La Mare Co., 300 affidavits.....	14.50
Nov. 4, A. T. De La Mare Co., 1800 23d assessment notices.....	22.00
Nov. 10, A. T. De La Mare Co., 4000 envelopes, 300 circular letters.....	18.00
Nov. 27, A. T. De La Mare Co., 300 letter circulars.....	4.25
Nov. 27, A. T. De La Mare Co., 1800 annual reports.....	29.75
Dec. 4, E. G. Hill, account salary as President.....	50.00

Expenses from Aug. 1, 1911 to Aug. 1, 1912—Continued

Dec. 4, 1911 Joseph Heacock, account salary as Treasurer.....	\$100.00
Dec. 4, J. G. Esler, account salary as Secretary.....	300.00
Dec. 21, J. G. Esler, postage and expressage.....	16.15
Feb. 14, 1912 A. T. De La Mare Co., 1700 additional coupons.....	4.00
Mar. 1, Interest paid on over-draft.....	1.47
Mar. 8, A. T. De La Mare Co., 1800 receipts.....	5.25
Mar. 9, E. G. Hill, account salary as President.....	50.00
Mar. 9, Joseph Heacock, account salary as Treasurer.....	100.00
Mar. 9, J. G. Esler, account salary as Secretary.....	300.00
Mar. 18, J. G. Esler, postage including 23d assessment.....	40.00
Mar. 27, A. T. De La Mare Co., 300 circular letters, 300 letter heads.....	7.25
Apr. 26, A. T. De La Mare Co., 500 copies Constitution and By-Laws.....	17.50
May 4, A. T. De La Mare Co., 500 delinquent notices.....	2.25
May 5, E. G. Hill, account salary as President.....	50.00
Apr. 5, Jos. Heacock, account salary as Treasurer.....	100.00
Apr. 5, J. G. Esler, account salary as Secretary.....	300.00
Apr. 13, Joseph Heacock, postage and envelopes.....	44.36
May 15, A. T. De La Mare Co., 500 warrants on Treasurer.....	4.25
June 28, Florists' Pub. Co., advertising for year.....	15.00
July 3, J. F. Amman, expenses adjusting loss at Farmington, Mo.....	8.20
July 15, American Florist, advertising for year.....	15.00
July 20, Florists' Exchange, advertising for year.....	15.00
July 20, A. T. De La Mare Co., 500 affidavits of loss.....	21.05
July 22, J. G. Esler, postage to Aug. 1, 1912.....	27.80
July 24, A. T. De La Mare Co., 200 letter heads.....	4.00
July 26, E. G. Hill, balance salary as President.....	135.00
July 26, Jos. Heacock, salary balance as Treasurer.....	400.00
July 26, J. G. Esler, balance salary as Secretary.....	1,000.00
July 30, Horticulture Pub. Co., advertising 1 year.....	15.00
	3,414.09

Losses from Aug. 1, 1911 to Aug. 1, 1912

Aug. 10, 1911	Jacob H. Linkey, Mountville, Pa.	\$17.78
Aug. 10,	Schmidt's Greenhouses, Winfield, Kas.	17.35
Aug. 10,	E. H. Gilbert, Winfield, Kas.	93.60
Aug. 13,	Ira Clark & Co., Greensburg, Ind.	14.02
Aug. 13,	Karl Boll, Ft. Madison, Iowa.	33.46
Aug. 29,	C. H. Holliced, Sheldon, Iowa.	47.81
Aug. 29,	W. D. Bassett, Loveland, Colo.	10.80
Aug. 29,	W. E. De Goller, Loveland, Colo.	55.30
Aug. 31,	F. P. Worden & Son, Ypsilanti, Mich.	26.25
Sept. 5,	Woerz Bros., Enid, Okla.	7.80
Sept. 12,	F. J. Olsen, Ames, Iowa.	185.85
Sept. 12,	Ernest Harris, Delanson, N. Y.	27.29
Sept. 12,	Rugby Greenhouses, Rugby, N. D.	89.88
Sept. 12,	P. J. Manchester, Arvada, Colo.	40.28
Sept. 14,	J. C. Robinson Seed Co., Waterloo, Neb.	103.53
Sept. 14,	Thos. M. Howard, Scottsbluff, Neb.	94.14
Sept. 15,	Mrs. Margaret Ballard, Perry, Iowa.	5.85
Sept. 18,	Theo. Kienalis, La Crosse, Wis.	234.21
Sept. 18,	A. L. Bebinger, Des Moines, Iowa.	161.03
Sept. 18,	Frank Sachs & Sons, Topeka, Kas.	42.50
Sept. 18,	T. C. Hemphill, Wichita, Kas.	929.03
Sept. 23,	Ira Blake, Wichita, Kas.	1,396.90
Sept. 23,	Lorraine Avery, Wichita, Kas.	66.08
Sept. 23,	John A. Salzer Seed Co., La Crosse, Wis.	12.05
Sept. 23,	C. A. Rose, Wichita, Kas.	24.90
Sept. 23,	W. E. Bidleman, Wichita, Kas.	1,556.38
Sept. 23,	William G. Haeblich, La Crosse, Wis.	111.72
Sept. 29,	W. H. Culp & Co., Wichita, Kas.	416.50
Sept. 29,	Oak Grove Cemetery Association, La Crosse, Wis.	169.40
Sept. 29,	Edwin C. Mitchell, Wichita, Kas.	26.88
Sept. 29,	B. D. Cook, Wichita, Kas.	143.00
Sept. 29,	La Crosse Floral Co., La Crosse, Wis.	418.04
Sept. 29,	Wilson Johnson, Des Moines, Iowa.	405.89
Sept. 29,	Addems, Morgan & Co., Paxton, Ill.	992.34
Sept. 29,	Henry Rollinson, Des Moines, Iowa.	100.70
Sept. 29,	Wm. Swinbank, Sycamore, Ill.	9.85
Sept. 29,	Chas. P. Mueller, Wichita, Kas.	2,975.62
Oct. 7,	Louis Brier, Des Moines, Iowa.	30.00
Oct. 7,	E. M. Holt and Co., Butler, Pa.	22.40
Oct. 7,	Wm. Shick, Wichita, Kas.	1,725.20
Oct. 7,	N. P. Lindberg, Rugby, N. D.	121.52
Oct. 7,	Geo. A. Bixby, Wichita, Kas.	457.80
Oct. 7,	Andrew Olsen, Des Moines, Iowa.	61.30
Oct. 7,	E. C. Newbury, Mitchell, S. D.	366.20
Oct. 7,	Woerz Bros., Enid, Okla.	9.10
Oct. 11,	F. Keuchenmeister, Wichita, Kas.	929.18
Oct. 11,	Wm. Swinbank, Sycamore, Ill.	4.02
Oct. 18,	Frank Cuff, Wichita, Kas.	86.77
Oct. 18,	J. F. Marshall, Des Moines, Iowa.	149.22
Oct. 18,	Addems, Morgan & Co., Paxton, Ill.	334.35
Oct. 27,	R. W. Ford, Bristol, Conn.	12.39
Oct. 27,	Lester Bros., East Des Moines, Iowa.	67.20
Nov. 27,	Hill Floral Co., Geneseo, Ill.	139.86
Nov. 27,	S. V. Williams, Bedford, Ind.	63.18
Nov. 27,	Herman Sickert, Wichita, Kas.	16.70
Nov. 27,	Sestier Bros., Inc., Des Moines, Iowa.	1,589.40
Nov. 27,	Mrs. E. Bunyar, Rosedale, Kas.	27.50
Dec. 4,	Ernest Beck, Lebanon, Mo.	22.58
Dec. 11,	Andrew Bather, Clinton, Iowa.	59.74
Dec. 11,	A. Mirring, E. St. Louis, Ill.	166.38
Dec. 11,	Pietzsch Bros., W. Burlington, Iowa.	30.05
Dec. 16,	Sterling Floral Co., Sterling, Ill.	278.82
Mar. 2, 1912	Nussbaumer Floral Co., San Angelo, Tex.	197.40
Apr. 23,	W. H. Noble, El Dorado, Kas.	17.80
Apr. 23,	Frank Johnson, Fremont, Ohio.	203.56
Apr. 23,	John R. Steinicke, Webster Grove, Mo.	109.80
May 4,	A. Milne, Fairbury, Ill.	34.09
May 6,	A. C. Sperry, Neodesha, Kas.	6.16
May 6,	W. W. Stertzing, St. Louis, Mo.	10.35
May 9,	Connor Ulsh Floral Co., Wabash, Ind.	33.48
May 9,	Kring Bros., Fairbury, Ill.	41.65
May 18,	J. E. Meinhart, Webb City, Mo.	148.67
May 18,	Anadarko Townsite Co., Anadarko, Okla.	9.40
May 18,	J. R. Detwiler, Enid, Okla.	27.58
May 21,	Park Dist. Section 1, Pueblo, Colo.	18.76
May 21,	J. A. Sheaf, Fairbury, Ill.	8.82
May 21,	F. E. Blake, Columbus, Kas.	183.60
May 21,	A. Gardiner, Mangum, Okla.	62.25
May 21,	Pliny Hyde, Parsons, Kas.	45.78
May 25,	C. C. Dilworth, Joplin, Mo.	98.57
May 25,	Davidson Floral Co., Holdrege, Neb.	89.32
May 25,	Schmidt's Greenhouses, Winfield, Kas.	27.40
May 31,	S. H. Winter, Columbus, Kas.	65.40
May 31,	Wabash Floral Co., Wabash, Ind.	40.90
May 31,	A. T. Vaughan, Winfield, Kas.	31.13
May 31,	F. L. Parker, Hutchinson, Kas.	74.55
June 4,	J. A. Carter & Son, Galena, Kas.	25.20
June 7,	Perry Greenhouses, El Reno, Okla.	97.01
June 11,	Grant Newport, Cedar Rapids, Iowa.	76.44
June 11,	Martin Frick, Leeds, Mo.	58.60
June 11,	Oscar C. May, Webster Groves, Mo.	45.95
June 11,	Lorraine Avery, Wichita, Kas.	113.40
June 11,	Waclav Bezdec, Cedar Rapids, Iowa.	212.00
June 11,	Peterson Floral Co., Gibson City, Ill.	822.85
June 14,	Edwin C. Mitchell, Wichita, Kas.	84.00
June 14,	B. Ramstedt, Ottawa, Kas.	335.24
June 14,	M. C. Burton & R. F. Hemphill, Wichita, Kas.	711.83
June 18,	Ira Blake, Wichita, Kas.	1,115.60
June 18,	John Lyscio, Galena, Kas.	92.34
June 18,	Fred Leucht, St. Joseph, Mo.	198.25
June 19,	W. P. Ranson, Junction City, Kas.	147.00
June 27,	Samuel Murray, Kansas City, Mo.	36.40
June 27,	Brauninger Bros., Kansas City, Mo.	449.30
June 27,	Leopold Van Haverbeke, Ureka, Kas.	44.16
June 27,	Z. K. Jewett, Sparta, Wis.	58.00
June 27,	W. N. Shanks, Wellington, Kas.	7.20
June 27,	Frank Cluff, Wichita, Kas.	96.60
June 27,	Stuppy Floral Co., St. Joseph, Mo.	146.72
June 27,	John T. Hendra, St. Joseph, Mo.	42.98
June 27,	Geo. J. Ackerman, Kansas City, Mo.	82.32
June 28,	Philip Benz, Independence, Mo.	80.22
June 28,	E. F. Walter, Junction City, Kas.	1,219.50
June 28,	Junction City Floral Co., Junction City, Kas.	1,800.40
June 28,	W. J. Barnes, Kansas City, Mo.	221.50
June 28,	Henry F. Ackerman, Kansas City, Mo.	87.84
June 28,	Martin Frick, Leeds, Mo.	20.85
July 3,	Albert Barbe, Kansas City, Mo.	133.50
July 3,	Clayton I. Poor, Eureka Springs, Ark.	251.09
July 3,	John Lenz, St. Louis, Mo.	19.13

Losses from Aug. 1, 1911 to Aug. 1, 1912—Continued

July 3, 1912	C. D. Martindale, Caney, Kas.	\$9.10
July 3,	Chas. P. Miller, Wichita, Kas.	1,411.34
July 3,	Fred and Ann Butterfield, Farmington, Mo.	447.19
July 3,	W. L. Rock Flower Co., Kansas City, Mo.	938.84
July 3,	Aug. Luther, Kansas City, Mo.	46.90
July 4,	Felix Goddard, Merriam, Kas.	68.55
July 4,	Chas. Beiderman, Kansas City, Mo.	54.60
July 4,	John A. Wonderly, Caney, Kas.	7.52
July 4,	Geo. M. Kellogg Co., Pleasant Hill, Mo.	1,106.00
July 4,	Wm. Stolba Floral Co., Cedar Rapids, Iowa.	29.26
July 5,	Chas. Beiderman, Kansas City, Mo.	184.30
July 5,	Williams & Clark Flo. Co., Muncie, Ind.	1,296.54
July 8,	Jos. Austin, Kansas City, Mo.	171.57
July 8,	Wilson Jarret, Kansas City, Mo.	65.30
July 8,	Walter R. Heite, Merriam, Kas.	1,455.76
July 8,	Reid's Greenhouses, Ft. Morgan, Colo.	153.33
July 8,	John S. Morris, Merriam, Kas.	525.00
July 8,	Gottfried Gross, Quincy, Ill.	42.91
July 8,	Peachey Bros., Merriam, Kas.	250.45
July 8,	H. E. Peachey, Merriam, Kas.	24.95
July 8,	W. J. Barnes, Kansas City, Mo.	299.90
July 8,	J. T. Hendra, St. Joseph, Mo.	11.90
July 8,	R. L. Isherwood, Chillicothe, Mo.	93.93
July 10,	Humfeld, Orca Floral Co., Kansas City, Mo.	59.40
July 10,	Brauninger Bros., Kansas City, Mo.	106.00
July 10,	E. J. Manchester, Arvada, Colo.	30.00
July 11,	Wm. Schick, Wichita, Kas.	238.50
July 11,	Nelson Jarrett, Kansas City, Mo.	131.10
July 11,	Miller Bros., Abilene, Kas.	25.90
July 15,	Chas. Laundry, Kansas City, Mo.	71.18
July 15,	Mrs. E. Bunyar, Rosedale, Kas.	55.36
July 15,	J. H. Shaw, Florence, Kas.	19.88
July 15,	Jos. Austin, Kansas City, Mo.	41.44
July 15,	W. H. Culp and Co., Wichita, Kas.	151.48
July 15,	Hickman and Son, Coffeerville, Kas.	44.50
July 20,	Herman Sickert, Wichita, Kas.	52.40
July 20,	J. G. Ackerman, Kansas City, Mo.	123.59
July 20,	Japan Farm, Pueblo, Colo.	253.40
July 20,	Samuel Murray, Kansas City, Mo.	96.32
July 20,	J. H. Meyers, Moberly, Mo.	13.00
July 20,	Jacob Tobler, Kansas City, Mo.	74.80
July 20,	Jacob Tobler, Kansas City, Mo.	7.90
July 20,	Herman Bros. Co., Council Bluffs, Iowa.	284.69
July 20,	Geo. Bolt, Pueblo, Colo.	111.30
July 22,	F. Keuchenmeister, Wichita, Kas.	458.22
July 22,	John H. Cordes, Merriam, Kas.	26.75
July 22,	John H. Cordes, Merriam, Kas.	143.25
July 24,	Park Dist. Section 1, Pueblo, Colo.	269.22
July 24,	W. E. Bidleman, Wichita, Kas.	220.50
July 24,	Wm. Baum, Kansas City, Mo.	22.48
July 24,	H. H. Henson, Kansas City, Mo.	92.61
July 24,	Henry F. Ackerman, Kansas City, Mo.	54.88
July 24,	C. A. Rose, Wichita, Kas.	11.00
July 24,	W. L. Rock Flower Co., Kansas City, Mo.	1,910.30
July 26,	E. D. Ellsworth, Kansas City, Mo.	46.06
July 26,	Peter Hermes, Merriam Park, Minn.	42.49
July 26,	Everett Wilson, Kansas City, Kan.	32.41
July 27,	C. H. Wallace, Pueblo, Colo.	673.30
July 27,	Sawvel & Jones, Kansas City, Mo.	496.90
July 27,	Alfred Loeffel, Merriam Park, Minn.	74.06
July 29,	A. G. Belinder, Rosedale, Kas.	37.59
July 29,	N. E. De Goller, Loveland, Colo.	29.80
July 29,	E. G. Donley, Pueblo, Colo.	20.50
July 29,	W. L. Rock Flower Co., Kansas City, Mo.	332.26
July 29,	R. Rathbun and Co., Sioux City, Iowa.	19.11
July 29,	Mrs. L. E. Dalton, Pueblo, Colo.	84.40
July 29,	Central Floral Co., Minneapolis, Minn.	15.12
		\$44,155.30

Investments for 1911 and 1912

May, 4, 1912,	Six South River, N. J., bonds	\$6,589.17
Feb. 18, 1912,	Jenkintown National Bank, Note due Feb. 18, 1912..	800.00
Mar. 25, 1912,	Jenkintown National Bank, Note due Apr. 1, 1912....	2,500.00
		\$3,300.00

Reserve Fund Investments

Scranton, Pa., bonds, 4 per cent.	\$2,000.00
So. Bend, Ind., bonds, 4.5 per cent.	1,000.00
Atlantic City, N. J., bonds, 4.5 per cent.	2,000.00
Waco, Tex., bonds, 5 per cent.	1,000.00
Kalamazoo, Mich., bonds, 4 per cent.	2,000.00
Homestead, Pa., bond, 4 per cent.	1,000.00
Alleghany, Pa., bond, 4 per cent.	1,000.00
Bergen, N. J., bonds, 5 per cent.	4,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
Fairview, N. J., bond, 5 per cent.	1,000.00
South River, N. J., bonds, 5 per cent.	6,000.00
	\$27,000.00

Dr. Recapitulation

To balance on hand Aug. 1, 1911.	\$10,246.79
To total receipts for year ending Aug. 1, 1912.	51,587.58
	\$61,834.37
Cr.	
By losses paid Aug. 1, 1911-Aug. 1, 1912.	\$44,155.30
By expenses.	3,414.09
By investments.	6,589.17
Miscellaneous.	3,300.00
By balance on hand.	4,375.81
	\$61,834.81

Signed, JOSEPH HEACOCK, Treasurer

Philadelphia, August 1, 1912.

We have audited the accounts of the Treasurer and the Secretary of the FLORISTS' HAIL ASSOCIATION OF AMERICA for the period from August 1, 1911, to July 31, 1912. We have verified the balance on deposit with the Jenkintown National Bank, amounting to \$1,375.81, and examined securities held as investments and pledged to secure loans, and we certify that the foregoing is a correct statement of the receipts and disbursements during the period.

PRICE, WATERHOUSE & COMPANY,
Chartered Accountants.

Index to Advertisers.

Advance Co The. 347	344	Elliott W H.....	312
Addens Morgan & Co.....	333	Emmans Geo M.....	326
Alpha Floral Co.....	317	Erle Floral Co.....	I
American Importing Co.....	340	Erne & Klingel.....	308
American Spaw Co.....	330	Esperance L Nrs.....	332
Amling E C Co.....	311	Eyres H G.....	319
Anderson S A.....	317	Fish Henry Seed Co.....	324
Andorra Nurseries.....	332	Florists' Hall Assn.....	340
Angermueller G H.....	313	Florists Tel. Delv.....	318
Aphine Mfg Co.....	348	Foley Mfg Co.....	Iv
Aschmann Godfrey.....	330	Ford M C.....	315
Atlanta Floral Co.....	320	Fottler Fiske.....	I
Bader Jno & Co.....	331	Rawson Co.....	II
Badgley Reidel & Meyer, Inc.....	315	Freeman Mrs J B.....	320
Barrows HH & Son.....	329	Freeman & Sons.....	350
Bassett & Washburn.....	327	Friedel E.....	316
Bayersdorfer H.....	343	Froment H E.....	315
Beaven E A.....	316	Frost Chas.....	328
Berning H G.....	313	Galvin Thos F.....	319
Berterman Bros Co.....	318	Garland G M.....	341
Bide & Sons S.....	328	Gasser J M Co.....	319
Bobbin & Atkins.....	314	Geny Bros.....	320
Boddington A T.....	325	Giblin & Co.....	344
Bodger J & Sons Co.....	324	Gillett E G.....	313
Boland J B Co.....	317	Goodsell P H.....	314
Boligiano J & Sons.....	324	Good & Reese Co.....	I
Boston Co-operative Flower Market.....	314	Goodrich Rubber Co.....	340
Boston Flower Ex.....	310	Gorham & Chapline.....	349
Bowe M A.....	319	Grand Rapids Flower Co.....	319
Braslan Seed Grow Co.....	322	Greening Nursery Co.....	332
Brecht Co The.....	IV	Growers Cut Flower Co.....	315
Breitmeier's J Sons.....	318	Gude Bros.....	318
Brown Bag Filling Machine Co.....	324	Gunter Bros.....	315
Bruns H N.....	324	Habermann Chas.....	320
Buckbee H W.....	320	Hammond Benj.....	342
Budlong J A.....	321	Hatcher, Florist.....	320
Burnett Bros.....	II	Hart Geo B.....	314
Burpee W A & Co.....	II	Haven Seed Co The.....	324
Caldwell the Woodsman Co.....	316	Heacock Jos Co.....	321
Camp Conduit Co.....	352	Heil John & Son.....	317
Carroll M M.....	324	Henderson A & Co.....	326
Chicago Carn Co.....	I	Herr Albert M.....	321
Chicago Flower Growers Assn.....	300	Herrmann A.....	344
Chicago House Wrecking Co.....	350	Hess & Swoboda.....	320
Clark E B Seed Co.....	II	Hews A H & Co.....	352
Clark's Sons David.....	319	Hilfinger Bros.....	352
Cleveland Cut Flower Co.....	319	Hill E G & Co.....	333
Conard & Jones.....	331	Hines E Lumber Co.....	350
Cooke Geo H.....	317	Hitchings & Co.....	344
Cotsonas Geo & Co.....	316	Hoerber Bros.....	302
Cowee W J.....	336	Hoffman Flo Artist.....	319
Coy H C Seed Co.....	324	Hoffmeister Flo Co.....	312
Craig Robt Co.....	332	Holm & Olson.....	318
Critchell C E.....	311	Holton & Hunkel Co.....	313
Crump Frank F.....	318	Home Car School.....	328
Cunningham Jos H.....	327	Hooker H M Co.....	345
Daniels & Fisher.....	319	Hunt E H.....	311
Dards Chas.....	318	Hurff Edgar F.....	324
Davy.....	324	Igoe Bros.....	336
Day James.....	316	Illinois Pipe Mfg Co.....	348
Deamud J B Co.....	309	International Heater Co.....	349
Des Plaines Flor Co.....	321	Interstate Tob Co.....	347
Detroit Flower Pot Mfg.....	352	Isbell S M & Co.....	324
Dietsch A & Co.....	IV	Jackson & Perkins.....	331
Diller Caskey & Keen.....	343	Jacobs S & Sons.....	345
Dillon J L.....	333	Johnson J Oliver.....	324
Dingee & Conard Co.....	329	Johnson WW & Son.....	II
Dorner F & Sons.....	321	Jones E W Nursery Co.....	332
Dreer H A.....	331	Jones Percy.....	311
Duerr Chas A.....	320	Kasting W F Co.....	312
Dunlop John H.....	319	Keller Geo & Sons.....	352
Dwelle-Kaiser Co The.....	343	Keller JB & Sons.....	370
Eagle Machine Wks.....	348	Kellogg Geo M.....	317
Edwards Folding Box.....	336	Kennicott Bros.....	308
Eisele C.....	328	Kentucky Tobacco Product Co.....	346

Kuehn C A.....	302	312	Pollworth C C Co.....	313
Kuhl Geo A.....	321		Vaughan's Seed Store.....	303
Kyle & Foerster.....	311		I 327 328 330 331	
LaCrosse Floral Co.....	320		333 349 352	
Lager & Hurrell.....	I		Vestals.....	320
Lange A.....	317		Vick's Sons Jas.....	320
Landreth Seed Co.....	324		Vincent R Jr.....	I 330
Lecakes N L & Co.....	315		Walker F A & Co.....	320
Lederer John.....	349		Wagner Park Cons.....	332
Leedle Floral Co.....	331		Ward & Co R M.....	II
Leonard Seed Co.....	324		Weber F H.....	320
Lockland Lumb Co.....	348		Weeber & Don.....	324
Lord & Burnham Co.....	345		Weigelt & Co.....	326
McCullough's J M Sons Co.....	313		Weiland & Risch.....	311
McCallum Co.....	312		Welch Bros.....	312
McConnell Alex.....	317		Wertheimer Bros.....	II
McCoy L W.....	320			
McHutchinson & Co.....	328			
McKellar Chas W.....	310			
McKenna P & Son.....	319			
Mangel.....	317			
Martin Grate Co.....	346			
Mastin J G & Co.....	345			
Masur S.....	317			
Matthews Florist.....	319			
May & Co L L.....	317			
Means & Thacher.....	348			
Meconi Paul.....	315			
Mette Henry.....	330			
Meyer John C & Co.....	340			
Michigan Cut Flo Exchange.....	316			
Millang Chas.....	315			
Miller A L.....	331			
Moninger J C Co.....	III			
Moore, Hentz & Nash.....	315			
Morehead Mfg Co.....	350			
Mt Gilead Pottery Co.....	352			
Munk Floral Co.....	312			
Murray Samuel.....	318			
Myers Florist.....	320			
Nat Flo B of Trade.....	335			
N Y Cut Flower Ex.....	315			
Niessen Leo Co.....	312			
Oechslin Frank.....	333			
Oklahoma Seed Gro Co.....	324			
Palethorp P R.....	352			
Palmer W J & Son.....	318			
Park Floral Co.....	318			
Patten & Co.....	II			
Peacock Dahlia Fms.....	332			
Pedrick Geo & Son.....	II			
Pennock-Meehan Co.....	315			
Penn the Florist.....	318			
Peters & Reed Poty.....	352			
Pierce F O Co.....	344			
Pierston A N (Inc).....	332			
Pierston F R Co.....	I 333			
Pillsbury I L.....	336			
Pieters & Wheeler Seed Co.....	322			
Pinkston Jas E.....	316			
Pittsburg Cut Flo Co.....	312			
Podesta & Baldocchi.....	319			
Poehlmann Bros Co.....	298	304		

Vaughan A L & Co.....	303	Western Seed & Irrigation Co.....	324
Vaughan's Seed Store.....	I 327 328 330 331	Wietor Bros.....	305
333 349 352		Wilks S Mfg Co.....	350
Vestals.....	320	Wilson R G.....	317
Vick's Sons Jas.....	320	Winandy M & Co.....	344
Vincent R Jr.....	I 330	Wittbold G Co.....	317
Walker F A & Co.....	320	Wittbold Henry.....	320
Wagner Park Cons.....	332	Wood Bros.....	328
Ward & Co R M.....	II	Wolfskill Bros & Morris Goldenson.....	319
Weber F H.....	320	Wrede H.....	324
Weeber & Don.....	324	Yokohama Nrs Co.....	II
Weigelt & Co.....	326	Young A L & Co.....	315
Weiland & Risch.....	311	Young & Nugent.....	317
Welch Bros.....	312	Youngs.....	320
Wertheimer Bros.....	II	Zech & Mann.....	309

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS.,

266 North 9th St.,
BROOKLYN, N. Y.

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place. CHICAGO

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.



Mention the American Florist when writing



BEFORE



AFTER

Mention the American Florist when writing

Split Carnations

Quickly, Easily and Cheaply Mended.
No Tools Required.

Pittsburg Carnation Staple
Patented 1898.
2000 for \$1.00 postpaid.

I. L. PILLSBURY,
Galesburg, Ill.

Wm. Schlatter
& Son,

422 Main St., Springfield, Mass.

Circulation in Buyers' Brains

Is the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per doz.; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veitchii, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition: \$5.00—100. \$35.00—1,000; second grade, \$3.00—100. \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. 2-in. Smilax, \$2 per 100; \$15 per 1,000. GEORGE REINBERG, 162 N. Wabash Ave., Chicago, Ill.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c.; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2½ in., heavy, \$3 per 100. Also moss fern (Selaginella), 2½ in., extra fine and bushy, \$4 per 100. Wagner Park Conservatories, Sidney, O.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5; 4-in., \$6 per 100. J. C. Schmidt, Bristol, Pa.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Springer, 2½ in., \$3 per 100. Plumosus, 2½ in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

Asters. Semple's Branching, \$2.50 per 1,000; 5,000 for \$10. J. C. Schmidt, Bristol, Pa.

Asters, from \$1 to \$3 per 100. Geo. B. Hart, Rochester, N. Y.

AZALEAS.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

CALLAS, extra fine, vital bulbs, 4-in. circumference, \$60 per 1,000; 5-in., \$80; 6-in., \$100. Delivered by express prepaid. Cash with order. Lilydale Bulb Co., Santa Cruz, Cal.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, Multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

10,000 prime Watsonia bulbs, \$2 per 100; \$16 per 1,000. The lot for \$150 f. o. b. Pasadena. Will S. Laurie, Pasadena, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Callas. Patten & Co., Tewksbury, Mass.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cinti.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress.....	\$7.00	\$69.00
White Enchantress.....	8.00	75.00
Rose-pink Enchantress.....	7.00	60.00
Lawson Enchantress.....	7.00	60.00
Norwood, better than Perfection.....	8.00	70.00
Dorothy Gordon.....	7.00	65.00
Beacon.....	8.00	75.00
Victory.....	7.00	60.00
White Perfection.....	8.00	75.00
Lady Bountiful.....	6.00	55.00
Harlowarden.....	6.00	55.00
Sangamo.....	6.00	55.00
Alvina.....	6.00	55.00
May Day.....	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Beacon, nice stock.....	\$6.00	\$55.00
Victory, medium.....	5.00	40.00
Boston Market, nice.....	4.00	35.00
White Perfection, medium.....	5.00	45.00
White Enchantress, nice.....	5.50	50.00
Enchantress, nice.....	5.50	50.00
Rose Pink Enchantress.....	5.50	50.00
Varietated Lawson.....	4.50	40.00

This stock is ready for immediate shipment. Cash with order please.

JOS. SCHOOS, Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress.....	\$6.00	\$55.00
Washington.....	6.00	55.00
White Lawson.....	4.00	35.00
Pink Lawson.....	4.00	35.00
Winsor.....	4.50	40.00
Victory.....	5.00	45.00
White Perfection.....	6.00	55.00

162 N. Wabash Ave., Chicago.

Carnations out of sandy field, short bushy plants in best condition.

	Per 1,000
Pink Enchantress.....	\$45.00
White Perfection, Winsor.....	40.00
Victory, medium size plants.....	35.00

100 at 1,000 rate.
Plants grown in sandy field; have strong roots; ship better and stand replanting without check. Write for prices on large lots. Samples on request. Cash or reference. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

CARNATIONS.

	Per 100	Per 1,000
White Enchantress.....	\$6.50	\$60.00
Enchantress.....	6.00	55.00
W. C. Ward.....	6.00	55.00
Pink Delight.....	8.00	75.00

F. F. SCHEEL, ILL.

CARNATION PLANTS—25,000 fine, clean, healthy field-grown stock, of the following varieties: White Perfection, Taft, Victory, Pink and White Lawson, Pink Enchantress, and Winsor, now ready for shipment at \$8 per 100 or \$50 per 1,000. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Field-grown carnations. White Enchantress, Pink Enchantress, Winsor, White Perfection, Queen, Penn. Lawson, \$6 per 100. Chas. H. Green, Spencer, Mass.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 3,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, extra fine, healthy and bushy plants from field. 500 Enchantress, 600 White Winsor, 550 Winsor, 200 Winona, 750 W. Perfection, 600 Lawson, 240 Sangamo, \$6 per 100; \$50 per 1,000, cash. John Nelson Co., Oshkosh, Wis.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Carnations, field-grown, Washington, \$5 per 100; \$45 per 1,000. Pink Enchantress, \$5 per 100; \$45 per 1,000. Victory, \$5 per 100; \$45 per 1,000. Winsor, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82 Randolph St., Chicago.

Very choice field-grown carnations, Enchantress, White Perfection, Georgia, white, Victory, \$5 per 100; \$45 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Field-grown Carnations NOW READY. W. Perfection, Scarlet Glow, Beacon, Victory, Mrs. C. W. Ward, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Harry Hehl, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. McFarth & Bros., Easton, Pa.

For Sale—1,000 carnation plants, Rose Pink Enchantress, 1,000 carnation plants, White Perfection. Very choice plants, \$6 per 100; \$50 per 1,000. J. F. Ammann Co., Edwardsville, Ill.

Carnations, Winsor, White Enchantress, Rose Pink, Pink, White Perfection, Lawson, \$6 per 100; \$50 per 1,000. Addams, Morgan & Co., Paxton, Ill.

Carnations, field-grown, strong, clean stock; 15,000 Enchantress, \$5 per 100; \$45 per 1,000. 5,000 Rose Pink Enchantress, \$5 per 100; \$45 per 1,000. The Brown Floral Co., Canton, O.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Field-grown carnation plants, 555 Sangamo, 50 Lady Bountiful, \$5 per 100. Good healthy plants. Cash please. Edgar Easterday, Nokomis, Ill.

Carnations. F. Dörner & Sons Co., La Fayette, Ind.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$6 per 100; \$50 per 1,000. Otto J. Hembreker, Lincoln, Ill.

1500 Thos. W. Hembler, 1500 Winsor, 1st size plants, \$4 per 100. J. S. Wilson Floral Co., Des Moines, Iowa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Des Plaines Floral Co., Des Plaines, Ill.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Act. Frost, C. Touset, White Cloud, Kalb Queen, Mile. Des Jonis, Florence Pullman, Yellow, Halliday, Col. Appleton, Pink, Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii, Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3½-in., \$8 per 100. A. L. Miller, Brooklyn, N. Y.

DAHLIAS.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DEUTZIAS.

Deutzia gracilis, \$15 per 100. A. L. Miller, Brooklyn, N. Y.

DRACAENAS.

Dracaena terminals, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaena indivisa, 5-in., \$25 per 100. A. L. Miller, Brooklyn, N. Y.

FERNS.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman's Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in. pots, 15c each or \$12.50 per 100; 5-in. pots, 25c each or \$22.50 per 100. Edw. Doege Co., 4344 N. Springfield Ave., Chicago, Ill.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Geo. A. Kuhl, Pekin, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns in flats, \$2 per flat; 20 flats or more, \$1.75 per flat. McHutchison & Co., 17 Murray St., New York.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bostons, 2½-in., \$5 per 100; 500 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Adiantum cucumatum, 3-in., \$8 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, Nutt, Buchner, Viaud, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Viaud, La Favorite, Rose, ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, unrooted cuttings, S. H. Nutt, 75c per 100; \$6.50 per 1,000. Otto J. Hembreker, Lincoln, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poitevine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Longwood, N. C.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 3-in., 2 to 4 shoots, \$8 per \$100; \$75 per 1,000. Erie Floral Co., Erie, Pa.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOSS.

Fresh stock of floral moss for designing and decorating. Guaranteed to be A1. If not as represented, purchaser can return at our expense. Also fibrous peat, good quality, one 10-bbl. bale, \$4; two 10-bbl. bales, \$7. Price list mailed on packing moss in quantity. W. H. Stackhouse, Waretown, N. J.

Sphagnum moss, 12 bbl. bale, \$4.50. Green turf and live sphagnum moss, \$1.50 per barrel. James Day, Milford, N. H.

MUSHROOM SPAWN.

Mushroom Spawn, Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dbonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Peach seed, galax leaves, white pines and forest trees. E. W. Jones Nursery Co., Woodlawn, Va.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, ilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178 Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

Orchids. H. Stanley, Sandeross Lane, Relgate, England.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Cycas stems. Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansies. If the same exacting conditions and restrictions are followed, pansy seed is not produced anywhere in the world at a price less than from two to four times what we get for MASTODON PANSY SEED. grown in our gardens. Get color plate catalogue. New Crop now ready, 1-12 oz., \$1; ¼ oz., \$2.50; ½ oz., \$4.75; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansy plants. Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, best German strain, separate varieties. \$2.50 per 1,000. O. K. Heege, Station 8, Seattle, Wash.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatissima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies. For varieties and prices see advertisement elsewhere in this issue. The E. G. Hill Co., Richmond, Ind.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, well established 2½-in. none better, \$5 per 100; \$40 per 1,000. Cash, W. Stertzing, 7280 Manchester Ave., St. Louis, Mo.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS OUR SPECIALTY.
Headquarters of the West.

	Per 100	Per 1,000
2½-in., strong plants.....	\$5.00	\$40.00
2½-in., extra strong plants.....	6.00	50.00

We Practice Particular Packing.
ROBER & RADKE, Illinois.

POINSETTAS, rooted top cuttings, true type, 2½-in. pots, for July, August and September delivery at \$6 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., shipped in paper pots, \$6 per 100; \$50 per 1,000. Frank Oechlin, 4911 Quincy St., Chicago.

Poinsettias, 2½-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Poinsettias, 2½-in., now ready, \$5 per 100. Cash, please. Harry Heini, West Toledo, O.

PRIMULAS.

Primroses, Chinese and Forbesii, 2½-in., \$2 per 100. Obconica grandis, alba and rosea, \$2. Obconica Gig. and Kermesina, \$3. Malacoides giant baby, \$2. Jos. H. Cunningham, Delaware, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula Sinensis, \$3 per 100; \$25 per 1,000. Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Malacoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Chinese primroses, 2½-in., \$3 per 100; \$25 per 1,000. Frank Oechlin, 4911 Quincy St., Chicago.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.	Per 100	Per 1,000
American Beauty, 2½-in.....	\$4.50	\$40.00
Jardine, 2½-in.....	3.00	25.00

Ready Now. Order Early.
WIETOR BROS., Chicago.

Rose Erna Teschendorf, 2½ in., 20c each; \$2 per doz.; \$15 per 100; 3½ in., 30c each; \$3 per doz.; \$20 per 100, 4 in., 35c each; \$3.50 per doz.; \$25 per 100; 2-yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, strong, clean stock. Kaiserin Augusta Victoria, Perle, Richmond, own root, out of 3½-in. pots, at \$6 per 100. Pink and White Killarney, grafter, at \$12 per 100. P. R. Quinlan, Syracuse, N. Y.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 My Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2½-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, Brides, Maids, Beauties, Ivory, Uncle John, Kaiserin, Geo. A. Kuhl, Pekin, Ill.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.....	\$2.50	\$0.50
" Gracillius luminosa, finest red.....	2.50	.50
" Triumph, finest white.....	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, beans, beet, cabbage, carrot, kohl rabi, leek, lettuce, onion, peas, radish, spinach, turnips, swedes, asters, balsams, begonias, carnations, cinerarias, glorioxias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, Asparagus Hatcheri, 100 seeds, \$1.50; 250 seeds, \$2.85; 500 seeds, \$5.25; 1,000 seeds, \$10. Vaughan's Seed Store, Chicago and New York.

Seeds, Pansy, calceolaria, cineraria, primula, cyclamen. For prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seeds, pansy, trade pkt., 50c; \$1.50 per ¼ oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

The Gerbera hybrid (Barberton daisy), 50c per pkt. Roots from old plants, 50 for \$6. Etablissements Horticoles Du Littoral, Cap. D'Antibes (Alpes-Maritimes), France.

Seeds. Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seed, cyclamen. For prices see advertisement elsewhere in this issue. Weigelt & Co., Erfurt, Germany.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Onion Sets. Egyptian tree or winter. Vaughan's Seed Store, Chicago and New York.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snappedragons, Killarney pink, sulphur, yellow and pure white, from 2½-in. pots, \$2 per 100; \$18 per 1,000. Cash. W. F. Duntzman, Bensenville, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

To exchange, coniferous evergreens for palms, ferns, clematis paniculata seedlings, hybrid tea roses, chrysanthemums. The Greening Nursery Co., Monroe, Mich.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers. Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., 1/4 lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hildinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

The Winner Paint and Putty for greenhouse work. Menna & Thatcher, 6 and 8 Custom House St., Boston, Mass.

Red Devil glass cutter. Smith & Hemenway Co., 151 Chambers St., New York.

Glass, greenhouse and hotbeds. Sharpe, Partridge & Co., 2269 Lumber St., Chicago.

"Martin, the grate with enthusiastic users." The Martin Grate Co., 347 Dearborn St., Chicago.

Revere Garden Hose. Revere Rubber Co., Chelsea, Mass.

RUBBER HOSE

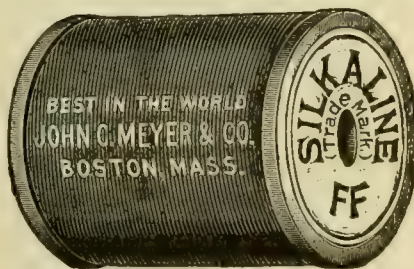
of
Quality

IF YOU DID NOT GET
ONE OF OUR

Novelty Sample Boxes

LET US SEND YOU ONE.

THE B.F. GOODRICH CO. Akron, O.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Flower boxes. The Sefton Mfg. Co., 1335 W. 35th St., Chicago.

Superior wire work. E. G. Gillett, 131 E. Third Ave., Cincinnati, O.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pine Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad
to make our fall purchases.

?? Will You Place
Import Orders ??

On first quality **Cycas Leaves**, Genuine Imported **Waterproof Crepe Paper** (trade-mark Westfalia), **Gold Leaf Script Letters** and **Words**; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on
Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: :: ILL.

Mention the American Florist when writing

THE NAME GARLAND

STANDS FOR
Originality and Quality

**If You Want the Best in Cast-
Iron Gutters and Greenhouse
Construction Materials, Write
to Us To-day.**

**Plans and Estimates Cheerfully
Submitted Free of Charge.**

Geo. M. Garland Co.,

**Lock Box S,
DES PLAINES, ILL.**

EFFECTIVE MEDICINE AGAINST BUGS



Sold by the Seedsmen of America

Send for Pamphlet on Bugs and Blights, to B. Hammond, Fishkill-on-Hudson, N. Y.

Altoona, Pa.

Myers Bros. continue to do a good business both at their Altoona and Hollidaysburg stores. They have two ranges and a large area of glass. Their new range near Hollidaysburg is an ideal site and they have also a farm there. They expect to build more houses in the near future. An event which will be of interest to many florists is their suit for \$40,000 against the Pennsylvania Railroad Co. Some years ago the Pennsylvania placed a sidetrack along the front of Myers Bros.' Eldorado greenhouses, also a signal tower. As many as twelve engines at a time are stopped and pour their smoke and gases from the cylinders, continually covering the glass and Myers Bros. were forced to build another range two miles away as a result.

A. A. Whitbred continues to sustain his reputation as a grower of fine geraniums and other bedding plants, using up about one carload of pots each year. He also has a considerable glass area in cut flowers. He has now about 30,000 square feet of glass and a retail store in the heart of the city.

J. A. Wilt & Son, whose greenhouses are at Greenwood, have been selling good gladioli at their stand in the Green Avenue market.

Oklahoma City.

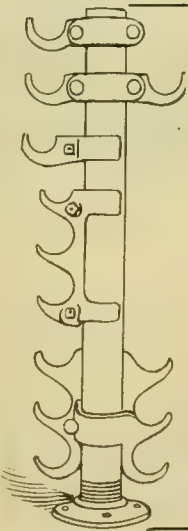
COOL WEATHER HELPS FLOWERS.

A full week of comparatively cool weather has been our lot and it seems to have had a good effect on the flower trade. The retailers say business has been quite good, some kinds of flowers being too scarce to meet the demand.

NOTES.

The bedding at some of the small parks which are scattered throughout the city is at its best now. Stiles Park in particular is looking very gay and bright.

Lon Foster, of the Barteldes Seed Co. is back from Tennessee, where he has been for a month on vacation.
S. S. B.



Just Remember - -

that you are going to be in need of some small fittings and accessories in a few days. Garland carries a complete line of greenhouse fittings and can supply your wants now. Our new pipe hanger is a marvel, and you cannot afford to be without it this year.

Write now for our price list.

Geo. M. Garland Co.

Lock Box S, DES PLAINES, ILL.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 116 illustrations. PRICE, \$1.50

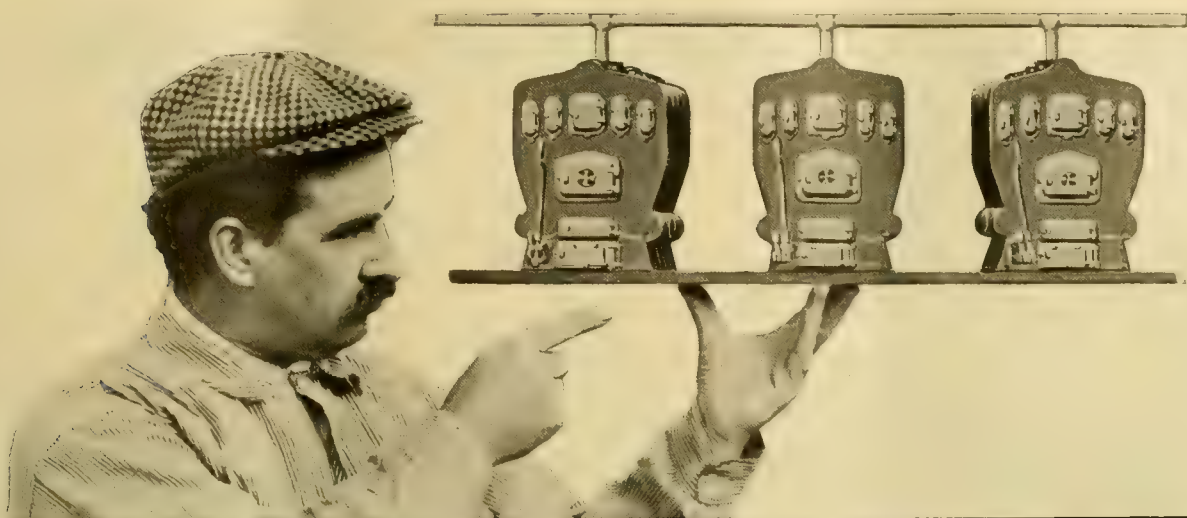
Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago



Hook Burnhams Up In Batteries That's The Way To Save Coal

You save coal because you burn just the coal you need, just when you need to. No running of a big 100-horsepower boiler when you need only 25 horsepower.

By installing Burnhams in Battery you overcome the necessity of the expensive chimney that steel tubular boilers require—you avoid the costly masonry work—you cut down the cost of installation by a full third—you get away from the bother and ever-recurring expense of replacing tubes.

For ranges up to certain limitations, unquestionably,

cast iron boilers in batteries are the most economical. Steel tubular boilers become an economical necessity only at the point where Burnham Batteries reach their limit. Both types do the best work in the work for which they are best adapted.

We will advise you frankly and sell you the type boiler best adapted to your particular needs.

Write us and get the advantage of the advice of our heating engineers and experts. Costs nothing and may save you much.

Lord & Burnham Co.

SALES OFFICES:

NEW YORK

St. James Bldg.

PHILADELPHIA

Franklin Bank Bldg.

BOSTON

Tremont Bldg.

CHICAGO

Rookery Bldg.

FACTORIES:

IRVINGTON, N. Y.

DES PLAINES, ILL.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets.

PHILADELPHIA.

**VENTILATING
APPARATUS**

We Built the First Curved Eave House

having a flat rafters iron frame. These are the houses. They are at Menands, N. Y. We are now building at the same place a duplicate of the houses. The marked success of this form of construction has prompted other concerns to make curved eave houses, but none

of them are as simple or as downright practical as ours, for either commercial or private use. In our new catalog you will find considerable space devoted to this curved eave of ours. Send for the catalog.



HITCHINGS & CO., ELIZABETH, NEW JERSEY

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St., NEW YORK.

Mention the American Florist when writing

M. WINANDY CO., Mfgs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About a No. 5 Superior Boiler :

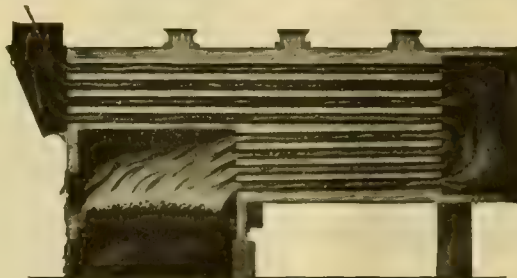
SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

CHICAGO, ILL., March 12, 1912.

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

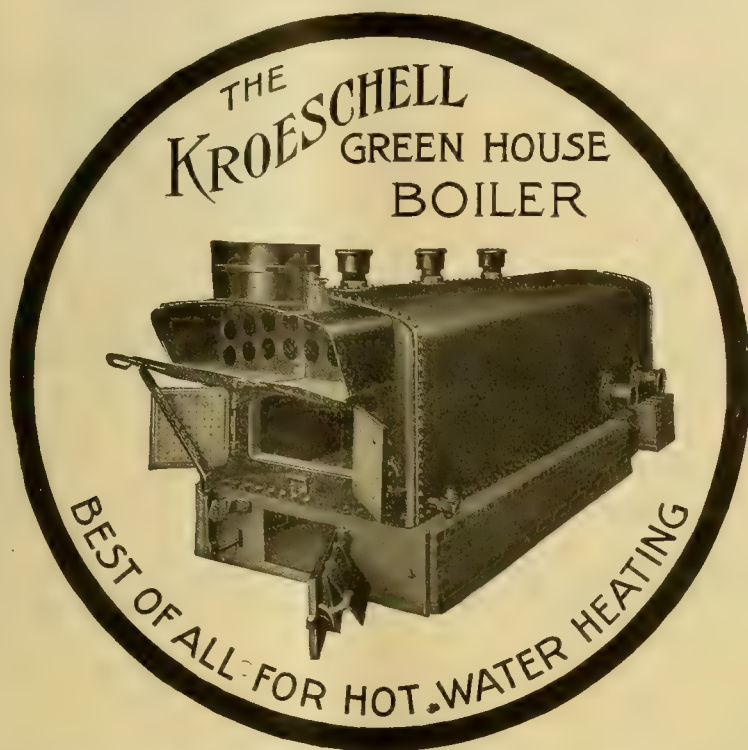
Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), **OR**
KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits.)



KROESCHELL BROS. CO., 452 W. Erie Street,
CHICAGO, ILL.

WHAT THE USERS SAY

—ABOUT—

KROESCHELL BOILERS

Cast Iron Boilers Crack

Our large cast iron sectional boiler cracked one section and the header last Sunday. It seemed to turn cold about the same time the break occurred. By Monday night it was 14 degrees below zero. However, by putting up coal stoves, oil stoves, lamps and pushing up the small furnace we have managed to keep most of our stock in pretty good shape, and our total loss, furnace and all, will be between \$500 and \$600. Just luck that it was not all gone.

New Kroeschell boiler ordered by telegraph on Sunday, shipped Monday, reached here on Friday; hauled to greenhouse on Saturday and started a fire Sunday; just seven days and ten hours after the accident. When dealing with people who will deliver a boiler as quick as that you cannot give up.

Yours very truly,
MICHLEBROS. CO., Lexington, Ky.

Took Out Cast Iron Boilers for Kroeschell.

I bought two No. 4 Boilers in 1902. They take care of 24,750 square feet of glass and could take care of one-third more. These boilers are rated at 21,000 square feet. They do very satisfactory work, better than any other boiler I ever had. I took out my cast iron boilers and put these in their place. Your boilers save at least 15 per cent coal.

JAS. S. KIRK, Chicago, Ill.

Kroeschell Versus Cast Iron.

Have no trouble to keep up temperatures in my houses with the No. 10 Kroeschell Boiler. The boiler has given entire satisfaction. We had a cast iron sectional boiler—I wouldn't have one for a gift any more.

LOUIS OTTO, Neenah, Wis.

Better Than Cast Iron.

We bought a No. 1 Boiler in 1902. It is very satisfactory. We had several cast iron boilers, but like yours much better.

E. FERRAND & SONS, Detroit, Mich.

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod, Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

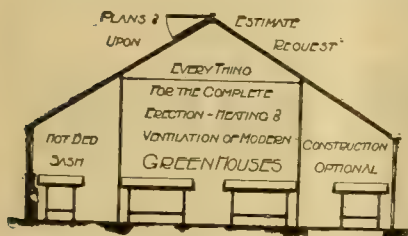
J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing Ave.,
Brooklyn, New York

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

The Only Practical Way to Cut Your Green House Glass Is With This



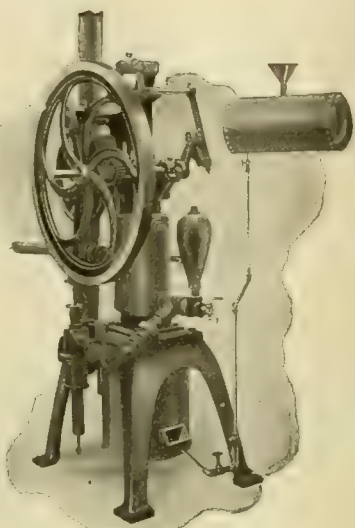
Florists everywhere are using it in preference to any other. Good hardware stores everywhere sell "Red Devil" Glass Cutters as well as some of the

"It's all in the wheel"

Red Devil Glass Cutter No. 024.

SMITH & HEMENWAY CO., 151 Chambers St., New York City, N. Y.

other 3,000 tools we make. If you are not using "Red Devil" Glass Cutters, we will give you an opportunity to try them. Send us 3 2c stamps and one sample only will be sent you post paid.



Hot Air Pumping Engine

AUTOMATIC WATER SUPPLY

OUR system consisting of pump motor, pneumatic tank and automatic switch, will automatically supply water for all purposes.

The Hot Air Pumping Engine has no equivalent where electric power is not available.

Centrifugal circulating pump for hot water heating system.

Automatic condensation pump and receiver.

Biige pumps, triplex pumps, cellar drainers, etc.

Manufactured by

THOMAS & SMITH, Inc.

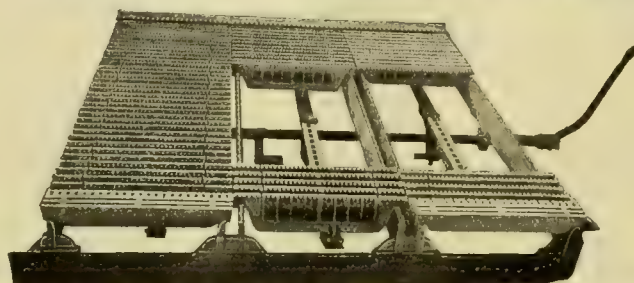
116-118 No. Carpenter Street :: CHICAGO, ILL.

For full information write for catalog B.



Automatic Electric Water System

"Martin, the Grate with Enthusiastic Users"



Twelve years' continuous and successful use in the best and largest plants of florists, who endorse it.

Write Us Now Before Cold Weather Comes.

THE MARTIN GRATE COMPANY, 347 S. Dearborn St., Chicago, Ill.

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
388 sheets.....	6.50
1798 sheets.....	35.10

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

Furnishes the Most Nicotine for the Money!

Pint.....	\$ 1.00
½ Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

PULVERIZED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

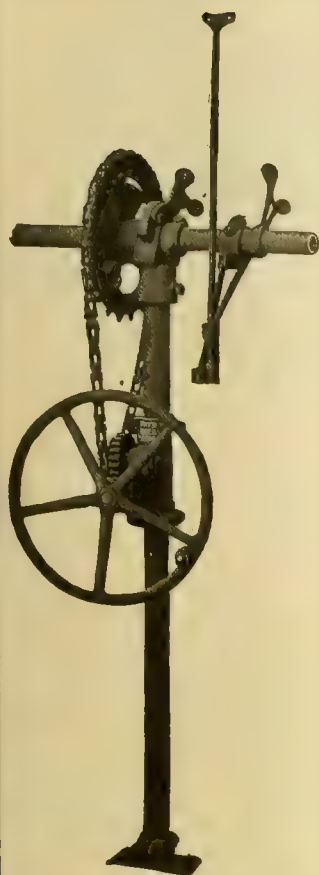


PULVERIZED OR SHREDDED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other: — Best for Carnations and Chrysanthemums— Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago



Let us equip that new greenhouse
plant with our modern : : :

Big Advance Ventilating Apparatus

There is nothing like it on the market today;
nothing that will even compare favorably with it.

Our prices are reasonable and our material is of
the highest quality.

Just think of the advantage of 1¼ in. shafting pipe
—42 per cent. stronger in twist relation than 1 in.
double strength pipe, and then consider that we
sell 1¼ in. shafting for two cents less per foot than
we are able to sell 1 in. double strength shafting.

The prices for our **BIG ADVANCE MACHINE**
and parts are as follows:

BIG ADVANCE MACHINE including post... Each,	\$10.50
BIG ADVANCE MACHINE without post.....	9.75
Arms, twistless or elbow.....	.25
Hangers.....	.08
1¼ in. standard shafting pipe.....Per ft ,	.06

Write us now for an Estimate upon your requirements.

ADVANCE CO. :: Richmond, Ind.

FERTILENE

Especially prepared for the production of
lusty **CHRYSANTHEMUM BLOOMS.**

THE ADVANTAGES of Fertylene over other
manure, are: It is clean, has no offensive
odor, is soluble and thus easily prepared; is
immediate and permanent in its effect, so
highly concentrated that it is the cheapest,
saves time and labor and gives accurate results.
1-oz. is sufficient for ten gallons. Ten pounds,
\$3.00; twenty-five pounds, \$6.00; fifty pounds,
\$10.00. Sample packets of one-half pound
mailed for 30c. Sample packets of one-pound
mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

United Fertilizer Company

Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

**THE EARLY ADVERTISE-
MENT GETS THERE.**

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write
for our special offer to the American trade. Agents' circu-
lars, pamphlets, etc. to sole makers. Write for prices, etc.

**Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenfords, Scotland.**



Mention the American Florist when writing

JOHN H. MEANS



Established over a quarter century.

E. E. DUNLAP, who represented us at the
S. A. F. Convention at Chicago.

GEO. C. THACHER

**MEANS & THACHER**

Sole Manufacturers of

THE WINNER PAINT and PUTTY.

Reg. U. S. Pat. Off.

FOR GREENHOUSE WORK

As our best advertisement, we refer prospective buyers to the many users of "The Winner Paint"

Bostonian House Paint**Atlantic Coast House Paint****6 & 8 CUSTOM HOUSE ST., - - - BOSTON, MASS.**

Telephone Connection.



It is remarkable
how many ways
there are to do
a thing wrong.

There may also be many right
ways, but there's bound to be
one way better than all the
other ways.

Experience only can tell which
way is the best of all ways. Lord
& Burnham is the only firm in
the country with half a century's
experience in greenhouse build-
ing. Just a quarter of a century
ahead of the next oldest.

Send for Handy Hand Book.

**Lord & Burnham Co.****SALES OFFICES:**

New York Philadelphia
St. James Bldg. Franklin Bank Bldg.
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

1868

Lockland Lumber Co.
GREENHOUSE LUMBER

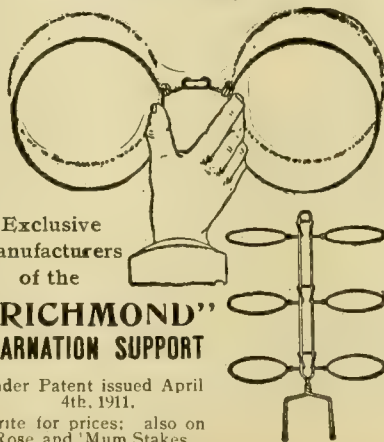
Lockland

1912

Ohio.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
GARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

**ALL Nurserymen, Seedsmen and Florists wishing
to do business with Europe should send for the**

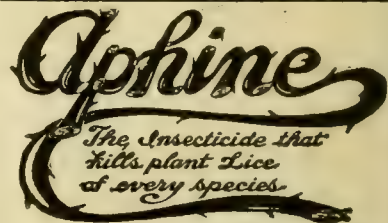
"Horticultural Advertiser"

This is the British Trade Paper, being read weekly
by all the horticultural trade; it is also taken by
over 1000 of the best continental houses. Annual
subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, appli-
cants should, with the subscription, send a copy of
their catalog or other evidence that they belong to
the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

**The Recognized Standard Insecticide.**

Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, red spider, thrips,
mealy bug, brown and white scale.

Universally endorsed by commercial grow-
ers and professional gardeners of reputation
as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE**"Actions Speak Louder than Words."**

So we are willing to let the merit of this com-
paratively new fungicide speak for itself. We
claim it has no equal for mildew, rust and wilt
attacking flower, fruit or vegetable plants. A
trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials,
readily soluble in water, used at various
strengths, according to directions on each can.
They are equally effective in the greenhouse
and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.
M. C. Ebel, General Manager.

Mention the American Florist when writing

50% SAVED.
Pipes, Flues

and Casings thoroughly overhauled and guaran-
teed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

The Early Advertisement Gets There.

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 32' OR LONGER.
 THE J. T. STEARNS LUMBER CO.,
 NEWTON, BOSTON, MASS.

Peerless Refrigerators

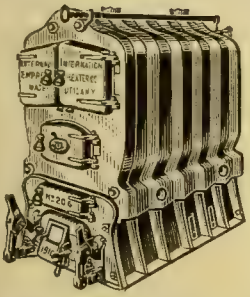
Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe



Describe a
First-Class
Greenhouse
Boiler.
Fuel capacity
for the longest
winter.
Simple enough
to be fool proof
and conservatively
rated.
That is the
**INTERNATIONAL
Empress Boiler**
to a dot.
If you haven't
one already,
write us now.

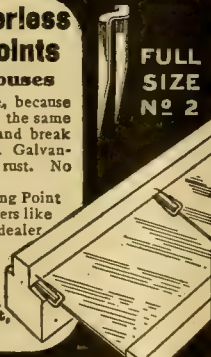
INTERNATIONAL HEATER CO., UTICA, N. Y.

**Dreer's Peerless
Glazing Points
For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

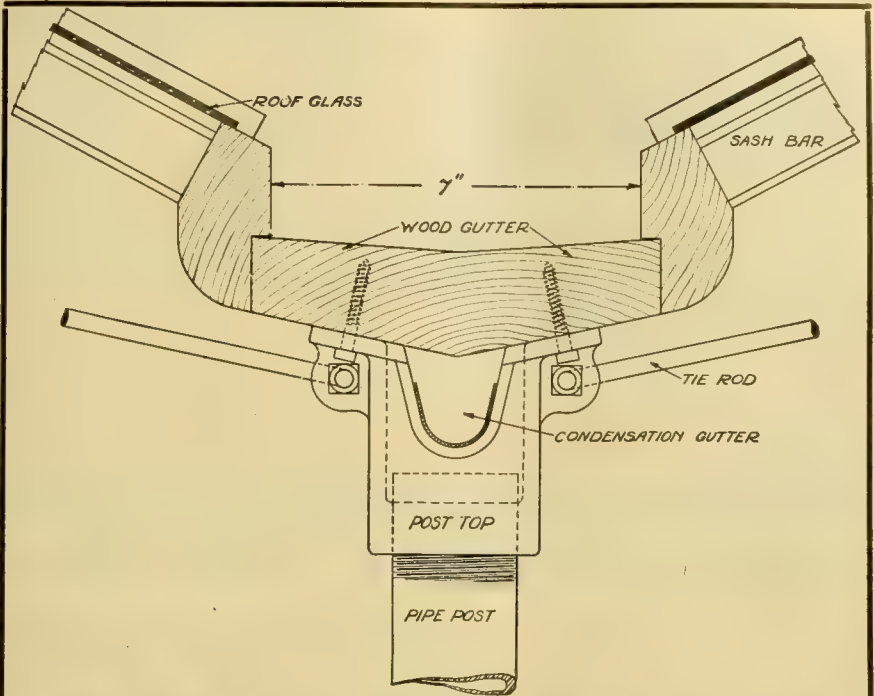
1000, 75c. postpaid. Samples free.
HENRY A. DREER,
 714 Chestnut Street,
 Philadelphia.

**FULL
SIZE
No 2**



*green Flies and
Black ones too*

are easy to kill with
The Fumigating Kind Tobacco Powder
 \$3.00 per bag 100 lbs.
 Satisfaction guaranteed or money back;
 why try cheap substitutes that makers do
 not dare to guarantee?
THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



KING GUTTER

MADE OF

WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters, **"AND THEN SOME."**

Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.
 We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
 N. TONAWANDA,
 N. Y.

Boston Office
 Winthrop Bldg., 7 Water St.,
 Boston, Mass.

Eastern Sales Office
 1181 Broadway,
 New York

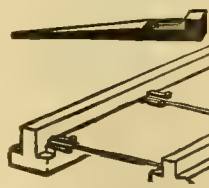
PRINTING

Letterheads, Envelopes, Billheads, Statements,
 Cards and Special Shipping Labels,
 also Seed Envelopes,
 Plate Making and Color Work.

Gorham & Chapline Printery
 542 S. Dearborn St., CHICAGO

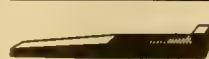
REED & KELLER,
 122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in **Glass-ware, Pottery, Decorative Greens** and
all Florists' Requisites.



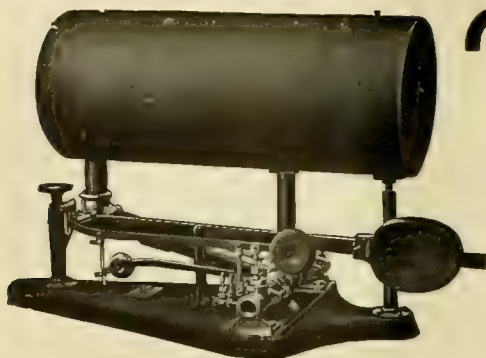
**Siebert's Zinc
Glazing Points.**
 Good for small or
 large glass, do not rust,
 easy to drive $\frac{1}{4}$ and $\frac{1}{2}$
 inch Per lb. 40c. 5-lbs.
\$1.85. 20-lbs. \$7.00
**VAUGHAN'S
SEED STORE,**
 Chicago New York.

Mention the American Florist when writing



SIEBERT'S ZINC
**Never Rust
GLAZING POINTS**
 Are positively the best. Last forever. Over
 30,000 pounds now in use. A sure preventative of
 glass slipping. Effective on large or small glass.
 Easy to drive. Easy to extract. Two sizes, $\frac{1}{4}$ and
 $\frac{1}{2}$ inch. 40c per lb., by mail 46c extra; 7 lbs. for **\$2.50**;
 15 lbs. for **\$5.00**, by express. For sale by the trade.
RANDOLPH & McCLEMENTS, Successors to
Chas. T. Siebert, Baum & Beatty Sts., Pittsburg.

The Early Advertisement Gets Three.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12005, with arms, price, ... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World.
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them.
Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

Now is the Time To Subscribe to the Horticultural Trade Journal

Published weekly. The Largest
Brightest and Best British Trade
Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

The Horticultural Printing Company,
BURNLEY, ENGLAND

GREENHOUSE BOILERS

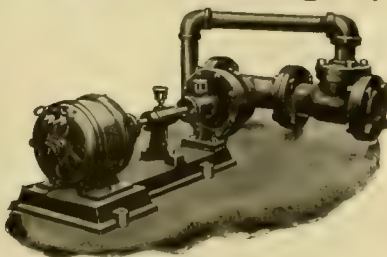
Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

PECKY CYPRESS

CEDAR POSTS, DROPSIDING AND OTHER GREENHOUSE LUMBER

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

Edward Hines Lumber Company, RETAILERS OF EVERYTHING
IN LUMBER.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO

NOW READY

The American Florist Company's

Trade Directory

For 1912

Contains 646 Pages.

Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St., CHICAGO

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

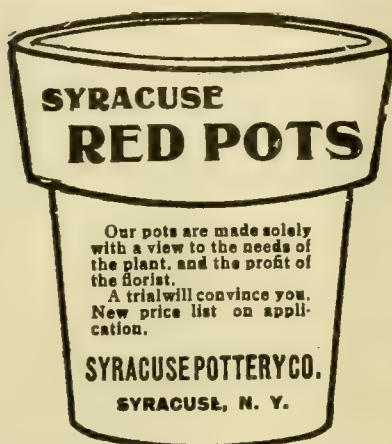
WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Pearson Street LONG ISLAND CITY, N. Y.

Established 1765

CAMBRIDGE, MASS



Mention the American Florist when writing

1000 Ready Packed Crates

Standard Flower Pots and Bulb Pans

Can be shipped at an hour's notice. Price per crate:

2000 1 1/4-in., crate, \$6.00	4564 1/2-in., crate, \$5.24
1500 2 " 4.88	320 5 " 4.51
1500 2 1/4 " 5.25	210 5 1/2 " 3.78
1500 2 1/2 " 6.00	144 6 " 3.16
1000 3 " 5.00	120 7 " 4.20
800 3 1/2 " 5.80	60 8 " 3.00
500 4 " 4.50	

Hiltfinger Bros. Pottery, Fort Edwards, N.Y.

August Rolker & Sons, 31 Barclay St.;
New York City Agents.

Our Specialty: Long Distance and Export trade.

Those Red Pots

"STANDARDS"

Full size and wide bottoms.
BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'FY

HARRY BALSLEY, Detroit, Mich.
Rep. 490 Howard St.

Standard Flower Pots

Porosity and Strength
Unsurpassed.

Write for prices.

A. F. KOHR

2624-26-28 Leavitt St., CHICAGO

Mention the American Florist when writing



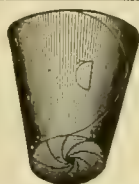
GEO. KELLER & SON,

Manufacturers of

Red Pots

Before buying write for prices.
2614-2622 Herndon St.,
CHICAGO.

Mention the American Florist when writing

Waterproof,
Don't Break,
Cost Little

NEPONSET

Flower and Vegetable Waterproof

Paper Pots

Vaughan's Seed Store, Agents,
CHICAGO and NEW YORK.

Shippers may use them and save their customers many dollars in express charges.

Mention the American Florist when writing

FOR
PROMPTNESS

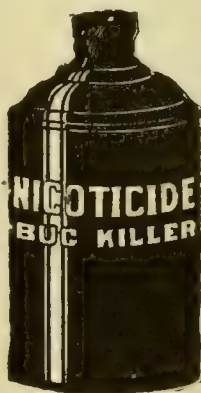
PETERS & REED

FOR
QUALITY

Standard pots for Florists in both plain and embossed. They are the Porous, Red burned kind. Our modern methods and up to date equipment insure smoothness, uniformity and durability. We can ship in any quantity at any time. Write for new illustrated price list.

The Peters & Reed Pottery Co., S. Zanesville, O.

Mention the American Florist when writing



Mention the American Florist when writing

THE BEST

Bug Killer and Bloom Saver

For PROOF
Write toP. R. PALETHORPE
COMPANY, Inc.

Clarksville, Tenn.



Wagner Plant Boxes

are the best and cheapest in the market for palms, boxwood, bay trees, etc. They are attractive in design, strong and durable suitable for either indoor or outdoor use. Made of cypress which gives them a lasting quality. We manufacture various styles and sizes. Write for prices.

Wagner Park Conservatories, Sidney, Ohio.

Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists
and Supply Dealers.Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

CHERRY RED Standard Flower Pots



Write us for prices.

We will furnish you the best quality cherry red pot at a price that will save you money. Try us and satisfy yourself.

The Mt. Gilead Pottery Co.
Mt. Gilead, Ohio.

DREER'S

Florist Specialties.

New Brand New Style.

Hose "RIVERTON"

Furnished in lengths up to 500 ft. without seam or joint.

The HOSE for the FLORIST

3/4-inch, per ft., 15 c.

Reel of 500 ft., " 14 1/2 c.

2 Reels, 1000 ft., " 14 c.

3/4-inch, " 13 c.

Reels, 500 ft., " 12 1/2 c.

Couplings furnished.

HENRY A. DREER,

714 Chestnut St.,

PHILADELPHIA, PA.

Mention the American Florist when writing

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pine Frame, with Tile Bottoms and Sides. Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, AUGUST 31, 1912.

No. 1265

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; **AmeFlo, Chicago.**

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; Wm. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New
York, April, 1913. A. FARENWALD, Roslyn, Pa.,
President; FRANK H. TRAENDLY, New York,
Vice-President; BENJAMIN HAMMOND, Fishkill-
on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New
York, April, 1913. PHILIP BREITMEYER, Detroit,
Mich., President; A. F. J. BAUR, Thirty-eighth St.
and Rockwood Ave., Indianapolis, Ind., Secretary.

BROOKLYN, N. Y.—Dailledouze Bros.
have been granted a permit to build
a new greenhouse.

CLARKSVILLE, TENN.—The Evergreen
Lodge Greenhouses were sold August
7 at public auction.

PAXTON, ILL.—The Addems & Mor-
gan Co. has purchased the Wheeler
greenhouses in Onarga.

LAKEWOOD, N. J.—McElhinney Bros.,
well known florists of Franklin, Pa.,
have purchased property here and will
erect a greenhouse.

THE CHICAGO CONVENTION

Continue: From Issue of August 24.

Thursday's Proceedings.

Promptly at 10:00 a. m., pursuant
to the constitutional provision govern-
ing the same, President Vincent an-
nounced that the polls were regularly
opened and directed the tellers—Irwin
C. Bertermann, Indianapolis, Ind.;
Peter Fisher, Ellis, Mass., and Rich-
ard A. Vincent, White Marsh, Md.—
to proceed with their duties. After the
balloting had been in progress for
some time, President Vincent request-
ed that it be suspended, stating that
Judge Vesey had asked for the floor
in order to make an announcement.
The tellers thereupon suspended oper-
ations, and Judge Vesey addressed the
convention as follows:

JUDGE VESEY WITHDRAWS.

"Gentlemen: After discussing the
situation that now presents itself to
this society and after having con-
sulted many of the gentlemen who
were kind enough to suggest that I
should be a candidate for the presi-
dency, and after considering all that
I should lose by declining the honor
of standing for the presidency of this
society at this time, I wish to make
this announcement. I have heard
many who are friends of mine, whom
I have known as leaders in this so-
ciety, men who have molded its course
in years gone by, men who have
known Mr. Farquhar of Boston for
many years, all speak of him in the
highest terms of praise and commen-
dation. Even my own old friend and
neighbor, E. G. Hill, who has known
Mr. Farquhar these many years, says
that he is the man that ought to be
president of this society, that he has
that dignity, learning, and knowledge
of the business that the president of
this association ought to have. I see
too, and see clearly, with the great
National Flower Show coming on at
New York that Mr. Farquhar with
his ability in that line and his prox-
imity to the city of New York en-
abling him to be there any time upon
a few hours' notice, and myself with
less knowledge of that sort of thing,
that perhaps I ought to ask that the
honor be not now conferred upon me.
"If Mr. Farquhar were less entitled

to it, if he were held less highly in
the esteem of this society, it might
be different, but I know now that he
spent his time in Europe last year
representing this society, that he may
be called upon to go there again, that
he is an educated florist, and notwith-
standing all the compliments that
were paid me yesterday by my friend
Manda of New Jersey, I feel that I
can fairly and with your respect and
confidence say to you now that I be-
lieve that Mr. Farquhar ought to be
president of this society this coming
year, and I desire, if I may, to with-
draw my name as a candidate for the
presidency and to ask that Mr. Far-
quhar's election be made unanimous."

This announcement was greeted
with prolonged and vigorous applause
by those who were patiently waiting
in line to cast their votes as well as
by those who had already voted, and
a voice called out: "One year hence!"

After this interruption Judge Vesey
continued: "May I request that the
depositing of individual ballots be now
suspended, and the election of the
nominee for the various offices named
upon the ticket be made unanimous
by this society?"

Vice-President August Poehlmann,
of Chicago, moved that the rules be
suspended and that the secretary cast
one ballot for the election of J. K. M.
L. Farquhar as President for the en-
suing year. The ballot was so cast
and the election of Mr. Farquhar duly
announced by the chair. Three cheers
and a tiger were proposed for Pres-
ident-elect Farquhar by H. B. Dörner,
and were given with gusto. Similar
action was taken as to the remaining
nominees, there being but one candi-
date on the ticket for each office, and
their election was duly announced, viz.:
Theodore Wirth, vice-president; John
Young, secretary; William F. Kasting,
treasurer.

W. A. Manda asked, and by unani-
mous consent was given, the privilege
of the floor on a question of personal
privilege, explaining that as to certain
remarks that had been attributed to
him reflecting upon a brother member,
he had been misquoted. His announce-
ment was greeted with applause and



GENERAL VIEW OF THE EXHIBITION AT THE S. A. F. CONVENTION, AUGUST 20-23.

cheering, led by John Westcott, and this was followed by three cheers for Mr. Westcott, proposed by Patrick O'Mara. W. F. Gude, of Washington, D. C., suggested that Judge Vesey escort President-elect Farquhar to the platform. Judge Vesey complied with the request and introduced the president-elect, asking for him as kindly treatment as the members would know how to accord.

President-Elect Farquhar's Speech.

President-elect Farquhar acknowledged the honor conferred by his election, as follows:

Mr. President, Judge Vesey and fellow-members of the S. A. F. & O. H.: I thank you for the marvelous demonstration of confidence that you have tendered to me on this occasion. I left Boston with the idea that I would not run for the presidency, and so stated to my friends not only in Boston, New York and Philadelphia, but also in Chicago. They would not take "no" for an answer. They forced me here, and here I am! I keenly feel the honor that you have conferred on me, and I feel too the responsibility which attaches to and is coupled with that honor. I realize that this growing and progressive society is becoming of greater and greater importance, is doing a larger work, has a larger membership, is widening its influence each year, and that with this increased growth there is also an increasing responsibility resting on him whom you place in its first office.

As I stated before, I appreciate the honor, and I also appreciate the responsibility attaching to it and the amount of work that will devolve upon your executive head. It shall be my earnest endeavor to promote every interest of the society, and we shall need your helpful co-operation without which but little can be done; but with your help this society has wonderful possibilities. In the several societies with which I am now connected it has been my endeavor to do my duty, and I assure you, gentlemen, in thanking you again for this honor, that I shall continue the endeavor to do my duty in this larger sphere of usefulness to which you have now called me for the Society of American Florists and Ornamental Horticulturists. [Applause.]

"Has any one else any special business to offer before we call for the final resolution?" asked President Vincent.

"If I am in order—and I think I am—I would ask that the privilege of the floor be accorded to Wallace R. Pierson of Cromwell, Conn., chairman of the publicity committee of the New York Florists' Club, who has something of interest to present to the society," said W. F. Gude.

W. R. Pierson's Speech.

Mr. President and gentlemen, in appearing before this body in this Coliseum, which has been the center of attraction in the greatest publicity movement that the world has ever

seen, and in the hall which has been the scene of our recent great political conventions, I feel that I am addressing you as a body of business men here for business purposes, and that the principal thing in our business is the return that we can get from the flower business as a whole.

The New York Florists' Club is interested in publicity for the flower industry not only from one standpoint but from all standpoints. We have had samples of what newspaper publicity can do. American baseball is a newspaper game. Practically every large movement is a newspaper game. Are we as a body of men going to allow the greatest privilege that we may utilize as a business organization to escape from us merely because we neglect to take advantage of the opportunity that is presented to make the florists' industry one of the greatest in the world through the aid of the public press?

The New York Florists' Club have prepared a resolution that we wish to present to this society calling for a general publicity committee, such committee to include in its membership representatives from all of the florists' clubs in the United States, to meet here annually concurrently with this convention as an advisory body, to consider ways and means, so that each man when he returns to his own florists' club can take back a report to that club that it may co-operate in an organized movement for publicity in



PARTIAL VIEW OF EXHIBITION HALL AT THE S. A. F. CONVENTION, CHICAGO, AUGUST 20-23, 1912.

furtherance of more general use of floral decorations and the encouragement of customs and observances that will stimulate the same and thus advance our business interests.

CO-OPERATION NECESSARY.

It has been the idea of this society for years to accumulate a large permanent fund, and I do not urge that at this time it is right or perhaps proper to break into this fund for publicity disbursements, although I know of no better purpose to which this organization could apply its fund than to improve the business conditions of the florists of the country, and in that way to derive a substantial return from our financial outlays, and offer something of value to our members in return for their membership dues. We realize that in order to carry on a publicity movement properly we must have the co-operation of the retail florist, who is the hardest man to get in; but taking the example of such cities as Detroit, Minneapolis and Rochester, where they have worked together, we see a gratifying prospect of what can be accomplished.

Gentlemen, with these few introductory remarks I wish to present to you the following resolution, and will state before reading it that the cities that have approved of this plan and are back of it, in the order in which they reported to me as chairman of the New York committee, are Louisville, Rochester, Cincinnati, Denver, Boston, Baltimore, Philadelphia, Min-

neapolis, Washington, Cleveland, Detroit, Milwaukee and New York. With a proper publicity organization which shall consist of a representative from each club in the United States, they can raise the necessary funds among themselves to carry out a consistent policy which will do much to improve business conditions of florists all over our country. As a single illustration let me cite "Mother's Day." You all know what "Mother's Day" means to the florists. This has been due to what? Merely a little sentiment originally started by newspaper work, but which meant dollars and cents for the flower business. There are other appeals to sentiment which can be practically applied in the same way. I hope to see the day come, with proper publicity, when Memorial Day will be recognized in every state in the Union, as it now is in Boston. You know that that means money for the floral industry.

In behalf of the New York Florists' Club, Mr. President and gentlemen, I therefore move the adoption of the following resolution:

RESOLUTION ADOPTED.

Resolved: That a standing committee on publicity shall be established and become a permanent committee of the S. A. F. & O. H., and that the membership of this committee shall consist of one member of each florists' club in the United States and Canada which shall organize a publicity committee and elect a representative of such

committee to membership in this general committee before October 1 annually, and such representative must be a member of the S. A. F. & O. H.

J. O. Thilow seconded the motion to adopt the resolution and it carried unanimously.

Patrick O'Mara, of Jersey City, N. J., asked and obtained the privilege of the floor for Miss Mary Hayden of Kansas City, who displayed her eloquence by a graceful act rather than by words. Smilingly advancing to the front of the room she blushingly presented to President-elect Farquhar a magnificent bunch of American Beauties. Mr. Farquhar bowed his acknowledgments.

P. O'Mara on Final Resolutions.

Mr. O'Mara was again recognized, and informally presented the final resolutions. "Mr. President and gentlemen," said Mr. O'Mara, "as I understand the situation, a committee on final resolutions has not yet been appointed, or if so is not now prepared to report. As this is to be our last business session it is meet and proper that we, before finally adjourning, should take due cognizance of all that has been done for us here as a body in this splendid growing and magnificent city of Chicago, a place where we can all come to get inspiration; a place from which we can all go home feeling that we have stored up sufficient energy to suffice for another year."

"There are some things that I wish to make particular mention of. One

is the splendid work done by the park commissioners here in Chicago, who loaned to us the magnificent exhibit that you have all seen down on the floor, a splendid evidence of what is being done for horticulture and by horticulturists in Chicago. It is right, proper and just, that we should take due cognizance of that, that we should place upon our records our keenest appreciation of the kindly courtesy of the Chicago park commissioners.

"It goes without saying, Mr. President and members of the society, that we are under many and lasting obligations to the Chicago florists, and also to the men in the allied trades in Chicago. They have taken care of us from the moment we arrived; they are taking care of us yet, and with true western hospitality they propose and purpose to take care of us to the last moment of our stay in Chicago. It is, therefore, due to them that we, before we finally adjourn, should also tender to them our thanks.

"What may I say for the ladies of Chicago? They, too, have done their full share in extending hospitalities with their husbands and brothers and fathers. They have done everything that could possibly be done for our wives, our sisters, mothers and children. They have made them all feel at home here, every one of them. We all owe them lasting obligations, and it is fitting that we should take note of it at this our closing session.

"These are the main features, Mr. President and gentlemen, that I wish noted at the present time and to give expression to in this way, with leave granted that later on a more formal report from the committee on final resolutions may appear in our printed proceedings. Let it be understood then that we tender to the park commissioners, to the Chicago Florists' Club, to the gentlemen of the allied trades, and to the ladies of Chicago, our heartiest thanks for all they have done for us. We wish that they may live long and prosper, every one of them. I

move you that a motion to this effect be adopted by rising vote."

The convention rose in response and the resolutions thus presented by Mr. O'Mara were unanimously adopted.

On motion of Theodore Standt of Rockville, Conn., seconded by Mr. Gude, a rising and unanimous vote of thanks, gratification and appreciation was tendered to the New York Florists' Club and to Walter R. Pierson, for the inspiration of their new publicity movement. President Vincent appointed Patrick O'Mara, E. G. Hill and J. O. Thilow as a committee to formulate for publication later the final resolutions already adopted.

SECRETARY'S SUPPLEMENTARY REPORT.

Secretary Young presented a supplementary report on membership, to the effect that the annual members now numbered 298, with 38 life members.

The Smith Memorial.

W. F. GUDE'S SPEECH.

Mr. President and gentlemen, a committee of five was appointed to take up the matter of establishing a suitable memorial at the national capital for the father of our charter, the late William R. Smith. That committee was to report before this convention adjourned. In order that you may have in mind the character of the men composing that committee I will state that it consisted of J. K. M. L. Farquhar, Boston, Mass.; J. A. Valentine, Denver, Colo.; H. Papworth, New Orleans, La.; R. Vincent, Jr., and myself, with power to add to that committee from every state in the Union if we saw fit.

The committee feel that there is a great opportunity here for the people who knew Mr. Smith best to contribute commensurate to the magnitude of his work, and therefore rather than to erect only a small monument costing a few hundred dollars, that this memorial might well take the shape of something more useful, in addition to a stone to mark the place where he

spent sixty years in Washington, D. C., and the committee feel that we could get much better support from the members in the United States and Canada—we do not know whether there would be any other foreign contributions or not, but rather think there will, although the committee has not as yet decided whether to accept them or not if tendered—but we believe that we can get good substantial recognition from the membership of this society, whose charter is granted by the United States government and whose headquarters are therefore the national capital. I believe that the publicity we could get out of it would be worth more to the society itself than the money spent; in addition to which I feel confident that backed by the national organization with substantial contributions the work of the committee throughout the length and breadth of the United States would be made easier, and a monument befitting the Society of American Florists and Ornamental Horticulturists that would do justice to that noble and grand character would be forthcoming in a short while.

I should like an expression from the society. I believe that Mr. Farquhar wants to say something, and I believe that other members of that committee who may be present should say a few words so that it may go out to the associate members and those who are not present here today.

PRESIDENT-ELECT FARQUHAR'S TALK.

Mr. President, ladies and gentlemen: There are many of you who know the esteem in which the late W. R. Smith was held by members of congress and by cabinet officers and other high officials at the seat of government. The national charter obtained by this society was made possible only because of the regard in which Mr. Smith was held at that time. Under the provisions of our charter we should have a home in Washington. There is a possibility, if not a probability, of our getting



M. RICE & CO.'S EXHIBIT AT THE S. A. F. CONVENTION, CHICAGO, AUGUST 20-23, 1912.

that home in the near future. To that end it is necessary for this society to take some action, and there is no reason why the memorial to Mr. Smith should not take the form of a building that would be suitable for occupancy as the domicile of this society.

We believe that throughout the length and breadth of this land sub-

if that resolution can be modified so that the appropriation will first have the sanction of the executive board I think it would be better."

"I will amend my resolution to conform to Mr. Stewart's suggestion," said Mr. Farquhar, "with the recommendation that the executive committee be authorized to act favorably."

John Westcott, Philadelphia, Pa., 100
R. Vincent, Jr., White Marsh, Md., 100
P. J. Smith, New York, N. Y., 100
J. C. Vaughan, Chicago, Ill., 100
P. Welch, Boston, Mass., 100
W. A. Manda, South Orange, N. J., 100
Leo Niessen, Philadelphia, Pa., 100
A. L. Miller, Brooklyn, N. Y., 25
Florists' Exchange, New York, 25
Poehlmann Bros., Chicago, Ill., 50
A. N. Pierson, Inc., Cromwell,

Conn., 50

E. Wienhoeber, Chicago, Ill., 25

Martin C. Ebel, Madison, N. J., 25

W. F. Gude now announced that contributions of smaller amounts would be equally welcome.

Parcels Post.

Several communications were now read from W. Atlee Burpee, Philadelphia, Pa., rehearsing the work done by the American Seed Trade Association in championing proper parcels post legislation, and especially commending H. R. Bill 26006 introduced July 27, 1912, by Hon. William Sulzer, chairman of the committee on foreign affairs.

Mr. Burpee concluded as follows:

"The general parcels post for fourth-class matter at ten cents per pound for the first pound and five cents per pound for each additional pound should entail no loss to the post office department and would be a great boon to all the people. The only improvement that occurs to me would be to make the flat rate one cent for each two ounces up to two pounds, then each additional pound or fraction of a pound five cents per pound. This makes the eleven pound package cost only one cent more but gives an advantage to the people on small packages without any possible danger or loss to the post office department."

W. F. Gude, Washington, D. C., said: "A great part of that is now ancient history. The Bourne bill can never go through the house of representatives in its present shape. I have that from a dozen different congressmen. Since I left home the Lewis bill has passed the house and is now in conference. I do not think we need fear that the Bourne bill, or



THE RAEDLEIN BASKET CO.'S EXHIBIT AT THE S. A. F. CONVENTION.

scriptions would pour in quite sufficient to do this, and it is also likely that Mr. Smith's friends in Washington, who are still numerous in congress, would be glad to support suitable legislation in congress to provide from the national government any extra amount needed for this purpose. This project should have its inception with our society, in which Washington's Grand Old Man held a unique position. It seems to us befitting at this time that we should prove that we are in earnest in this matter and show that we appreciate Mr. Smith's life and work. I, therefore, Mr. President, offer the following resolution:

Resolved, That this Society of American Florists and Ornamental Horticulturists hereby authorizes its committee on a memorial to W. R. Smith in Washington, D. C., to pledge the society for a sum not exceeding one thousand dollars to be used as a nucleus in establishing such memorial.

Now, Mr. Chairman and gentlemen, this does not mean that we must immediately pay out of our treasury \$1,000; it merely puts your committee in a position to say that this society is ready to give \$1,000 toward a proper memorial. I trust that this will have your earnest consideration, at this opportune time, for a memorial to one who did so much for this society.

The motion to adopt the above resolution was seconded.

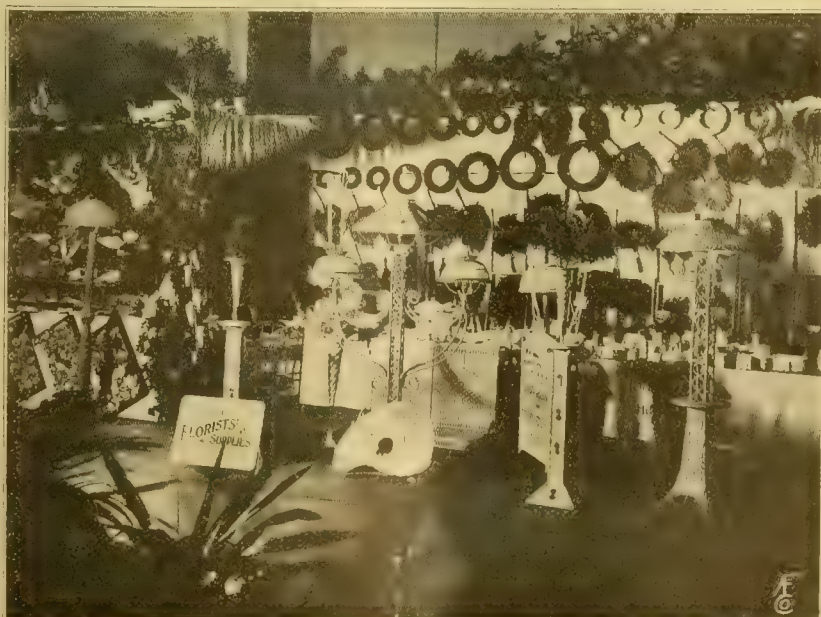
William J. Stewart, Boston, Mass., said: "I would like to remind the society that our by-laws provide that all appropriations by the association exceeding \$100 in amount must first have the sanction of the executive board;

The question was put, and the resolution was adopted, with the above addition.

CONTRIBUTIONS.

Voluntary contributions were thereupon successively announced by the following members in the order named:

Benj. Hammond, Fishkill, N. Y., \$100
H. Papworth, New Orleans, La., 25
Florists' Club, Washington, D. C., 200
W. F. Gude, Washington, D. C., 100



H. BAYERSDORFER CO.'S EXHIBIT AT THE S. A. F. CONVENTION.

a zone system increasing the rates on seeds, will ever pass the house, or that the Lewis bill will ever pass the senate. It might not do any harm to again put in a resolution endorsing the parcels post as for the best interests of the country, so as to let congress know that we are still on the job."

SULZER BILL ENDORSED.

Patrick O'Mara, Jersey City, N. J., said: "So far as I understand the situation in congress at the present time, with the explanation by Mr. Gude and others, I really believe that the only genuine parcels post measure now before congress is the Sulzer bill, which is almost identical with the Bennett bill that was introduced sometime ago. I would rather favor the adoption of a simple resolution endorsing the Sulzer bill, asking our representatives in congress to do all they can to effect its passage. I would therefore offer as a substitute for the resolution presented by Mr. Welch the following:

"Resolved, That the Society of American Florists hereby endorses the principles embodied in H. R. Bill 26000, introduced July 27, 1912, by the Honorable William Sulzer, and that we urge upon our representatives in congress to do all in their power to effect its passage, believing that if it becomes a law we will have a parcels post measure which will facilitate the transportation of merchandise throughout the country and will be of benefit to the entire people."

This substitute was seconded by Robert Craig of Philadelphia and unanimously adopted. Robert Pyle, West Grove, Pa., inquired whether this matter would have the attention of a standing committee of the society during the time intervening between now and the holding of the next annual convention to which President Vincent replied that the tariff and legislative committee had done good and faithful work in this regard, and would continue to do so.

No further business offering, on motion of Patrick O'Mara the convention now adjourned until the Third National Flower Show to be held at New York City, April 5 to 12, 1913.

Report of Committee on Final Resolutions

The committee on final resolutions desire to present the following for approval:

Whereas, the twenty-eighth Annual Convention now closing will, we believe, live in the annals of the society as one of the most successful and enjoyable in the history of the organization, and desiring to recognize the efforts made to achieve these results, we therefore submit the following:

Be it resolved, that the thanks of the society are hereby extended to the officers and members of the Chicago Florists' Club for their lavish hospitality, the splendid efforts made for our comfort and pleasure, and their untiring care of us while in their midst. We desire to couple with them in this recognition the men of the allied trades in Chicago who worked hand in hand with them.

Our special thanks are due to the board of park commissioners for the great interest manifested in the exhibition, and their splendid display of plants which was such a feature.

We also desire that the thanks of the society be extended to the various exhibitors and the advertisers in the souvenir album. Our thanks are also

due to the daily press of Chicago for the notices given of the convention and exhibition.

In closing, we wish to specially express our appreciation of, and tender our heartfelt thanks to, the ladies of Chicago and the Ladies Society of American Florists for all they did to entertain the visiting ladies. We recognize that the work done by them was a potent factor in the social success of the gathering.

PATRICK O'MARA.
E. G. HILL.
J. OTTO THILLOW.

Florists' Hall Association.

The annual meeting of the Florists' Hall Association of America was held at the Coliseum, Chicago, Thursday morning, August 22, 1912. President E. G. Hill presided and called the meeting to order promptly at 9 o'clock a. m. The attendance was larger than usual and much interest was manifested. After reading and approving the minutes of the previous meeting the following directors were elected for three years: J. A. Valentine, Denver, Colo.; H. S. Will, Minneapolis, Minn.; Fred Burki, Gibsonia, Pa.

The cost of hail insurance for the past five years was thoroughly discussed, and a resolution was adopted asking the directors to appoint a committee of three to formulate by-laws to be introduced at the next annual meeting with the design of changing the by-laws so that the rate charged would be commensurate with the cost of hail insurance during the past ten years.

N. J., secretary; Joseph Heacock, Wyncote, Pa., treasurer. President-elect E. G. Hill appointed Anders Rasmussen, New Albany, Ind., as director to take the place of Herman Ritter, who is not now a member of the association. The chair appointed J. A. Valentine, J. G. Esler and A. Rasmussen a committee on amendments to the by-laws, said committee to meet at the National Flower Show in New York April 5-12, 1913.

American Gladiolus Society.

CORRESPONDING SECRETARY'S REPORT.

A meeting of the executive committee of the American Gladiolus Society was held in New York city on December 6, with the following members present: Arthur Cowee, E. W. Fengar, A. T. Boddington, I. S. Hendrickson. The matter of a die and medals was discussed, and it was finally decided to purchase a die and offer ten sets of medals the first year to as many local horticultural societies. It was thought best to offer a silver medal for the first prize, and a bronze medal for the second prize, the ten sets of medals to cost \$70.00. The matter of the registration bureau was taken up, and it was decided to combine this committee with that of the nomenclature committee already established, with trial grounds at Ithaca, New York, where all tests can be made. The matter of certificates of merit was then taken up, and it was the sense of the meeting that these certificates should be awarded only by the nomenclature committee, and not by judges appointed for the annual exhibition. Prize winners for the best



F. R. PIERSON CO.'S EXHIBIT AT THE CONVENTION.

From Photo Supplied by the Exhibitor.

A committee was also authorized to formulate amendments to the by-laws concerning hazardous risks. The meeting thereupon adjourned.

A meeting of the directors was held immediately following the adjournment of the annual meeting of the association, and the following officers were elected for the ensuing year: E. G. Hill, Richmond, Ind. president; John T. Temple, Davenport, Ia., vice-president; John G. Esler, Saddle River,

articles on gladioli, written for amateurs, were: Mrs. Francis King, Alma, Mich., first; Mrs. May B. Crane, Hammondsport, N. Y., second. President Hendrickson appointed Mr. Cowee and Prof. Beal as members of the color chart committee. I regret to report the death of two of our members, Professor L. B. Judson, who was one of the little party of organizers at Boston, and W. H. Dunning, of New York City, who joined our ranks but recently.



THE RACES AT RAVINIA PARK, AUGUST 23, 1912.

THE NEW MEDALS.

The face or obverse side of our new medals represents a spike of gladiolus flowers with "American Gladiolus Society" engraved around the rim. The reverse side is a simple wreath of gladiolus blooms, with space for engraving. The design is unique and beautiful. The medal is made in sterling silver, colored silver gray, and is also made in bronze. It was designed and made by the Boston Badge Co., Boston, Mass. The medals will be given to the representative horticultural societies which will offer them, in their schedules, to be competed for by amateur exhibitors of gladiolus blooms at summer shows. The conditions require that the individual exhibits shall consist of fifteen named varieties, three spikes each; the same to be correctly labeled. The silver medal is for the first prize and the bronze medal for second prize. The following societies have been given sets of these medals for their summer exhibitions: Massachusetts Horticultural Society, Boston, Mass.; Newport (R. I.) Horticultural Society; Southampton (L. I.) Horticultural Society; St. Catharines (Ont.) Horticultural Society; Pasadena (Cal.) Horticultural Society; Melrose (Mass.) Horticultural and Improvement Society; Worcester County Horticultural Society, Worcester, Mass.; and Elberon Horticultural Society, Asbury Park, New Jersey.

I have received two letters from the secretary of the National Gladiolus Society and the two numbers of their National Hand Book and have sent them copies of all of our bulletins. The secretary, Mrs. Atkinson, writes that it is the earnest desire of the National Society to exchange views and co-operate with our society in straightening out questions of nomenclature.

NEW MEMBERS.

The correspondence has been very large for the past year, and includes many letters soliciting new members which have brought quite satisfactory

returns and I have fourteen to my credit. Ten more sent in by other members have been sent to me, besides some more that were sent to Financial Secretary Youell direct.

I believe it would be a good idea to offer a prize to the one securing the largest number of new members for the coming year, and I will promise not to enter the contest because I think the secretary would have a little advantage in a contest of this kind. Regarding the bulletin, as chairman of the bulletin committee I would say that there are members of our society that could give us a great deal of help in making it more readable and interesting, if they would only feel so inclined. We need items of interest and material for our question box, and any grower, whether a beginner or a man of experience, can often give us valuable suggestions. Thanking those who have given us a helping hand and earnestly asking, like *Oliver Twist*, for more, I submit this report for your consideration.

L. MURTON GAGE.

Illinois State Florists' Association.

The Illinois State Florists' Association held a meeting at 10:30 a. m., Thursday, August 22, 1912, in the Coliseum, Chicago, President Chas. Loveridge in the chair. Secretary J. F. Ammann reported a number of new members enrolled during the convention at Chicago, and also booth rentals paid in, which was approved of. On motion it was ordered that the chair appoint a committee to draft a resolution condemning the employment of Pontiac Reformatory inmates to print matter sent out by the Horticultural Department of the University of Illinois, and recommending that such printing be hereafter done in some regular commercial establishment. Following the meeting of the association a meeting of the executive board was held, and invitations for the next place of annual meeting from Danville, Peoria and Moline were considered. — Smith of Danville

withdrew in favor of Peoria this year, and thereupon Peoria was unanimously selected as the place of meeting for 1913.

Some Exhibition Novelties.

The Robert Craig Co. staged several meritorious plants, chief among which was a new *Ficus*. It will make a grand specimen for exhibitors and if it propagates freely should find favor with the buying public. The leaves are broad and richly veined, giving it a distinguished appearance. Crotons for which this house is famous were a strong feature. Three seedlings which had never been exhibited before would command attention in any collection. One christened *America* has very brilliant foliage. The habit of the plant is good and the growth strong and vigorous, making it a decided acquisition. Real autumn-leaved coloring is seen in another new one named in honor of Mrs. August Poehlmann. This is charming in every way, a really beautiful variety. *Canada* is another symmetrical growth and regular marking of yellow and light green. It will become a standard in the lists.

Manda's *Polypodium Maudianum*, while seen before, is still a novelty and was never seen to better advantage. The large plants with their long, graceful fronds and the vase of cut fronds arranged with cut *Anthuriums* showing its possibilities was one of the features of the exhibition.

F. R. Pierson's moss fern should be useful in a commercial way. Its dense moss green fronds will look well in table decorations. Sawyer's *astermum* was one of the things that stood out, attracting great attention. Its name about describes its size, as the flowers are as large as many of the *chrysanthemums*. It is like the well known comet in form, but fuller in the center and much larger. Mr. Sawyer says it is the result of careful selection, of a new break in the aster family. He has been very careful to save seed from only the best flowers and has

produced a commercial flower that will have great sale. It was seen in all colors.

1) Poehlmann's.

One of the features of the convention was the visit to Poehlmann Bros.' enormous range of glass at Morton Grove. More than 500 persons accepted the invitation of the firm and made the trip in a special train of twelve cars. Plant A, the first and original section of greenhouses right at the station was soon filled with the admiring visitors, who although they expected to see something wonderful were every one surprised at the extent and the marvelous system everywhere apparent. The general excellence of every kind of plant, the house after house of American Beauty roses, the range upon range of carnations, the chrysanthemums, the early varieties of which were in flower all were much admired, as the masses of color made a great showing.

House after house of orchids showed the extent to which they were going into these costly flowers. \$30,000 has been put into these flowers the last three years. Cattleyas and Dendrobium Formosum are the varieties mostly grown. They expect to cut at least 25,000 to 30,000 cattleyas the coming season. After seeing plant "C," which adjoins plant A, the great extent of which only added to the amazement of the visitors, a start was made for plant B, where the tea roses are grown.

Here, as at the other divisions, the most perfect order was maintained and the general excellence was commented upon, the prevailing sentiment seeming to be wonder at the fact that it is possible to have such perfection all over a place of so great extent. Mr. Nelson, the superintendent of half of plant B, described some of the details of growing, how the temperature was not allowed below 66° during the day, steam and air being on all summer long. The soil in the rosebeds, all on benches, is half manure, all sterilized or steamed before being used; then when the new plants show that the roots have taken hold manure water is given freely. This is drained through the benches and is caught in a small pond outside the houses and used again. An immense stock of young plants are grown, all grafted, and when from any reason a bench or house fails it is taken out and replaced with young stock. There is absolutely no waste or vacant space anywhere except when a change of stock is taking place. In this plant there was growing 235,000 roses, many

now flowering, and others just coming out of the drying-off stage, and others that will soon be in. As to the extent of the combined three sections, one of the partners said it would make one house 35,000 feet long and 27 feet wide, or one house nearly six miles long if 27 feet in width, or 945,000 feet of ground space covered. A question that was uppermost in the minds of very many of the visitors was: How was it possible to have built such a place in such a comparatively short time?

A fine lunch was enjoyed in the large pavilion adjoining plant B after the inspection of this range. A new plant department has just been added, in which will be grown on a large scale all kinds of house plants, such as are handled by the retail store trade. This is in charge of E. G. Anderson who says that, like everything else, plants will be handled in large quantities.



E. F. Winterson.

Chairman of Chicago S. A. F. Sports Committee.

One can describe in a short article only the main features, the immense heating plants, the manure cooking and pumping system, the soil mixing, the watering, the ventilating, the cement benches, the railway and cars that carry the soil in and out, the plant staking, the cement walks and benches, the refrigerating plant and cold storage rooms, the packing, and the hundred and one other helpful things that make this the ideal establishment of its kind

in this country, or perhaps in the world. All these must be seen to be appreciated.

Robert Craig said, "It would fill a book to tell it all, and then another. Peter Henderson had great ideas, but he never dreamed of a place like this."

P. O'Mara said, "This shows exceptional ability. Grant and Lee were the only generals who could handle 100,000 men. Here we have another kind of a general who has proved his ability."

"It bewilders me. The Poehlmanns are surely scratchmen in the race," again remarked Mr. Craig.

"It is wonderful to find everything in such good condition," said A. Manda.

"A great place," observed P. Welch.

"No place like it in the world for system and production," was Mr. Farquhar's tribute.

"Marvelous where all the stock goes to? Oh, no," said Samuel Murray of Kansas City. "They can sell more than they grow. I sometimes cannot get my full orders."

"New York is first in flower production, Pennsylvania next, and then Illinois, but the next census, after what I have seen today, will surely show a change," was another way in which P. Welch paid tribute to the Poehlmann and other Illinois ranges.

Elmer Smith said, "It is the best regulated range I have ever seen. The growth has been wonderful, coming right along, not stopping for a minute; it shows great management."

"It is hard to understand how such a large place can be in the pink of condition all the time," observed Judge Vesey.

"It is simply out of sight," said P. Breitmeyer. "They used 600 carloads of manure last year. The secret of the growing is in the cooked manure and sterilized soil. We could never grow roses until we discovered this trick from them here."

"We want more scientific men like the Poehlmanns in the business. They are always ready to fill up space that is not doing its best from their great surplus of young stock. It makes your head swim, the very magnitude of it," declared Stephen Mortensen.

At the station, when all were gathered together, P. O'Mara mounted a bench and in a few words introduced J. K. M. L. Farquhar, who said:

"Ladies and gentlemen: I am sure you will all agree with me that we have had a most delightful visit to a greenhouse plant that is better equipped than any other in this world.



SOME OF THE VISITORS AT THE POEHLMANN BROS. RANGE.

I recently saw the famous Rochford place near London, and I tell you candidly that this exceeds it. We have been welcomed most hospitably, and I am sure what we have seen will be an inspiration that we can carry away and that will leave a lifelong impression."

S. D. Dysinger invited them most heartily to the twin cities next year, where he assured them a grand good time.

The race of the officials of the S. A. F. at Ravinia Park was made doubly exciting by Chas. Graham and C. E. Critchell, who were holding the tape at the finish. As August Poehlmann, Geo. Asmus and W. F. Kasting, with Poehlmann leading, approached the tape the holders started to race with it and drew the already tired runners on for quite a distance, much to the amusement of the spectators.

President Thilow of the Philadelphia Florists' Club said that every

and Graham's brilliant running in left got him to the ball just in the nick of time and saved the game for his side.

The exhibits of the greenhouse builders were the most complete of any convention and could not fail to be educational to the many growers who were at all times looking over the merits of the various new ideas in building, heating and ventilating.

The lunch furnished by the club in the basement dining rooms of the Coliseum was one of the most enjoyable features of the entertainment. H. E. Klunder made a very efficient captain, ushering the ladies to seats at the tables in a most gallant manner.

The bowling matches were a howling success. There were splendid alleys, good management, good humor, good bowling and a good deal that wasn't and finally the best team won for Cleveland.

The large baskets of gladioli in the Cushman exhibit contained beautiful spikes of bloom, and their arrangement would have done credit to many of the retail shops.

Chairman Rudd is to be congratulated on his idea of the book of tickets. It was very convenient and will no doubt be adopted at all future conventions.

Theodore Shober and James Heacock, who handled the Heacock Co.'s palms, sold their exhibit the first day and took many orders.

President Foley of the Chicago Florists' Club was missed by many friends, his absence being due to death in the family.

The Philadelphia delegation wanted to come to the convention the "worst way" and arrived on the B. & O. four hours late.

M. Rice & Co. report business better than at any previous convention. The entire exhibit sold in Chicago.

John Ruppert of the Dreer display said they were much pleased with the results and made many sales.

The Bayersdorfer sales force had a busy time. All four could be seen taking orders at once.

Chas. D. Ball and his son, Chas. D., Jr., appeared pleased, having booked many orders.



VIEW OF THE LUNCHEON TABLES AT THE POEHLMANN RANGE.

August Poehlmann was persuaded to speak and amid great cheering he thanked the delegates for the great pleasure it had been to have them see the establishment. He hoped they had been repaid and found something they could carry away with them. Referring to the society he deprecated any political action. He wanted to see a united society in which all were working for the good of all, the differences, if any, should be worked out by a few in committee and not by all on the floor of the convention. "Don't knock the officers in charge. They are doing their best, and all should help them," he said. He hoped all such troubles would be avoided in the future, which sentiment met with hearty applause.

Convention Notes.

J. W. C. Deake, formerly of Asheville, N. C., blew into the convention city August 8 from Twin Falls, Idaho, where he now resides. He says Twin Falls is in the center of the original Garden of Eden. The Biblical tradition of the water being cut off by the fiery sword applies to this spot. Adam and Eve probably went to Oregon, where their descendants became web-footed. Mountain Dew, which was so freely produced at Asheville, does not grow, he says, in Idaho. There are many dams there—both dams and dam sites. A dam either makes or breaks a country.

At the ladies' reception Wednesday evening Mrs. A. M. Herr on behalf of the society presented Mrs. J. W. Boone, retiring president, with a beautiful pearl and diamond brooch. Mrs. Chas. E. Maynard, secretary, thanked the ladies for Mrs. Boone, who was suffering from severe throat trouble. Mrs. Maynard says the entertainment tickets proved a complete success.

delegate should wear a flower. "Here is a convention of florists gotten together to boost the business," said Mr. Thilow, "and not one in ten wearing a flower. We cannot ask other people to do what we are not willing to do ourselves." Every one within his hearing immediately reached for roses and table decorations disappeared at once.

The baseball game was certainly a dandy. Chicago was good but the pick of the rest of the country was just a shade better. That catch of Pierson's in deep right was a peach



POEHLMANN BROS. ENTERTAINING THEIR GUESTS AT LUNCHEON.

The Bowling Tournament.

The bowling tournament was played in the Bensinger alleys, 29 West Randolph street. It began at 10 a. m. with the ladies, some of whom proved themselves quite as proficient as the sterner sex. Mrs. Chas. McKellar of Chicago, who scored 186 and 139, secured the first prize for the highest total in two games and the high single game. She also carried off the strike prize with a total of 8, Mrs. Frank Traendly of New York won the spare prize. There were ten other prizes. Mrs. A. Smith of Cleveland won the tenth prize from Mrs. Fetters of Detroit by one pin with a score of 192 for two games.

The men's individual contest was a very strenuous affair, there being fifty entered who finished. Some others found the pace so hot they dropped out. Ed. Schultz and C. Balluff of Chicago showed they knew something of the game with their totals of 538 and 524, respectively, in three games. Wallace R. Pierson of Cromwell, Conn., famous as a grower, showed that he can also play. His score was 507. F. H. Miller of Toronto was high with 215 for the best single game. De Forest Weeks got into the prize division of the ten highest with a score of 480. The five highest in the individual contest were entitled to roll for the Brunswick-Balk-Collender Co.'s diamond medal in competition with the highest score men of the teams, and Charles Balluff, second high individual, showed his skill here also by winning the high honor with a score of 571, which was only one pin behind the grand total of Foerster of Chicago in the team race, he making 572 in the three games.

The struggle of the teams was a very exciting affair. There were nine entries. Cleveland, Chicago and Buffalo had a hot fight the first game, Cleveland winning out with 922, which proved to be high single game in the tournament. Buffalo nosed out Chicago by one pin with 809. Cleveland was also high in the second game with 899, Chicago getting 870. There was the usual great enthusiasm and cheering as one team after another would spurt ahead and raise the spirits of the rooters, whose energy and lung power never seemed to flag. All the contests were very well managed and much credit is due to Charles Graham, chairman of the sports committee, for the manner in which the programme was carried out. The scores were as follows:

LADIES' INDIVIDUALS.

Player	1st	2d	Total
Mrs. C. W. McKellar, Chicago...	186	139	325
Mrs. Frank Traendly, New York...	120	145	265
Mrs. S. H. A. Klein, Baltimore...	136	116	253
Mrs. H. J. Quick, Baltimore, Md...	101	120	221
Mrs. Geo. Asmus, Chicago...	117	99	216
Mrs. J. W. Boone, Baltimore...	88	119	207
Mrs. A. L. Vaughan, Chicago...	84	114	198
Mrs. Chas. Beyer, St. Louis...	79	117	196
Mrs. E. F. Winterson, Chicago...	114	180	294
Mrs. A. Smith, Cleveland...	105	87	192
Mrs. E. A. Fetters, Detroit...	90	101	191
Mrs. G. W. French, Morton Grove...	102	180	282
Mrs. J. A. Manda, West Orange, N. J.	77	99	176
Mrs. A. M. Herr, Lancaster, Pa...	90	78	168
Mrs. C. E. Critchell, Cincinnati...	90	76	166
Mrs. W. N. Rudd, Chicago...	60	85	145
Mrs. H. A. Bunyard, New York...	45	99	144
Mrs. J. Enders, Chicago...	77	66	143
Mrs. F. S. Ayers, Chicago...	82	56	138
Mrs. D. S. Siegel, Louisville, Ky...	61	74	135
Miss Able, Louisville, Ky...	72	61	133
Mrs. W. Weeks, Ashtabula, O...	72	61	133
Mrs. A. Rasmussen, New Albany...	65	67	132
Mrs. A. Poehlmann, Chicago...	40	76	116
Mrs. Andy Myers, St. Louis...	59	58	117
Mrs. Adolph Poehlmann, Chicago...	56	59	115
Mrs. M. E. Miller, Louisville, Ky...	69	60	129
Perle B. Fulmer, Des Moines, Ia...	54	52	106
Mrs. P. M. Palcz, Little Rock...	51	55	106
Mrs. C. B. Thompson, Louisville...	49	56	105

Miss Phyllis Rudd, Blue Island...	48	55	103
Mrs. Henry Schmitz, Lafayette, Ind.	46	55	101
Mrs. W. W. Coles, Kokomo, Ind.	57	36	93
Mrs. Quarles, Louisville...	59	21	80
Mrs. W. J. Johnson, Baltimore...	43	28	71
Miss F. Virgin, New Orleans...	18	22	40

MEN'S INDIVIDUALS.

Ed. Schultz	166	196	176	538
C. Balluff	171	162	191	524
W. R. Pierson	182	177	148	507
V. Bergman	180	156	170	506
P. A. Olsem	159	174	166	499
F. S. Ayers	169	203	124	496
John Zeck	161	187	145	493
Al. Fischer	179	151	158	488
C. W. McKellar	173	155	159	487
DeForest Weeks	152	158	170	480
Walter Cook	196	126	155	477
David J. Scott	163	186	128	473
E. F. Winterson	138	137	188	463
F. H. Miller	215	149	97	461
C. N. Ruddinger	153	152	149	454
L. H. Vaughan	202	127	120	449
Orto Goerisch	146	164	136	446
Albie Zech	118	170	148	445
F. H. Traendly	156	150	136	442
J. S. Wilson	129	156	148	433
F. J. Kraus, Jr.	144	152	134	430
H. S. Will	152	138	129	419
W. J. Vesey	109	153	157	419
A. Henderson	145	131	136	412
Andrew Wilson	127	144	137	408
J. P. Degnan	128	138	137	403
W. F. Kasting	121	116	165	402
Lewis Henderson	127	112	154	393
W. H. Moses	126	165	102	393
A. Kakuda	89	150	150	389
T. Einweck	120	123	143	386
S. A. Geiger	134	121	129	384
W. A. McAlpine	126	153	101	380
A. Rasmussen	125	135	118	378
Henry Goetz	134	107	131	372
A. H. Lanzer	116	127	122	365
August Poehlmann	124	130	102	356
F. W. Walter	131	142	81	354
Walter Scott	92	118	142	352
W. A. Hagenburger	107	118	125	352
O. V. Zangen	145	108	94	347
C. W. Kohlert	106	118	115	339
H. A. Hart	104	128	107	339
J. Turner	101	122	115	338
Frank Dart	124	122	92	338
Philip Dart	98	107	123	328
D. L. Ely	77	120	128	325
S. D. Dysinger	92	96	127	315
E. A. Peirce	101	119	90	310
Adolph Poehlmann	76	91	119	286
R. S. Miller	78	90	79	241

Chicago.				
Huebner	193	147	128	468
Farley	152	158	118	428
Asmus	126	152	136	414
Wolf	154	169	151	474
Foerster	183	244	145	572
Totals	808	870	678	2356

New York.				
Manda	110	183	133	426
Irwin	159	137	167	463
Burns	166	170	171	507
Smith	118	118	148	384
Donaldson	168	178	206	552
Totals	730	786	825	2341

Milwaukee.				
Holton	195	205	169	569
Pohl	105	142	156	403
Mathewson	120	182	142	444
Zweifel	146	145	122	413
Rusch	129	189	154	472
Totals	695	863	743	2301

Detroit.				
Bloy	153	179	139	471
Fetters	157	139	180	476
Rahaley	146	158	137	441
Brouncl	116	174	92	382
Sullivan	187	146	171	504
Totals	759	796	719	2274

Cincinnati.				
Heckman	136	119	165	420
Horning	127	170	167	464
Schumann	157	159	151	467
Murphy	177	160	153	490
Critchell	140	116	161	417
Totals	737	724	797	2258

Baltimore.				
Boone	163	153	158	474
Johnston	114	87	101	302
Quick	114	143	127	384
Bulck	114	143	127	384
Seybold	189	164	192	545
Totals	716	686	704	2106

Philadelphia.				
Westcott	83	144	107	334
Kift	112	137	153	402
Shober	110	109	83	302
Connor	140	134	162	436
Robertson	128	159	182	469
Totals	582	679	687	1943



THE LUNCHEON AT RAVINIA PARK, AUGUST 28.

MEN'S TEAMS.

Cleveland.				
Hart	205	190	155	550
Friedley	136	166	120	422
Knoble	183	156	175	514
Adgate	193	211	152	556
Graham	205	170	164	545
Totals	922	890	768	2580

Buffalo.				
Mansfield	163	197	173	533
Snodifford	150	180	181	517
Anderson	153	120	162	375
Strodt	160	152	148	460
McClure	177	122	226	525
Totals	809	771	830	2410

The Baseball Game.

The baseball game played at Ravinia Park between the Chicago Florists' Club nine and the S. A. F. All Stars was a close and exciting contest, the latter winning in the last inning 11 to 10. The score:

All Stars—R. H. E. C. F. Club—R. H. E.									
E. Ludwig, ss.	2	2	1	Brunko, 3b.	1	2	1		
D. Ludwig, lf.	2	1	1	W. Amling, ss.	1	2	1		
Adgate, 1b.	1	2	0	P. Matheon, 1b.	1	3	0		
D. Scott, c.	2	3	0	P. Miller, 2b.	2	4	3		
Graham, p.	1	2	0	P. Amling, c.	3	4	1		
W. Pierson, rf.	1	1	1	A. Miller, p.	0	2	0		
Currie, 3b.	0	0	1	Ollinger, rf.	0	3	1		
Jones, 2b.	1	1	0	Winterson, lf.	2	4	1		
Farndwal, cf.	1	2	0	J. Einweck, cf.	0	0	0		
				T. Einweck, rf.	0	0	0		
	11	14	4					10	20
Score by Innings:	1	2	3	4	5	6	7	8	9
All Stars	2	0	1	0	5	1	0	0	2
Chl. Flo. Club	1	0	0	3	2	2	1	0	1

Races and Field Sports.

The ladies' and girls' races were interesting and also strenuous, every ounce of energy being put forth to win. In the first, that for misses of ten years and under, there were eight contestants, the distance being 40 yards. The results were as follows:

Girls' race, 10 years and under, 40 yards—Florence Nieman, first, \$2; Bernice Buckley, second, \$1.

Advertising: Some Wrongs to Make Right

Paper read by L. W. C. Tuthill at the Wednesday morning session of the convention of the Society of American Florists, Coliseum, Chicago, August 20-23.

Advertising—what is it?

Some say it is a hybrid tea rose.

Others, that it is a sport of Killarney.

But I say it is the American Beauty.

It is the strong rooted, long stem-

out just what advertising really is. In short, it's the quickest and surest possible way of letting it be known to the greatest number that you are in business—where you are in business—what your business is. It's the shortest short-cut method between the seller and the buyer. It's the modern power that accomplishes in two years what it used to take ten to do. But it's more than a builder—it's also a destroyer; a quick, unrelenting destroyer. Therefore it needs to be handled carefully—knowingly. It quickly builds up a business that is backed up by good goods and the square deal. It still quicker wipes off the map, destroys concerns that either misrepresent their stock, or that fail to meet their customers just a little more than half way.

"Oh well," you say, "of course I do in a way believe in advertising because when I have a few thousand extra cuttings more than I can use or am overstocked on some plants, I just send an ad. to the florist papers and unload. But as for my advertising at any other time, it's ridiculous, as I send all my stock to the commission man. What's the use of advertising to them? He knows me—knows my goods."

Listen: As old as the florist business is—it's really among the youngest there is. It's just beginning to really begin. The real beginning began about ten years ago when Doubleday, Page & Co. started their Country Life and Garden Magazines. These magazines brought a message of flowers and country beauty to thousands and thousands of people who simply needed to be thus stirred into action. Soon followed other magazines like Suburban Life, House and Garden and ones of a similar nature, and then still other mediums, and even the daily papers caught the flower fever until now the love of flowers stimulated by all these publications is fast becoming a noticeable national trait. Every time one of these country life magazines gets a convert to the joys of flowers you growers have one more possible buyer of your products.

But this national awakening to the appreciation of flowers also brings with it every year a greater discrimination in the buyers. The so-called "bread and butter" carnations are fast



THE S. A. F. ALL-STAR BASEBALL TEAM.

Girls' race, 15 years and under, sixty yards—Winner, Beatrice Asmus, first, cut glass plaza bowl; Florence Vaughan, second, cut glass candy dish.

Single ladies' race, 50 yards—Esther Hartigan, first, \$3; Mary Hancock, second, \$2.

Married ladies' race, 50 yards—Mrs. G. Smith, first, belt buckle; Mrs. B. Bergman, second, belt buckle.

Broad jump—W. W. Warring, first, box of cigars; John Poehlmann, second.

High jump—David Scott, first, \$3.

Sack race—John Poehlmann, first, \$3.

Men's race, 125 pounds and over, 200 yards—E. E. Ludwig, first, \$3; L. Koropp, second, \$2; John Poehlman, third, \$1.

Fat men's race, 100 yards—L. Critchell, first, watch fob; Jos. Manda, second, reel garden hose; T. Shober, third, \$5.00.

Three-legged race—Curry and Pollworth, first, \$3; Perkins and Gromley, second, \$2.

Hot steeple dash for officers of S. A. F.—Aug. Poehlman, first; G. Asmus, second; Frank Traendly also ran.

The results of the shooting at the convention is as follows:

Reid, first, 34; Dudley, second, 29; Shaw, third, 27; Klehm, fourth, 20; Wiator, fifth, 13; Reinberg, sixth, 6.

President Given Silver Set.

After dinner had been served August Poehlmann and several others called the people together and then President-elect J. K. M. L. Farquhar addressed the gathering and at the finish of his speech presented President Vincent with a beautiful silver set, a token of appreciation from Mr. Vincent's many friends for his untiring work for the national society the past year. President Vincent responded and after thanking his friends for the magnificent gift spoke feelingly of the Society of American Florists and the many benefits its members derived therefrom. August Poehlmann, Robt. Craig and E. G. Hill also spoke.

med, vigorous plant that yields the deep red blooms of big business successes.

Right away many of you growers begin shaking your heads, saying, "Advertising is all right for the other fellow, but my business is different. In the first place, there isn't profit enough in the flower business to stand for advertising. [Every grower knows that isn't so the minute he has said it.] Second—I have tried it two or three times, and it was just like throwing so much money down a knot hole. Third—My business has always paid without advertising, so what's the use of blowing in my money just because those blasted magazines and papers hound the life out of me; or Hot Air Tuthill gets up there on the platform and claims advertising is the American Beauty of business—the lifesaver of profits, and all that rot."

In answer to all of which, let's back up and begin all over again, and find



THE CHICAGO FLORISTS' CLUB'S BASEBALL TEAM.

becoming more difficult to sell, simply because the public is rapidly getting to know flowers, and insisting on better and better quality.

Now suppose I could go into one of the Chicago florist shops and ask for not only "just roses," but roses grown by one Frank Jones—and those Jones roses bore some identifying means so that I knew I was getting Jones roses. Now don't you think it would pay both the grower and the florist to get together somehow and spend a little joint money in letting the public know that Jones' Superior roses always carried an identifying trade mark? Most assuredly it would! There is just as much opportunity to trade mark Jones Superior Roses as there is Butter-Krust bread or Borden's milk. And it's going to be done.

One of your largest eastern growers, whose stock is always of the finest, has for considerable time been suffering from substitution—stock be-

pointed west. He went to the party—but it still rained. You can tie up your pocketbook and refuse to advertise, but that won't stop the storm of competitors who will be getting your business away.

So much for the future. Now, let's get right down to the brass tacks of the present day situation. First, let's find a little good-natured fault with the trade papers. What would you think of a firm that put the index of their catalogue in some obscure part so you needed an index to find the index? You would say they certainly didn't have an eye to business and that an index ought to be the easiest thing to find and placed where you couldn't miss it. By the same token, what a lot it would help every advertiser in making it easy for buyers to locate his ad. if the index to trade papers were placed every time right in the front row, on the first inside page facing the cover. As it is now, the

chops and stops wastes time, timber and money. He had better not begun. Make up your mind you are going to spend so much money this year—and then spend it. Send out your message each week. Keep continually chopping away. But every week chop from a different side. In other words, change your ads. Remember that advertising is intended to arouse interest—to hold interest—and to turn that interest into an order.

Last week's paper doesn't interest you this week—so how can you expect last week's ad. to hold anybody's interest this week? In preparing your ad. make up your mind whether it is going to be a sign, or a real, full-blooded ad. Don't try to mix them. A sign is to attract people who are looking for you—a sort of guide post. An ad. is to attract and convince the people you are looking for that your goods are the goods worth looking for. Very few are looking for you.

It's up to you to look for them. Having found them, it's all your fault if you don't make them remember you and your goods—not only remember, but remember to send you their orders. People are not going to bother to keep remembering you, especially when your competitor is continually remembering them by weekly telling talks in the trade papers. The indecisive, haphazard way some men start out to advertise reminds me of my neighbor who is very handy carving wood. He started out one day last week to carve out a Duke of Wellington. The Duke was a tall man and he cut the wood too short, so he concluded to make it into a Napoleon, whom you know wasn't tall. He then cut it too narrow for the broad shoulders of Napoleon, so concluded to make it into Isaac Watts, who was very thin. Then he carelessly split it, and finally whittled it into a button for the barn door.

The moral is: If you expect to get Wellington victories, cut your expenditure big enough to land somewhere besides on a barn door.

Now for the text of your ads. What shall you say in them? What do you say to your customers to get them to buy when you see them personally? Your talk sells the goods, doesn't it? Then why not use the same line of talk in your ads? Ads., after all, are only selling talks on paper. Just forget forever and ever, that an ad., to catch and win, must be clever or funny, or have some peculiar twist or turn to it. Simply be frank and tell your straight, concise business story.



THE RACES AT RAVINIA PARK, AUGUST 23, 1912.

ing sold for his that is not his. You know! He and the ad. agency I am associated with are now working on a plan to overcome this trouble. It's been a hard nut to crack. It looks as if certain kinds of advertising and trade marking were the only thing that can make this wrong right.

While the demand for flowers and plants is still at its height, and production has not yet caught up with demand, the advertising question won't receive from you the serious attention it even now deserves. But mark my word, that just as sure as anything that's sure is sure, the stimulating influence given by the magazines, is, sooner or later, going to lose its force and some direct advertising by the growers, as well as the florists, must then be done to further stimulate the business.

Just how to set the wheels of advertising working to further this result, is going to be the cause of many a headache. Some of you who have your ears to the ground have long been turning this over in your mind and when the time comes you will be ready with the answer. One of the greatest wrongs, then, to make right, is the overcoming of the impression that the flower market can escape advertising.

The way some business men refuse to get aboard the advertising train reminds me of a cousin of mine who was determined to go to an evening party. All day it rained hard. His father said that if it rained he couldn't go, but if the wind would veer around to the west, it would surely clear off. So my cousin watched his opportunity and climbed up on the barn and tied the weather vane fast so it

publisher knows where it is, but it takes a regular Sherlock Holmes for one less familiar to find it.

Now a word about starting and staying. A very serious and costly wrong that advertisers ought to make right is starting in to advertise and then dropping out before the ads. have had half an opportunity to get their good, telling work in. Some men seem to think that advertising is a sort of a wizard game that should yield extraordinary results in an extraordinary short time—a kind of waving of the wand that will back a wagon up to their doors filled with orders. It's far from it, because it is a straight business procedure and not a fairy tale. No single ax-stroke can clear a forest. The woodman who



THE RACES AT RAVINIA PARK, AUGUST 23, 1912.

Illustrate it. Don't crowd your space jam full of text. Leave some white space about it for it to breathe in. If then, you have the good goods your ad. says you have, your ad. will not only catch readers—but hold them, and influence them to write you.

Don't use up any part of your space telling how poor the other fellow's goods are. You have none too much room to tell about yours the way they ought to be told about. Besides, ten chances to one, you stir up a curiosity in your readers to find out more about those other goods. Incidentally, they then find out from the other fellow some of the weak spots in yours, and promptly you have a man's size job on your hands to land the order.

One boiler firm, for instance, which has only steel tubular boilers for sale, is making sweeping statements about the absolute worthlessness of cast iron boilers. On the other hand, as a contrast, one of the firms making cast iron boilers, comes out frankly and says that "each type of boiler has its particular uses and limitations, and that each is particularly adapted for its particular purposes." Then the advantages and disadvantages of both are freely exploited. There can be absolutely no doubt in your mind which firm you would appeal to if you wanted frank, dependable advice. It's always well to keep in mind that the important things in an ad. are the buyers' reasons for buying—not the sellers' reasons for selling. Keep sharp watch on the other fellows' ads.—not so much for pointers for what to say and do, as what not to do.

If you are too much influenced by what they do, you will follow them. If you do it the other way about, you will lead them. And who wouldn't rather be a leader! As for illustrations—by all means use them where possible. But for heaven's sake use illustrations that illustrate what you want to sell. Don't use the smirking picture of a girl showing her pearly teeth if you have carnation supports to sell. Show the supports. Better yet, show them in use. Leave the pearly teeth girls for dentists' ads.

"How much space should I use?" This is a question advertisers are continually tussling with. Lincoln said "a man's legs should be just long enough to reach the ground." By the same token, you should use enough space to show your article and tell your story as it should be told. Any more space is extravagant—any less is costly. Costly, because it's sending a boy to do a man's work. Generally the boy goes off swimming or to the ball game. Unfortunately, there exists a certain fear in some advertisers' minds that if they don't use some space in all the papers in the field, the omitted ones will in various ways conspire against them to the serious detriment of their business. In short—a mild form of blackmail, if you please.

On the other hand, there are other advertisers that feel that because they place a large amount of business with certain papers, they can dictate the policy of the paper, even to the absurdity of either excluding or giving undesirable locations to competitors' ads. Both points of view are not only highly absurd, but indicate a mighty poor business vision. Unquestionably, too small space is being used in too many mediums. Cut down the mediums half, and increase the space proportionately. In this way you cut out repeated duplication of circulation and

give yourself a chance to both show and talk about your products as they should be shown and talked about.

In choosing your medium, let us always bear in mind that the ones having the largest circulations do not necessarily represent the largest buying numbers for your particular product. Large circulation often means hundreds and thousands of readers who are absolutely worthless to you. One of the trade papers, for example, has ten thousand subscribers—another only four thousand. One of our customers has proven, beyond a doubt, that for reaching a certain limited class with whom their business is large, that the four thousand paper yields greater returns than the ten thousand one.



The C. A. Kuehn Store, St. Louis, Mo.

Exterior View of Building.

On the other hand, this same concern is paying for a thirty thousand circulation in one magazine to reach a certain few—a very few, not more than five hundred, in fact—and it's a remarkably cheap buy for them at that. Cheap, because it's the only medium that reaches their logical customers the way they want them reached. The greatest help to an advertiser that established advertising agencies of reputation have to offer to their customers, is not the mere writing of the ads., but the directing of the advertiser's money in channels that shall be the most productive, regardless of personal friendships or "influences," channels concerning which these agencies possess facts, figures, and experiences to prove the soundness of the treatment and expenditures advised. This, then, is the bringing of advertising to the basis

of a science, a profession that bids fair to make dollars by both the intelligently saving and spending of advertising moneys.

The way advertising used to be placed reminds me of the story of a couple of darky janitors who were sweeping the snow off neighboring steps. Suddenly Tom's feet slipped out from under him and he slid down the steps on the end of his back.

Rubbing his head thoughtfully, he slowly remarked to Sam: "Say, Sam, the Bible says 'the wicked they stands in slippery places; I don't see how the debbil they does it!'"

THE ROSE.

The Heating System.

Now is the time to take a careful survey of the piping and boilers. There is usually more or less repairing to be done or improvements to be made in and around the boiler room and adding an extra coil here and there. This is essential, for there is nothing that keeps the profits down like an inefficient heating plant. It is a great mistake to run any boiler at its fullest capacity, and in ordering a boiler at least 25 per cent over the amount of work the boiler should do should be allowed for. This refers to a small plant, where perhaps the grower (just starting) cannot afford a large boiler; but we have found that there is little economy in buying a boiler when starting into business that will only take care of the amount of glass erected the first season, for as a matter of fact one usually increases the number of houses annually, and the return tubular type of boiler of from 50 to 100 H. P. will always be found to be the best investment. We have reference to steam and always advocate the installment of steam where roses are to be the main crop.

There are many systems of steam heating, coil arrangements, etc. The gravity system is the most common in use and is entirely satisfactory. This calls for a cellar dug to a depth sufficient to keep the coils in the houses (flows and returns) at least 3 feet above the top water line of the boiler. If one is situated so the gravity system cannot be used or prefers, the vacuum system may be installed. This will allow the boiler to be kept up to the grade of the greenhouses, the air being drawn from the pipes and the steam pulled through them by suction caused by a vacuum pump. (This will be found very efficient). We do not intend to write an article on boilers, however, but to give a few suggestions in reference to them, as at this time there may still be a few who are in doubt as to what style of boiler and what method of heating to follow. The return tubular boilers are mostly of two types, the portable and the "brick-set." The portable, with its self-contained firebox, ashpit and saddle attached, is made in any desirable horsepower. This boiler takes up comparatively little room and if well covered with asbestos will be found very handy and economical. The "brick-set," as its name implies, is the type that is incased in masonry, with soot chambers in the rear, clean-out door and usually stationary grates with fire-brick lining and bridge wall. There is very little difference in price, so you pay your money and take your choice.

There are many who prefer the cast iron type of boiler, either used singly or as a battery of two or more. There are many types in this material on the market and some of them are splendid heaters as well as neat appearing and easily handled. But one should select the highest possible grade and one that has been on the market and in general greenhouse use for years—one that has proved its efficiency. Those advertised in the trade papers are of the best as a rule. At the same time one should take time in selecting and arranging the heating system, and any boiler concern will gladly furnish estimates and outline a system best adapted to their respective makes. But by all means have the boilers and coils in good condition in time and don't be stingy in the valve arrangement. We have seen boilers fitted up to heat 28,000 feet of glass without valves at the boiler, depending on the valves placed on the mains in the greenhouses, with no means of closing down for ordinary repairs on a cold night, which means at times that the fire has to be drawn or banked "dead" for repairs to coils. It won't be long now before our plants will require a little heat at night or early in the mornings, so that the boiler should be ready to start at a moment's notice from now on.

See to it that the glazing is gone over and the houses well painted. Now is the time to do these little things that count, that are so important. If there is anything a plant struggles against in vain it is a leak, and a leaky rose house is consequently very much of a failure. Another little matter is the ventilating machinery. The self-oiling machines should be gone over and if found gummed in the gear holders or reservoirs they should be cleaned thoroughly and refilled, all gears cleaned and greased if exposed, and last but not least oil the hanger of the ventilating sash. If this has not been attended to you will be surprised to find how easily the sash will lift after a good lubricating. Very often if the hinges are neglected they become rusted at the joint and so stiff that the screws are often drawn.

Caring for the Plants.

Now for the plants themselves. As we stated in our last article, the cultivating is most important. The benched stock especially will require frequent stirring, but don't gouge around the plants too deeply, merely keep the surface stirred so that the watering can be done uniformly. There isn't much that can be done at present except careful disbudding and tying, and frequent dusting with grape dust or sulphur with the bellows. Don't wait for mildew or green fly, but keep well ahead of it. It may be that in many sections it would be too warm to close down to fumigate, but by using liquid nicotine according to directions there will be no trouble from greenfly. During a continued rainy spell be rather careful when watering and ventilating. Use plenty of air-slacked lime dusted around in the walks and under the tables and by all means avoid draughts. The plants can stand an extremely higher temperature on bright days much better than to reduce the temperature by having the plants blowing around. If the soil should dry out too rapidly a light top dressing of old hot bed manure or shredded cow manure should be applied, especially

where the root action is quite free as may be the case with the early planted stock. It is a good plan to prepare a good pile of manure by turning frequently and storing in a sheltered place for later mulching. If the weather, though clear, is cool, syringing once a day will be sufficient. After August 16 the afternoon spraying should cease.

E.

FLORISTS' PALMS.

Avoid Crowding.

At this season of the year the palm growers are quite likely to get crowded for space, for the early potted stock will now be growing rapidly and every additional leaf counts. This crowded condition is quite likely to result in some ill-shaped plants unless one takes the precaution of setting over and rearranging the benches from time to time, turning those plants around that are inclined to draw to one side, and thus encouraging them to grow in the way they should. A few iron plant-stands are found very useful during this period, not only because they break the monotony of arrangement, but also on account of the space that is gained by raising a few of the plants above their fellows on the bench.

Speaking in a general way, it may be said that the fan-leaved palms suffer more from overcrowding than do the pinnate-leaved species, for they are more likely to get a long-drawn habit of growth when insufficient space is given them to spread in, and a lanky *Latania* or *Livistona* finds few friends, unless it may be among the thrifty decorators who are always looking for bargains of that character. Of course the grower may shake out these lanky specimens and bunch three or four of them together in as small a tub or pot as the roots will go in, thus providing some useful plants for decorative purposes after they have become established. But

after all, a single *Latania*, well grown, is vastly superior to these artificial masses of foliage, and by well-grown is meant a *Latania* with eight to nine good leaves, free from insect scars and of good color and texture, and growing in an eight-inch or ten-inch pot with twelve to fourteen good leaves of stocky habit.

Such a plant is truly ornamental, and seldom fails to find a buyer, even though the *Kentias* are the favorite florists' palms. The only disadvantage about growing *Latantias* of such a grade is that they occupy quite a lot of space, and the trade generally hesitates about giving a fair price for such plants in proportion to the space and time they have occupied in the grower's greenhouse. It is also a good practice to grade the stock in the benches as far as possible when setting over and rearranging them, culling out those that are weak in habit or imperfect in growth, and keeping these culls by themselves. The culls may then be either made up into decorative stock, or sold off as a job lot.

A little care in the matter of sorting and grading stock at this period, while the trade is comparatively dull, will greatly facilitate the work of picking out orders for shipment later in the season. The grower is sometimes hurried when the fall rush is on, and he may fail to remember for the moment that the retailer will expect to get twelve salable plants when he orders a dozen of a given size, and not ten good ones and two poor ones. And in his hurry, the grower does not notice how conspicuous those two runty plants are until he finds they have thrown a shadow over the future orders of that retailer. Of course there are some entirely accidental errors made in filling orders during a busy season, and when such errors are discovered the wisest plan is to adjust them at once, and not to look on the purchaser of the goods as a possible crook simply because he discovered your error.



THE C. A. KUEHN STORE, ST. LOUIS, MO.

Interior View, Looking to the Rear.

But possibly the reader will say that this is not supposed to be a lecture on business ethics, so we will return to the subject of palms. The chief essentials of culture at this season are first to give plenty of water to all well-rotted stock, never allowing them to get dry at the root. Secondly to syringe vigorously every bright day, the syringing during August to be done preferably in the early afternoon, in order to retain a moist, growing atmosphere in the houses. Shade the glass moderately, that the foliage may be properly protected from the sun without making the houses so dark that the plants become very soft and the leaves thin in texture. Air freely both day and night, so long as the weather will permit and if the nights should turn cold toward the latter part of the month, have enough artificial heat on a pipe or two to correct that chilly feeling that is often experienced in an unheated greenhouse even in August.

Watch out for insects, scales, thrips, mealy bug, aphids and red spiders, which are the most likely visitants of this character. There is not one beneficial insect in the whole list, so it behooves the grower to keep busy with insecticides in addition to a good pressure of water. If any palm seeds are received let them be sown at once, either in flats or in a bench as may be most convenient, for the majority of the species grown by florists have been brought from foreign countries, and may have been packed for several weeks, or even months, and some of these species lose their vitality quite rapidly.

W. H. TAPLIN.

Duty on Statice Wreaths.

Answering an inquiry of a customs collector as to whether statice wreaths, or wreaths of cut flowers, preserved, are dutiable at 25 per cent ad valorem under paragraph 263 as cut flowers, preserved, or at the rate of 60 per cent ad valorem under paragraph 438 as wreaths of ornamental flowers, James F. Curtis, assistant secretary of the treasury, says:

"The United States Circuit Court for the Eastern District of Pennsylvania (T. D. 29853) held that certain statice wreaths (Ex. 5) were properly dutiable under paragraph 251 of the tariff act of 1897 as natural flowers, preserved.

"Wreaths, however, were not specially provided for in the tariff act of 1897, but are provided for *eo nomine* in paragraph 438 of the present tariff act. Moreover, a comparison of paragraph 251 of the former act with the corresponding paragraph in 263 of the present act shows that a significant change has been made which is apparently applicable to the merchandise under consideration.

"Paragraph 263 contains a provision for 'natural flowers of all kinds, preserved or fresh, suitable for decorative purposes,' while under paragraph 263 'cut flowers, preserved or fresh,' are provided for.

"The department has before it a sample of statice from the flowers of which the wreaths in question are made, and it would not appear from an inspection of the flowers that they fall within the category of 'cut flowers' as ordinarily understood.

"The Board of General Appraisers in Abstract 2774 (T. D. 26655), and the authorities cited therein, held that natural as well as artificial ornamental leaves fell within the purview of paragraph 425 of the tariff act of 1897.

"In view of this finding and the fact that there is no provision in the present law for natural flowers, preserved, while 'wreaths' are provided for by name, I am of the opinion that statice 'wreaths' are properly dutiable under paragraph 438 of the tariff act as 'wreaths' at the rate of 60 per cent ad valorem. It appears, however, that it is the practice at the present time to assess duty upon these wreaths at the rate of 25 per cent ad valorem under paragraph 263, and you are accordingly directed 30 days from the date hereof to assess duty upon statice wreaths at the rate of 60 per cent ad valorem under paragraph 438."

THE CARNATION.

Transferring to the Greenhouse.

Planting in is the most important part of the cultural routine at this season, for the early part of August should



The C. A. Kuehn Store, St. Louis, Mo.

The Ice Box.

find this part of the work completed, the stock being much easier to care for and to control when under glass than it is outdoors, especially if the weather should take an unfavorable turn. A small plant will make more growth in the greenhouse if the season is a dry one, than it will in the field. Digging and hauling in both require some care, and also prompt action, for the less the roots are exposed to the air the better it is for the plant, and the sooner it will recover after planting. Firm planting in the beds and prompt watering both help in the general result, and frequent spraying for the first four or five days is needed if the weather is bright and windy, the latter being a weather combination that is quite common all along the Atlantic coast at this season, and one that is very trying to newly planted stock.

It is also necessary to keep the

houses rather close for some days after planting, gradually increasing the ventilation as the plants show signs of growth, until at the end of a week after planting full ventilation may be given unless the wind is too strong. Then the staking and tying is in order, for it does the plants no good to sprawl over the ground for a length of time and to have the soil washed over the foliage by the operations of watering and syringing. Growers have various opinions in regard to the best way to support the carnations, but the use of a three-legged wire support around the plants in order to keep them in shape until the growth becomes long enough to reach the longitudinal wires, is a very practical method. This keeps them in bounds for the time being and makes it much easier to get among the plants for the frequent weeding and cultivating that is so needful for the next month or two.

After a period of dry and hot weather, such as we had in the early part of July, there is almost sure to be an outbreak of red spider on the plants in the field, and as though this of itself was not enough to keep the grower busy, there are frequently found some thrips working in the points of the growths. Little can be done with these pests in the field, for insecticides are not readily applied there, nor are they as effective as the same strength solution may be in the greenhouse, but after the plants are safely housed and sufficiently recovered, then comes the renewed fight against the insects, and while the weather remains bright there is every opportunity for free syringing in order to dislodge the red spider. Thrips may be overcome by regular sprayings with nicotine solution, and this may be assisted to some extent by fumigation at such times as the weather may be cool enough to allow of closing the houses for a few hours at night, but the spraying is the main reliance of the grower, from the fact that nicotine used in that way is less injurious to delicate colored flowers than it is by the fumigating method.

Common salt is frequently used in solution in fighting red spider, and when used in moderation is not injurious to the plants, but there is a limit to its usefulness, and especially as the days grow shorter, for at that season the frequent use of salt will keep the foliage too wet during the night. This has not been quite an ideal season for plant growth outdoors, being too cold at night during the spring and early summer, and afterward too dry, the result being that in most eastern sections the plants are small. This makes it necessary to double up many plants in the houses, in order to make the benches fill up properly, and this doubling process uses up a large amount of stock, with the result that there will probably not be a great surplus of plants in any locality. Plants of the Enchantress group are, as usual, among the largest, while Beacon and Mrs. Ward seem to come next, though White Wonder also makes a well-balanced field plant, and in fact is a good grower generally.

W. H. TAPLIN.

KALAMAZOO, MICH.—The Prudential Nursery of this city has incorporated with a capital stock of \$20,000.

ST. CLOUD, MINN.—The Kindler Floral Co. has completed its new greenhouse. The structure is 17x100 feet.

CRHYSANTHEMUMS

Chrysanthemum Buds.

ED. AMERICAN FLORIST:

It is advised sometimes to strike chrysanthemum cuttings early and then take the tops of these and propagate them. Would not this anticipate the taking of buds next summer? Would not the first buds that show on such plants be second crown or terminal buds? F. D. B.

The main object of propagating chrysanthemums early and then take cuttings from the plants is to increase the quantity. Most of the plants grown for commercial blooms are propagated in May or June, and a plant rooted early will produce three or four cuttings that can be taken at that time and the older plant then thrown away and at the same time obtain the cuttings on the old stock plants, which will give the grower a much larger stock than to allow the stock plants to grow on until that time and then have only the tips of the suckers which have grown. This would not be advisable in growing exhibition blooms, for plants for this purpose must be propagated early and grown on to the flower, but for the commercial grower plants rooted before May grow too tall and occupy too much space. Plants rooted prior to May will generally set three buds, a first crown in June or July, a second crown in August, and a terminal bud in September, the first two being buds which stop the growth, and if the laterals which start from the eyes below the bud are allowed to grow, the bud will never produce a flower. The terminal bud marks the end of the plant's growth and is surrounded with other buds. On plants rooted in May and June there frequently will be but two buds set, which would be called crown and terminal, and plants rooted in July will often set no crown bud, the first bud showing being the terminal.

The plants which are rooted early and from which the cuttings are taken will not produce a high grade flower if grown on, for the cutting back invariably hardens the plant so that the blooms are of inferior grade, but will make plants for the production of sprays or can be planted out for stock plants for another year. W.

Pinching Out Side Growths.

One of the very important items of the general routine of the care of the plants being grown for cut flower purposes is that of pinching out the side growths. It is now drawing along to the time for many of the varieties to be forming the buds, consequently it is most important that the surplus or side shoots be cleaned off close so that the full strength of the plant be given to the main growth. It is a serious mistake to allow the side growths to become two or three inches long before removing them, particularly so at this period, when the plant is hardening up preparatory to setting its bud. For all the time they are left on they are sapping the strength from the bud. Another very important matter that requires our constant attention is that of watching the condition of the soil in the beds, which owing to the very dense growth that the plants have at-

tained is very liable to get too wet by the frequent syringing that the weather at this season makes necessary. On the other hand there are likely to be places in the bed that do not get sufficient water, which means that the only way to keep the soil in an even condition throughout is by a close examination every few days.

Continue to attend to the tying up of the plants, never allowing the stems to become crooked before doing it. Also do not overlook the work of keeping down the aphids to save a lot of trouble and disappointment later on, because any neglect in this respect when the plants are forming their buds will give the aphids a chance to get a foothold down in the bud from which it is very difficult to remove them. To have a fine bloom ruined by this pest getting down in the petal is one of the worst disappointments a grower can have. In a very short while some of the Golden Glow and Smith's Advance will be showing color, making it necessary that the blooms be shaded to protect them from burning. When these varieties are growing in a house by themselves it is not a very difficult matter to give shade by shading the whole roof, but where they are growing in the same house with the later varieties the whole roof cannot be shaded and other means has to be provided. A good scheme is to fasten some cheese cloth above the plants, but there must be at least 3 feet of room between the blooms and the cloth.

The late varieties that have been planted during the last month will be by this time rapidly getting hold of the soil. They should be encouraged in every way to make a clean growth. The bush specimen plants being grown for exhibition will require many attentions right along. They should not be pinched back any more after this date except for an occasional growth that is getting beyond the others. These should be stopped back. These large plants at this stage will be in need of some extra nourishment, which should be given them either by mulching or by watering with liquid manure. It is also time to begin to arrange to train out these large plants and until ready a few stakes should be set throughout the plants to protect the branches. C. W. JOHNSON.

Sharon, Pa.

The veteran John Murchie, with forty strenuous years as a florist in Sharon behind him, is still active but has to a considerable extent relinquished the management of the business to his sons. They have a good store in town and at their greenhouses there is evidence of systematic activity.

The Idlewild Greenhouses, which are said to be in the hands of a receiver, have been leased by a florist named Olson, who seems to be a practical grower.

Fischer & Schieck have succeeded to the business of I. O'Brien. Mr. Schieck had for some time been in Mr. O'Brien's employ.

GLOVERSVILLE, N. Y.—Wm. Larcomb is erecting a greenhouse.

BEND, ORE.—According to reports this place is soon to have its first commercial greenhouse. Montelle Coe will be the owner.

WATER GARDEN.

Some Popular Water Lilies.

New, rare and select water lilies comprise the best, most desirable, ornamental, attractive and decorative of aquatic plants, and naturally receive the greatest attention and admiration. The beauty of these is enhanced by other miscellaneous aquatic and sub-aquatic plants. Take, for instance, a pool, small or large, planted solely with water lilies, compared with another containing also plants of cyperus, alternifolius papyrus, variegated calamus, scirpus and also some marginal and sub-aquatic plants nearby. The calla pool is certainly the most picturesque, natural and pleasing. As I said before, the water lilies are most attractive, especially with the varied colors of red to crimson. White must never be omitted, nor yellow with the additional shadings of red and orange and the varied tints of blue, from the palest lavender and violet to purple shading. With all these colors harmonizing and restful is it any wonder that the water garden is always a center of attraction?

We have had the pond lilies with the addition of the hybrids for several years. Still we find a great many persons not familiar with them and desirous of further acquaintance, while others are familiar with most that are in cultivation. Few new varieties of merit have been introduced of late, though a number of varieties have been raised and introduced in France and Germany. Several of the French varieties are too much alike and the distinction is not so decided as to warrant so high a price as is usually demanded for a novelty. But as with novelties in other lines, these are tempting and catchy, though often disappointing. Among them I would mention a few very good ones: *Nymphae graziella*, a beautiful globular flower. In the bud a rich deep yellow, when open it is orange red. The flowers like many others change with age to deeper hues. It is a free flowering, moderate grower, but lacks size, is useful and distinct but too small, though good for tub culture. *N. Sioux*, a beautiful yellow flower, shaded red, lanceolate petals, flowers standing above the water, an improved *N. Seignoreti*. Like all yellow lilies or flowers with red and yellow, the leaves are blotched or spotted with brown. *N. Paul Hariot* is one of the best of the yellow bi-colored water lilies; it is probably a larger flower than *N. chromatella*, but I have not seen it where well established but under adverse conditions. It is a grand and magnificent flower, of the largest size among hardy nymphs, clear yellow with delicate shadings of red at base of petals.

Of American varieties *N. Eugene de Land* is very beautiful in the odorata group. We had a few years ago: *N. O. rosea*, then *N. Caroliniana*, then *N. O. Luciana*, then *N. W. E. Shaw* and best of all *N. Eugene de Land*. The two former are lost to cultivation. The latter are fine varieties in exquisite shades of rose pink and rich in fragrance. *N. Helen Fowler*, another of American origin, is intermediate between the *tuberosa* and *odorata* types, with the vigor of the former. The flowers are of deep rose color, borne on stout stems, making it

useful for cutting purposes. It is very fragrant and is certificated by the Horticultural Society of New York. Among the older nymphæas one of the old favorites is *N. Laydikeri rosea*, now seldom met with, being difficult to propagate. As it is undersized it is not often called for, but it is a charming variety of a delicate pink, changing successively through darker shades to a deep rose pink. In the tender nymphæas there is nothing new of great merit, though next season should produce something good. *N. Grossherzog Ernst Ludwig*—the name is far too long for American pronunciation—is somewhat like its name, being extra large. It is a strong grower, flower light violet blue, big though not so choice as *N. Pennsylvania* and *N. pulcherrima*, but good for a large pond.

Among the other aquatic plants I would mention *Linnanthemum plumieri*. This is a most interesting plant, very similar to *L. indicum*, the well-known water snowflake with white flowers beautifully fringed, but in this case the flowers are a rich yellow; a very pretty and interesting aquatic plant. Another interesting plant is *pondederia Montevidiensis*. As its name implies it is a South American plant somewhat like our native *p. cordata*, but the leaves are not cordate and deep shiny green, but cordate lanceolate, and taller than *p. cordata*. The flowers are a pale blue, a nice addition to the aquatic list. In the select hardy nymphæas of distinct colors desirable for moderate sized ponds the *Martiana* group is most promising. *N. M. Albida*, white; *N. M. rosea*, pink; *N. M. Chromatella*, yellow. For a dark variety *N. Jas. Beydon* and *gloriosa*, five distinct and well-tried varieties either single plants or in groups. The following may be mentioned: For naturalizing in larger ponds, *N. O. Luciana*, *W. B. Shaw*, pink; *N. M. Chromatella*, yellow; *N. Gladstoniana*; *N. Richardsoni*; *N. tuberosa maxima*, white. *Nelumbiums* are all good for any place, *N. speciosum* being the only one to obtain in quantity and at a reasonable price. T.

Worcester, Mass.

TRUSTEES MEETING.

The quarterly meeting of the trustees of the Worcester County Horticultural Society was held in Horticultural Hall, Worcester, Mass., August 8, with President Edward W. Breed in the chair. George McWilliam, gardener for J. Marston Whitin, Whitinsville, Mass., was presented two silver medals, awarded for orchids exhibited at the cut flower show in Horticultural Hall, March 7. Leonard C. Midgley was presented the silver medal awarded to him for the seedling carnation, "Eureka," March 7. William Anderson, gardener for Bayard Thayer, South Lancaster, Mass., was given the silver medal awarded him for the seedling *amaryllis*, March 7. It was voted to give William Sim, the Cliftondale sweet pea specialist, a silver medal instead of the ten dollar prize awarded him for his display of sweet peas, July 18.

Lewistown, Pa.

R. G. Bowersox, who has been seen at conventions of the Society of American Florists, has a small but neat and well kept range here and supplies the town with flowers. His houses

were erected by Hitchings & Co. of Elizabeth, N. J., and have proved very satisfactory. Mr. Bowersox's residence and greenhouses are finely located and he is at present making extensive improvements on his grounds.

P. G. Raymer now has the store at 115 W. Market street, and though carrying other stock he expects to continue the seed business.

Mrs. Hunt has retired from the seed business since the death of her husband, which occurred last fall.

Additional Convention Visitors.

It is stated the following attended the convention, in addition to those given in last week's issue:

Milton Alexander, New York.
L. H. Archias, Sedalia, Mo.
J. B. Baker, Ft. Worth, Texas.
C. D. Ball, Jr., Holmesburg, Pa.
Geo. H. Bancroft, Cedar Falls, Ia.
Leonard Barron, Garden City, N. Y.
Arthur Bather, Clinton, Ia.
Leo H. Bather, Clinton, Ia.
H. Bayersdorfer, Philadelphia, Pa.
I. M. Bayersdorfer, Philadelphia, Pa.
S. H. Bayersdorfer, Philadelphia, Pa.
O. P. Beckley, Harrisburg, Pa.
Paul Berkowitz, Philadelphia, Pa.
John Berry, Colorado Springs, Colo.
Wm. Blackman, Evansville, Ind.
F. E. Bonham, Macomb, Ill.
L. H. Brague, Hinsdale, Mass.
H. Brown, Richmond, Va.
H. B. Buck, New York.
John Lewis Childs, Floral Park, N. Y.
Thos. Cogger, Boston, Mass.
J. L. Congdon, Boston, Mass.
W. E. Cook, New York.
Otto H. Cron, Monroe, Mich.
A. E. Crooks, Benton Harbor, Mich.
W. H. Culp, Wichita, Kans.
Roy J. Currie, Milwaukee, Wis.
Julius Dilloff, New York.
A. L. Donaldson, New York.
H. G. Dreyer, Cleveland, O.
E. E. Dunlap, Boston, Mass.
Geo. Dysinger, Ionia, Mich.
Wm. Edwards, Freeport, Ill.
W. C. Egan, Detroit, Mich.
W. L. Ely, Clyde, N. Y.
Peter Fisher, Ellis, Mass.
J. E. Flannigan, Zanesville, O.
F. A. Freidley, Rocky River, O.
Alois Frey, Crown Point, Ind.
Irwin Frey, Lincoln, Neb.
Maurice Fuld, Philadelphia, Pa.
H. A. Getz, Cleveland, O.
J. E. Gratz, Champaign, Ill.
S. D. Green, Philadelphia, Pa.
H. F. Greve, Dallas, Texas.
G. W. Grossart, Bellesville, Ill.
R. Haentze, Fond du Lac, Wis.
Benjamin Hammond, Fishkill, N. Y.
Geo. Hampton, Philadelphia, Pa.
Geo. S. Hampton, Jr., Philadelphia, Pa.
A. Hannab, Grand Rapids, Mich.
A. H. Hare, Milwaukee, Wis.
B. L. Hart, Cleveland, O.
H. A. Hart, Cleveland, O.
James W. Heacock, Wyncote, Pa.
Joseph Heacock, Wyncote, Pa.
A. C. Heckman, Jr., Cincinnati, O.
Otto Heinecker, Hamburg, Germany.
Fred G. Heintz, Terre Haute, Ind.
John G. Heitman, Milwaukee, Wis.
E. G. Hill, Richmond, Ind.
Ernest A. Hodapp, Mankato, Minn.
W. F. Hoeger, Chattanooga, Tenn.
C. L. Hoffmeister, Cincinnati, Tenn.
Albert Hoge, Milwaukee, Wis.
A. J. Horning, Cincinnati, O.
H. A. Huck, Richmond, Ind.
C. Hudson, Canaan, Conn.
H. F. Janssen, Springfield, Ill.
J. L. Johnson, De Kalb, Ill.
W. C. Johnson, Memphis, Tenn.
Robt. Karlstrom, South Orange, N. J.
W. A. Kennedy, Milwaukee, Wis.
R. G. Kimball, Zanesville, O.
Chas. Klehm, Arlington Heights, Ill.
Frank J. Knecht, Fort Wayne, Ind.
C. B. Knickman, New York.
John L. Koenig, St. Louis, Mo.
Otto G. Koenig, St. Louis, Mo.
Henry Kusik, Kansas City, Mo.
H. G. Ladue, Matteawan, N. Y.
J. V. Laver, Erie, Pa.
Geo. D. Leedle, Springfield, O.
Chas. Lenker, Freeport, L. I., N. Y.
Morris LeVina, New York.
Daniel B. Long, Buffalo, N. Y.
J. E. McAdam, Fort Worth, Texas.
J. P. McCarthy, Boston, Mass.
James McHutchison, New York.
T. W. MacConnell, New Brighton, Pa.
Chas. D. Marshall, Henry, Ill.
E. W. Mast, Cincinnati, O.
C. H. Maynard, Allen, Mich.
F. J. Mead, East Orange, N. J.
Albert Meier, Madison, Wis.
Abner Miller, Fennville, Mich.

A. L. Miller, Brooklyn, N. Y.
F. J. Moore, East Orange, N. J.
G. E. Moore, Henry, Ill.
G. E. Morgan, Cleveland, O.
J. E. H. Morichard, Philadelphia, Pa.
J. A. Muller, Carlstadt, N. J.
Ray Murphy, Cincinnati, O.
Frank Murray, Boston, Mass.
E. C. Newbury, Mitchell, S. D.
J. A. Newby, Logansport, Ind.
Eugene Oestreich, Milwaukee, Wis.
Harry Papworth, New Orleans, La.
Stephen Parnell, Flowerfield, N. Y.
M. A. Patten, Tewksbury, Mass.
J. H. Pepper, New York.
G. Pohl, Milwaukee, Wis.
John Reardon, Ames, Ia.
Edward Reid, Philadelphia, Pa.
Fred Rentschler, Madison, Wis.
Geo. Rentschler, Madison, Wis.
W. L. Rock, Kansas City, Mo.
Julius Roehrs, Jr., Rutherford, N. J.
Sol Rosenfeld, New York.
Max Rudolph and son, Cincinnati, O.
Louis Rusch, Detroit, Mich.
J. F. Sabransky, Kenon, O.
G. C. Clair, St. Louis, Mo.
J. J. Salmon, Akron, O.
Wm. A. Schaefer, Plattville, Wis.
P. Schafer, Kankakee, Ill.
C. A. Schettler, Cleveland, O.
H. Scheuerman, New Orleans, La.
Edw. Schumann, Newport, Ky.
Arthur Schwerin, Burlington, Ia.
David J. Scott, Corfu, N. Y.
Robt. Shoch, Philadelphia, Pa.
Wm. Sim, Cliftondale, Mass.
J. J. Slaark, Marquette, Mich.
Henry Smith, Grand Rapids, Mich.
C. L. W. Snyder, El Paso, Ill.
M. Spedel, Oconomowoc, Wis.
A. J. Stahelin, Redford, Mich.
Fred H. Staudt, Aurora, Ill.
Joseph Streit, Buffalo, N. Y.
J. S. Stuart, Anderson, Ind.
Norman Sullivan, Detroit, Mich.
Jefferson Thomas, Harrisburg, Pa.
J. Tobler, Kansas City, Mo.
C. Vanderbreggen, Philadelphia, Pa.
Leon E. Vanicki, Fond du Lac, Wis.
W. J. Vesey, Fort Wayne, Ind.
Andre E. Viand, Boston, Mass.
E. Vickers, St. Louis, Mo.
E. J. Waldbart, St. Louis, Mo.
John Walsh, Philadelphia, Pa.
A. L. Ward, Dubuque, Ia.
Philip Weil, Milwaukee, Wis.
Henry J. Weiland, New Castle, Ind.
Peter Weiland, New Castle, Ind.
Patrick Welch, Boston, Mass.
S. B. Wertheimer, New York.
Wilfred Wheeler, Concord, Mass.
Prof. H. H. Whetzel, Ithaca, N. Y.
H. S. Will, Minneapolis, Minn.
R. J. Windler, St. Louis, Mo.
Max Windmiller, Mankato, Minn.
Theo. Wirth, Minneapolis, Minn.
H. Youell, Syracuse, N. Y.
O. V. Zangen, Hoboken, N. J.

The Ladies.

Mrs. L. Archias, Sedalia, Mo.
Miss Jeane Armit, Little Rock, Ark.
Mrs. W. J. Baker, Fort Worth, Texas.
Miss Anna Barber, New York.
Mrs. Leo H. Bather, Clinton, Ia.
Mrs. Louis Bauscher, Freeport, Ill.
Miss Blackman, Evansville, Ind.
Mrs. E. M. Bullock, Elkhart, Ind.
Miss Bessie Chandler, Berlin, N. Y.
Mrs. S. W. Coggan, Battle Creek, Mich.
Miss Elsie Coles, Kokomo, Ind.
Mrs. J. T. Conger, Cincinnati, O.
Miss Crooks, Benton Harbor, Mich.
Mrs. F. J. Daut, Decatur, Ill.
Mrs. J. A. Evans, Richmond, Ind.
Mrs. John L. Fee, New York.
Mrs. J. T. D. Fulmer, Des Moines, Ia.
Miss Perle B. Fulmer, Des Moines, Ia.
Mrs. James Glass, Baltimore, Md.
Mrs. W. F. Haeger, Chattanooga, Tenn.
Miss L. K. Harris, Memphis, Tenn.
Mrs. B. L. Hart, Cleveland, O.
Mrs. Herman A. Hart, Cleveland, O.
Mrs. Fred G. Hawkins, Stapleton, N. Y.
Miss M. Howard, Buffalo, N. Y.
Mrs. M. E. Irby, Memphis, Tenn.
Mrs. J. L. Johnson, De Kalb, Ill.
Mrs. C. W. Kohler, Philadelphia, Pa.
Mrs. J. V. Laver, Erie, Pa.
Mrs. E. C. Ludwig, Pittsburg, Pa.
Mrs. John McArthur, Elizabeth, N. J.
Mrs. Joseph Manda, West Orange, N. J.
Mrs. E. W. Mast, Cincinnati, O.
Mrs. W. G. Matthews, Dayton, O.
Miss Matilda Meinhardt, St. Louis, Mo.
Mrs. M. P. Mills, Philadelphia, Pa.
Mrs. Frances Nanz, Owensboro, Ky.
Miss Kate Nanz, Owensboro, Ky.
Mrs. Grant Newport, Cedar Rapids, Ia.
Mrs. Eugene Oestreich, Milwaukee, Wis.
Mrs. P. J. Olinger, Cincinnati, O.
Mrs. P. M. Paley, Little Rock, Ark.
Mrs. E. Allen Peirce, Waltham, Mass.
Mrs. J. A. Peterson, Cincinnati, O.
Mrs. G. Pohl, Milwaukee, Wis.
Mrs. C. C. Pollworth, Milwaukee, Wis.
Mrs. H. J. Quick, Baltimore, Md.
Mrs. P. S. Randolph, Pittsburg, Pa.
Misses Reiman, Indianapolis, Ind.
Mrs. Haps Rossacker, Minneapolis, Minn.
Mrs. Max Rudolph, Cincinnati, O.
Mrs. Louis Rusch, Detroit, Mich.
Mrs. F. E. Selkregg, North East, Pa.
Mrs. A. J. Stahelin, Redford, Mich.
Mrs. Wm. Swinbank, Sycamore, Ill.
Mrs. C. C. Young, St. Louis, Mo.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

CONTENTS.

The Chicago convention.....	353
—Thursday's proceedings.....	353
—General view of the exhibition (illus.).....	354
—President-elect Farquhar's speech.....	354
—W. R. Pierson's speech.....	354
—Partial view of exhibition hall (illus.).....	355
—The Smith memorial.....	356
—M. Rice & Co.'s exhibit (illus.).....	356
—The Raedlein Basket Co.'s exhibit (illus.).....	357
—H. Bayersdorfer Co.'s exhibit (illus.).....	357
—Parcels post.....	357
—F. R. Pierson Co.'s exhibit (illus.).....	358
—Report of committee on final resolutions.....	358
—Florists' Hall Association.....	358
—American Gladiolus Society.....	358
—E. F. Winterson (illus.).....	359
—Convention notes.....	361
—The bowling tournament.....	362
—The baseball game.....	362
—Races and field sports.....	363
—Advertising: Some wrongs to make right.....	363
—The races at Ravinia Park (illus.).....	364
C. A. Kuehn, St. Louis, Mo. (illus.).....	365
The rose.....	365
—The heating system.....	365
—Caring for the plants.....	366
Florists' palms.....	366
Store of C. A. Kuehn (illus.).....	367
The carnation.....	367
Chrysanthemums.....	368
Water gardens.....	368
Additional visitors.....	369
Home Gardening Association.....	370
Fisher corrects Battle Creek item.....	370
Oil heating apparatus.....	370
Meetings next week.....	371
Coming exhibitions.....	371
Chicago.....	372
Cleveland.....	374
Cincinnati.....	375
St. Louis.....	376
St. Paul.....	376
San Francisco.....	377
Pittsburg.....	378
Washington.....	378
Railway Gardening Association.....	379
New York.....	382
Philadelphia.....	382
Boston.....	382
The seed trade.....	390
—Catalogues not affected.....	390
Market gardeners.....	396
The nursery trade.....	398

FREDERIC W. TAYLOR, chief of agriculture in the Philippines and life member of the Society of American Florists, cabled greetings to the members of the society assembled in convention at Chicago but the message was unfortunately delayed in Washington until after the close of the proceedings.

IN AN EDITORIAL on the distribution of flowers to Pittsburg school children on the last day of the vacation schools the Leader of that city says: "The little child is the natural fellow of the bird and the flower, and it seems especially beautiful that the hands of the little ones were filled with fragrant, glowing blossoms as a memento of that final day of associated vacation. Children are entitled to flowers. It is their right. When they are deprived of flowers they are deprived of their natural right. The child of civilization is not fully cared for, and started upon the way of good citizenship when he is merely fed and clothed with the minimum of food and clothing. He needs something more than air to breathe, meat to eat, and water to drink. He has a soul, too, which needs more than meat and drink."

NEW YORK.—King George of England will be an exhibitor at the third International Flower Show to be held here in April. R. F. Felton, the king's florist, will have charge of the exhibit, which will consist of orchids. This will be the first time the product of the royal conservatories have ever been entered in a competition outside of Great Britain.

Home Gardening Association.

W. E. Telling, a prominent citizen, has promised the managers of the exhibition of the Home Gardening Association, which will be held at Cleveland September 4 to 7, that he will place his fine tropical collection at their disposal for exhibition. The exhibition will be held in the Sweetland building, Euclid avenue. Florists and others who wish to make exhibits while not contesting for prizes will be given a special section for their displays and a large number of florists have agreed to exhibit flowers and plants. At the close of the exhibition all the flowers will be sent to the hospitals.

Fisher Corrects Battle Creek Item.

August 26, 1912.

ED. AMERICAN FLORIST:

In the last issue of your paper there appeared an article as follows: "Battle Creek, Mich.—The H. A. Fisher Co., retail florists of this place, made an assignment August 8 for the benefit of their creditors." Inasmuch as the H. A. Fisher Co. have had nothing to do with this business arrangement we deem it only just that you publish the facts of the case. The truth of the matter is that J. A. Fisher of the firm of J. A. Fisher & Co., of Battle Creek, Mich., has sold his interest to Mr. Aldrich, of Battle Creek, and had nothing whatever to do with the H. A. Fisher Co., of Kalamazoo, Mich. We would therefore deem it a special favor by your publishing this letter and oblige,

THE H. A. FISHER CO.,
Kalamazoo, Mich.

Geo. Fisher, Vice-President.

Prevention of Hail by Electricity.

A new type of hail destroyer is being tested in France on a large scale. The device is essentially a very large lightning rod of pure copper grounded by means of a copper conductor. According to the theory of the inventors, these instruments, by their effect upon currents of atmospheric electricity, are capable of preventing the formation and fall of hail stones.

The French Government, through a special commission of Senators and Deputies, is studying the process and has encouraged experiments to be undertaken. A chain of hail destroyers of the new type will be established in important vine-growing districts which heretofore have suffered heavily from hail storms, notably in the Departments of the Gironde, the Beaujolais, the Loire Inferieure, and the Charente. In Paris an "electric Niagara" will be installed in the Eiffel tower and supplementary posts will very likely be established on the dome of the Pantheon and on an edifice in the northern part of the city.

The great damage wrought by hail and lightning in France each year, with losses estimated at approximately \$20,000,000 to \$30,000,000, will cause the experiments now under way to be

followed with close attention. Many of the posts have been completed and the results obtained will be carefully noted and studied. In order to determine the efficacy of the new device with any degree of accuracy it is realized that systematic tests during a period of years will be necessary, and to supervise the work a committee of defense has been formed, some of whose members are representatives of the French government.

The belief that electricity is largely responsible for the formation of and precipitation to the earth of hailstones has long been held by some French savants, and efforts to utilize lightning rods for purposes of protection have been previously made, but it is now believed that the instruments heretofore employed were of an imperfect type. It is claimed that the new "paragrelle" with its multiple points and perfected apparatus is capable of drawing down such great quantities of electricity from the clouds as to render them innocuous as to hail and lightning. Although this may not be a generally accepted theory as to hail, it can at least be said that experiments along the lines indicated will be of interest for scientific purposes.

The new device is comparatively inexpensive to construct. In a general way it may be described as a rod of copper at least 130 feet high terminating in a crown, or aigrette, of copper blades. The base terminates in a large pool of water, preferably flowing water. Church steeples, factory chimneys, or structures specially built may be utilized for obtaining sufficient elevation, but care is necessary in fulfilling all the requirements as to conductivity. According to the plan now followed the rods are erected at intervals of about 6 miles along a line transverse to the usual path of hailstorms. It is stated that encouraging results have been obtained thus far wherever the instruments have been placed.

Copies of the following printed reports relative to the "paragrelle" are forwarded for loan to interested Americans through the Bureau of Manufactures: (1) Report of a special commission of the General Council of the Seine, 1911. (2) Report to the Senate Committee on Agriculture by Senator Audiffred, 1912. (3) Report of the "Comite de Defense contre les Orages et la Grele," March 30, 1912. (4) Illustration of a "paragrelle" reproduced in the French scientific journal "Le Genie Civil," September 30, 1911.—Daily Consular and Trade Reports.

Oil Heating Apparatus.

ED. AMERICAN FLORIST:—

We are thinking of installing an oil heating apparatus for our horizontal tubular boilers, namely, one steam and two hot water boilers. We have about 20,000 square feet of glass. Kindly advise us as to cost of installing, also comparative figures of cost of burning oil versus pea coal at \$4.35 per ton in cellar.

F.

Ontario.
The letter signed "F." does not give any idea of the price of crude oil for fuel, but if the location is anywhere near the oil regions, at the price mentioned for pea coal, it would be found cheaper to use oil, and besides there would be a large saving in labor. The cost of installation will depend to a considerable degree upon the style of burner used, since some are quite simple and inexpensive while others are much higher priced. For the three boilers, if they are of medium size, the cost of installing oil-heating apparatus, including materials and labor, would probably range from \$150 to \$200, aside from the cost of a storage tank for the oil and a tank wagon for hauling it.

L. R. T.

Meetings Next Week.

Albany, N. Y., September 5, 8 p. m.—Albany Florists' Club, 71 State street.
 Buffalo, N. Y., September 3, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
 Chicago, September 5, 8 p. m.—Chicago Florists' Club, Union Restaurant, 70 West Randolph street.
 Dayton, O., September 5, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
 Denver, Colo., September 2.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.
 Detroit, Mich., September 2, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Fall River, Mass., September 3, 8 p. m.—Fall River Florists and Gardeners' Association.
 Grand Rapids, Mich., September 2.—Grand Rapids Florists and Gardeners' Club, office of member.
 Indianapolis, Ind., September 3, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Lake Geneva, Wis., September 7, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.
 Lenox, Mass., September 7.—Lenox Horticultural Society.
 Los Angeles, Calif., September 3.—Los Angeles County Horticultural Society.
 Louisville, Ky., September 4, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
 Milwaukee, Wis., September 5, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City hall square.
 Minneapolis, Minn., September 3.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., September 2, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
 New Orleans, La., September 4, 8 p. m.—German Gardeners' Club, 624 Common street.
 Newport, R. I., September 4.—Newport Horticultural Society.
 Philadelphia, Pa., September 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.
 Pittsburgh, Pa., September 3, 8 p. m.—Florists and Gardeners' Club of Pittsburgh, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, September 3.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
 San Francisco, Calif., September 7.—Pacific Coast Horticultural Society.
 Seattle, Wash., September 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 Tacoma, Wash., September 5.—Tacoma Florists' Association, Macomber hall.
 Utica, N. Y., September 5, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.
 Washington, D. C., September 3, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)
 Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.
 Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park Md.
 Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. F. Rich, secretary, 300 Massachusetts avenue, Boston.
 Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society, John N. Stockwell, secretary, City hall, Cleveland.
 Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society, James McDonald, corresponding secretary.
 Lenox, Mass., October 24-25, 1912.—Fall exhibition, Lenox Horticultural Society. Geo. H. Instone, secretary, Lenox, Mass.
 Madison, N. J., October 31-November 1, 1912.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.
 Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.
 New Haven, Conn., September 11-12, 1912.—Annual dahlia show and general exhibition, New Haven County Horticultural hall, Harmonie hall, Elm street, David Wyllie, secretary.
 Newport, R. I., September 14-16, 1912.—Fall exhibition, Newport Horticultural Society, Masonic hall, D. J. Coughlin, secretary, Bellevue avenue, Newport, R. I.
 New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West forty-fourth street, W. A. Eagleson, secretary, American Institute, New York.
 New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West forty-fourth street, W. A. Eagleson, secretary, 19 West forty-fourth street, New York.
 Orange, N. J., September 27, 1912.—Seventh annual dahlia show, New Jersey Horticultural

Society, Lindsley hall, Main street, Wm. Reid, secretary.
 Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America, S. W. Severance, 508 Walker building, Louisville, Ky.
 San Francisco, Calif., October 23-26, 1912.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel, Angelo J. Rossi, manager, 2114 Steiner street, San Francisco, Calif.
 St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.
 Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.
 Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 18 Front street, Worcester.
 Yonkers, N. Y., October 29-31, 1912.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory, Wm. Mills, secretary.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.
For Plant Ads., See Ready Reference Section
 Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—As working foreman; single, German, strictly sober; good grower of cut flowers and potted plants, good designer, handling help, etc.; state wages in first letter.
 Address Key 682, care American Florist.

Situation Wanted—By expert grower and foreman; 40 years' international experience; laid out old world's fair beds; private position preferred; state wages in first letter. Address
 Key 690, care American Florist.

Situation Wanted—By October 1st, as an assistant under glass; age 20; one year's experience in bedding plants, four years' outside work; strictly sober and reliable. Please state wages in first letter. Key 692, care American Florist.

Situation Wanted—English, age 28, single, 13 years practical experience in all branches inside and out, well versed in roses, orchids, carnations and general line of pot plants, etc.; have excellent recommendations, open for position early in September. Address Key 687, care American Florist.

Help Wanted—Gardener for private place; married man only; house and vegetables, etc., free; \$45 per month; must be experienced in trees, flowers, shrubs, vegetables, fruit and light farm work; state experience and references, etc.; steady position to right party.
 J. A. CHRISTOPHER,
 511 Park Ave., St. Louis, Mo.

Help Wanted—A working foreman capable of handling help. An AI grower of Carnations, Mums, Lilies, Easter and Xmas Stock and Bedding Plants. Good wages for thoroughly competent man. Give references in first letter.
 JOHN RECK & SON, 985 Main St., Bridgeport Conn.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80½ in. Bought Nov., 1910, used 5 months. Price \$300 cash.
 THE PANA GREENHOUSES, Pana, Ill.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Lost—Friday, 23rd, between 3.30 and 4.00 p. m., Coliseum Florists' Convention, small gold stick pin with letter W engraved; valued as a keepsake; reward.
 H. N. BRUNS,
 3040 W. Madison St., Chicago, Ill.

Situation Wanted.

A good carnation grower is open for engagement. Chicago or middle west preferred. Address
 Key 683, care American Florist.

Restaurant for Sale

Located on nursery near Chicago; accommodations for 10 to 20 boarders and 10 roomers; have 18 at present; \$400 or less, as per inventory. Write at once.
 Key 689, care American Florist.

Situation Wanted.

An Up-to-date Seed, Tree and Plant man of fifteen years experience wishes a position as traveling salesman for the entire Pacific Coast. Is known by all the trade, and can furnish the very best of references. Address
 Key 691, care American Florist.

Wanted At Once.

NURSERY MANAGER

For Mail Order Business, one who is familiar with conditions in the Northwest. Married man preferred. Good dwelling house on place. Splendid opportunity for the right man with some capital. Address Key 657, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.
 Key 628, care American Florist.

Manager Wanted.

At once, Expert Carnation Grower who is able to handle help to best advantage, to take full charge. State full particulars, stating age, experience, last employers, wages expected, etc. Good dwelling on place.

N. ZWEIFEL, North Milwaukee, Wis.

FOR SALE.

NURSERY PLANT. High grade small nursery in middle west, well stocked and equipped, all inside limits city of 2,000 population. Buildings cost over \$8,000. Opportunity for two live young men. Account of health, owner will make sacrifice for quick sale.

HENRY LAKE SONS Co., Black River Falls, Wis.

WANTED!

Experienced Rose and Carnation Growers of our new place just being finished. Houses are 60 by 1000 feet. New and modern. State wages, experience and references and when you can come in your first letter. Steady and good position for reliable men.

J. F. Wilcox & Sons, Council Bluffs, Ia.

Seedsman Wanted.

Wanted—young man thoroughly competent for retail seed store. One conversant with seeds, bulbs, shrubs and plants and willing to travel a few months of the year. We have a good opening for the right party. State age, full particulars as to experience and wages wanted.

Northrup, King & Co., Seedsmen
 Minneapolis, Minn.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of
 JOHN F. HAHN,
 1572 Sherman Avenue, Evanston, Ill.

WANTED

Manager for the **PLANT DEPARTMENT** of our Mail Order Catalogue. Must be fully qualified as a grower of Flowering Plants and Bulbs, also small Fruit Plants of all kinds and must know the best methods for storing during winter for early spring orders. Must also understand best methods for packing plants for both mail and express shipments.

Good position for the right party. Must furnish references and give full particulars of experience.

MILLS SEED HOUSE, Rose Hill, N. Y.

Summer Roses Our Specialty

American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft

Chrysanthemums Now in Flower. Very Choice Large Yellow Mums.
\$3.00 per dozen.

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change
without notice.

AMERICAN BEAUTIES		Per doz.	Per 100
Extra long		\$2.50 to \$3.00	
24 to 30-inch		2.00	
18 to 20-inch		1.50	
12 to 15-inch		1.00	
Short		per 100, \$4.00 to 6.00	
KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY.		Per 100	
Extra long select		\$6.00 to \$8.00	
Medium length		3.00 to 4.00	
Short		2.00	
Extra long, O. P. BASSETT		\$1.50 to \$2.00	
Extra long, white		1.50 to 2.00	
Fancy pink		1.50 to 2.00	
FINE EASTER LILIES			
Per dozen			1.00
Per 100			6.00
LILY OF THE VALLEY		3.00 to 4.00	
ASTERS, all colors		1.00 to 2.00	
ASPARAGUS SPRAYS		3.00 to 4.00	
SPRENGERI		2.00 to 3.00	
ADIANTUM		1.00 to 1.50	
GALAX—Bronze and Green		per 1,000, \$1.00	
NEW FERNS		per 1,000, \$1.50	

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457

Chicago.

TRADE VERY QUIET.

The demand for stock the past week has been quiet and all kinds of flowers with the exception of orchids are in great oversupply. A great improvement is to be seen in the quality of the roses which are rapidly taking on the normal condition for this season of the year. Killarney and White Killarney roses are exceptionally fine and in great abundance and American Beauty roses are now coming in in fine condition with nicely shaped buds of excellent color on long straight stems with the best of foliage. Mrs. Aaron Ward, Radiance, Prince de Bulgarie, Melody and Sunburst roses are also arriving in fine shape and have a fairly good call. Gladioli are a glut everywhere but the quality of the stock is supreme and it is a shame that such exceptionally fine America, Mrs. Francis King and Augusta that are arriving on the market now should be sacrificed at such low prices as they have been the past week. Asters are of course also in great oversupply and the quality in some instances is very fine; some exceptionally nice branching varieties of all the different colors can be obtained. Lilies are in a great oversupply and dahlias are beginning to be more plentiful and there are some flowers of a very good grade now making their appearance. There is still a great quantity of outdoor stock and a large supply of hydrangea is to be had with a great amount of rudbeckia, helianthus, marigolds, feverfew, daisies, candytuft and all other outdoor seasonable flowers. Golden Glow chrysanthemums are more plentiful and greens of all kinds are in good supply. The trade is now anxiously looking forward to the early frosts, when the mass of cheaper flowers will be cut off and trade will be

more brisk. The convention, which was a very successful one, is over and the few remaining visitors yet in the city are about ready to take their departure. The market on Tuesday was much firmer with both the local and out-of-town trade quite brisk. The weather is much cooler and the prospects are very bright for a record fall. The first white chrysanthemums, Smith's Advance, arrived this week and are magnificent blooms of A1 quality.

NOTES.

A party consisting of Mr. and Mrs. Chas. W. McKellar, Mr. and Mrs. George Asmus and Mr. and Mrs. Frank Ayres of this city entertained Mr. and Mrs. Frank Traendly of New York at the Wayside Inn, Morton Grove, on August 25. Mr. Traendly and wife had made arrangements previously to return to New York on the 5:40 train over the Michigan Central but they were having such an enjoyable time that it was nearly 5 p. m. before the party realized what time it really was. The majority of the party thought it was out of the question to attempt to make that train but Mr. McKellar came to the rescue by giving the New Yorkers one of the fastest auto rides they ever experienced and landing them safely at the depot barely in time to catch their train. Fortunately the officers were not on the alert, otherwise one of the prominent local wholesale men would have been arrested for exceeding the speed limit. Figure out the distance to Morton Grove and the time needed to make the 5:40 train and you have the guilty party.

Wieter Bros. are receiving an enormous supply of roses and some very choice American Beauty, Killarney, White Killarney and Richmond are now obtainable at this establishment.

This firm will have a large supply of chrysanthemums this fall for the plants are in grand shape and promise large crops.

Arthur Peterson of Escanaba, Mich., entertained Mrs. Kuhn and her daughter Frances of New York in this city this week. Arthur's friends do not like to tell any tales out of school but they say that he is likely to be a benedict very soon. Oh, you wedding bells!

Mrs. A. Kindler is very well pleased with the results of the Raedlein Basket Co.'s exhibit at the S. A. F. convention and says that her firm will be busy packing baskets for several weeks to fill the orders that were taken at the Coliseum.

L. Hoeckner, the Clybourne avenue florist, delivered several large funeral designs to the Goldman residence on August 26 when the funeral of E. G. Goldman, vice-president of Riverview Park, was held.

H. W. Koerner of Milwaukee cordially invites all the local growers to attend the Western Dahlia and Gladiolus Association's show at the Wisconsin state fair in the Cream City in September.

Arthur Pisternik, with Bassett & Washburn, has returned from his vacation and John Horstman of the same firm leaves this week to enjoy a well earned rest.

John Kruchten says that the gardenia supply still is very short but that his grower's plants are looking fine and will be in crop soon.

E. R. Tauch has returned to his home in Marquette, Mich., after having had a real good time at the convention.

Hoerber Bros. are featuring a very fine grade of My Maryland roses at their store this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

LARGE SUPPLY

of all kinds of seasonable stock, particularly

EXTRA FANCY ROSES

American Beauty, Killarney, White Killarney,
Richmond, Melody, Mrs. Taft, and
Mrs. Aaron Ward.

Also

Gladioli, White Orchids, White and Yellow
Chrysanthemums and Asters.

ALL FINE STOCK---SO ORDER OF US.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.		KILLARNEY, Specials	
Specials		\$3.00		Long	\$10.00
30 to 36-inch		2.50		Medium	8.00
24-inch		2.00		Good Short	6.00
18 to 20-inch		1.50			\$3.00 to 4.00
Short stem		per 100 \$4.00 to 8.00		WHITE KILLARNEY, Specials	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.		Per 100		Long	\$10.00
Long		\$8.00 to \$10.00		Medium	8.00
Medium		6.00		Good Short	6.00
Short		\$3.00 to 4.00			4.00
MELODY, long		8.00 to 10.00		ASTERS	
Medium		6.00			\$1.00 to 4.00
Short		3.00 to 4.00		CHRYSANTHEMUMS, White and yellow, per doz.	
MRS. AARON WARD.				GLADIOLI	2.00 to 3.00
Fancy Long		\$8.00 to 10.00		ORCHIDS, white dendrobium	1.50 to 4.00
Medium		6.00		EASTER LILIES	6.00
Short		3.00 to 4.00		VALLEY	12.00
LADY HILLINGDON, long		\$8.00 to 10.00		DAISIES, Shasta	3.00 to 4.00
Medium		6.00		ADIANTUM CROWEANUM	1.50
Short		3.00 to 4.00		SMILAX, per doz.	1.00
RICHMOND, Specials				SPRENGERI, PLUMOSUS SPRAYS	1.50
Fancy		8.00		PLUMOSUS STRINGS, extra long and heavy	\$3.00 to 4.00
Medium		6.00		PLUMOSUS, strong, long, medium	each .60
Good Short		3.00		FERNS	per 1,000 .45
				GALAX	per 1,000 1.50
				LEUCOTHOE	per 1,000 1.25
					per 100 .75

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

	Per Dozen		Per Dozen
60-inch stems.....	\$3.00	24-inch stems.....	\$1.25
48-inch stems.....	2.50	20-inch stems.....	1.00
36-inch stems.....	2.00	16-inch stems.....	.75
30-inch stems.....	1.50	Short Stems.....	.50

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine, Fancy, 24-inch stems.....	\$6.00
Good, 15.....	4.00
Short.....	3.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

Fancy.....	\$7.00
Good.....	6.00
Short.....	4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$1.50
Fancy.....	1.25
Good.....	1.00

HARRISII.....8.00 to 10.00

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The master mason degree was conferred upon Wilder S. Deamud, Friday, August 23, in Landmark Lodge, No. 422, by his grandfather, H. H. Wilder, who is master mechanic of the south park system. Mr. Wilder was made a mason in Landmark Lodge and in 1887 was worshipful master. This is the first time he has conferred the master mason degree since leaving the chair. After work on the six candidates had been done all the chairs were filled by past masters. Wilder Deamud was a little over 21 years of age when the degree was conferred and is some day likely to hold the same position in Landmark Lodge that his grandfather once held.

Tim Matchen says that the stock in Peter Reinberg's greenhouses is in excellent shape and that all the visitors to the convention who visited his firm's large range were agreeably surprised and well repaid for their visit. Mr. Matchen has been feeling pretty lame since the ball game at the convention and says that never again will he fall for the lure of the diamond. Just let another convention come to this city and it's dollars to doughnuts he will be Johnny on the spot.

Poehlmann Bros. Co. is cutting a large supply of all kinds of roses and other seasonable stock and particularly noticeable at the store this week are a fine grade of Smith's Advance chrysanthemums and some white orchids. The supply department is well stocked up and fall orders are coming in very freely.

Fred Lautenschlager, Kroeschell Bros. Co.'s boiler man, is always on the job and his latest stunt was to sell a boiler during the exciting baseball game at Ravinia Park last Friday, August 24. The buyer must have been a visitor who was pleased to see the S. A. F. All Stars win.

J. F. Kidwell says that trade is

pretty fair at the Chicago Flower Growers' Association's store considering the present market conditions. Mr. Kidwell like several other wholesale men, thinks that the aster is a thing of the past and ought to be discarded.

A. L. Vaughan & Co. are making preparations for a busy season and the outlook is very bright for a record fall. W. E. Lynch, the well known wholesale man, is now with this firm and extends a cordial invitation to his many friends to pay him a visit.

R. E. Jones with the Advance Co., has returned to his home in Richmond, Ind., after a most enjoyable visit at the convention. Mr. Jones has the honor of being the youngest life member in the Society of American Florists.

U. J. Virgin, wife and daughter, left for their home in New Orleans on August 26, after a most enjoyable visit in this city. Mr. Virgin is one of the best known florists in the south and has a great many friends in this vicinity.

A. T. Pyfer says that the Chicago Carnation Co. is all through planting at their greenhouses in Joliet and everything for fall is well under way. His firm's new carnation, Herald, is doing fine and promises to be a winner.

A. B. Bonballet & Co. of Wichita, are shipping an exceptionally fine grade of gladioli to the E. C. Amling Co. A. B. Bonballet & Co. grow gladioli very extensively and are now trying out 60 new varieties.

John Evans' local friends were pleased to see him able to be about at the S. A. F. convention and to hear that he has fully recovered from his recent mishap.

J. A. Budlong is still supplying his customers with a fancy grade of lily

of the valley and is also well fixed on all leading varieties of roses.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, Thursday, September 5.

Zech & Mann are showing an unusually fine line of stock with roses and lilies showing up exceptionally fine.

Fred Krauss, with the E. F. Winter-son Co., is spending his vacation with friends in Michigan.

Louis Wittbold is suffering considerably from a severe attack of hay fever.

Cleveland.

DEMAND IS INCREASING.

The week ended with a growing demand and a healthy increase in sales of cut flowers. Stock of all kinds keeps coming in increased quantity and the quality is generally good. Valley is again more plentiful and the stock is exceptionally fine. Virginia heather salpiglossis and delphinia is good stock with a fair demand. Asters are sold in large quantities but at low prices. Gladioli too are cheap, considering quality offered. Roses are in excellent condition. Southern wild smilax can be had for decorations in limited quantities now. Easter lilies are good and are in good demand.

C. T. B.

FULTON, ILL.—John E. Kirman has placed an order for material for a new greenhouse, 40x150 feet.

EAST LIVERPOOL, O.—John E. Colton has disposed of his interests in the Colton Greenhouse Co.'s plant at Newell and is now operating from his own greenhouse in Chester, which was formerly occupied by Robert McElravy.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

All the visitors to the S. A. F. Convention who visited our establishment were most agreeably surprised to find all our stock in such splendid condition and went away well satisfied that our stock is equal to best grown and that for quality we are second to none in this country. You should place a standing order with us immediately.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland....		

Mrs Aaron Ward	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise.....	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations		1 50
Harrisii	per dozen.	1 25
Valley		3 00 to 4 00
Asters		1 00 to 2 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50

"The Busiest House in Chicago."

ASTERS

Fine large blooms of the best quality and varieties.

LILIES

Extra fancy blooms that equal winter grown stock.

**All Stock
billed out
at Lowest
Market
Prices.**

ROSES

Plenty of all grades and varieties.

GLADIOLI

Large spikes on long stems, with clean foliage.

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Cincinnati.

GENERAL CONDITIONS FAIR.

"Fair" expresses in a word the general condition of last week's market. The demand kept up fairly well but the supply was almost too great. The demand was both local and from out of town. Asters proved the best seller the entire week. Many more good white ones might have been used the first days, while toward the end of the week there were barely enough of them. Of the other colors there was just about a sufficiency. This flower alone realizes its natural price. Roses did not seem to enjoy the usual strong call they generally receive. Only the

best ones sold well. Medium grades moved slowly and short not at all, even at sacrifice prices. American Beauties continued to sell but some days even they were not cleaned up. The Giganteum continues to realize a fair price owing to the average shortness of the cut. They are of good quality. Gladioli, that is the good ones, sell, but at very low prices. The green goods line is amply supplied but ferns alone sell quickly.

NOTES.

C. E. Critchell went east from Chicago. He will take a trip up the St. Lawrence river and on the Great Lakes and return through Michigan. According to present plans he will re-

turn to this city in about a month.

Jos. Beran of the J. W. McCullough Son's Co. stopped at New Castle, Ind., on his way home from Chicago.

The Hill-Heller Co. is rapidly getting its fixtures in place and will soon be ready to open its new store.

The Cincinnati Cut Flower Exchange had quite a run on fine asters last week.

Mrs. Jos. Volz passed away at her home in Cheviot on Saturday.

Wm. Gear has gone to the Chemeaux Islands.

Visitors: Harry Papworth, New Orleans, La.; John F. and Jas. P. Keller, Lexington, Ky.; Henry Greve, of the Dallas Floral Co., Dallas, Tex. H.

Beauties, Roses,

ASTERS, GLADIOLI

and All Other Seasonable Stock.

VERY GOOD QUALITY

for this season, and extra good for shipping orders.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)

PHONES

Central 2571-2572
Automatic 48-734

CHICAGO

St. Louis.

BUSINESS STILL DULL.

Extremely warm weather still prevails and trade is duller than ever. Large quantities of flowers are coming in. The wholesalers hold out special inducements to purchasers in big lots, anything to escape the dump pile. Tuberoses, asters and roses are especially plentiful. American Beauty roses are coming in in increased supply but their keeping qualities are poor. With theater and school openings within two weeks the market will show a more normal condition. There is very little demand for gladioli.

NOTES.

Julius Koenig, our city forester, has returned from his vacation. He visited New York, New Jersey and Washington. Mr. Koenig said that he found St. Louis in the matter of street trees as well up as any city he visited. He strongly advocates the planting of red oaks on our streets. They are especially free from bugs and need less pruning than the present varieties used here, which are mostly sycamore and maple.

At H. G. Berning's large quantities of flowers were seen but the staff, Otto Berning, Herman Niehaus and Arthur Kring, have a knack of cleaning out somehow.

Miss Matilda Waldman, who has now entire charge of her father's store, expects an increased business this fall. She has a fine location and a fast growing trade.

Andrew Meyer, Sr., was a visitor to the market again this week, having charge of his son's store while he attended the convention. He reports good business.

Some of the finest asters seen here were at George Angermueller's during the past week. Fred Alves and Al Gumz are in charge of the store and are hustlers.

Many of the visitors have returned and speak highly of the liberality and good treatment shown by their Chicago brothers during the past week.

L. H. Archias, of Sedalia, Mo., accompanied by his wife and daughter, stayed over Saturday in St. Louis and took in the sights.

Nathaniel Kingsley, of the Mullanphy Flower Co., has Wm. Seeger's work to do as well as his own. Mr. Seeger being in Chicago.

Ed. Loyet is going to handle an increased supply of goldfish at his store. He has built a new and very pretty aquarium.

George Schriever, of C. A. Kuehn's, has his hands full during the absence of the boss, who is in Chicago.

Louis A. Giger, of Council Bluffs, Ia., passed through here on his way home from the convention.

Advices received from Alex Siegel, at Mackinac, Mich., report fine weather and a good time.

Frank and George Windler speak highly of Chicago and enjoyed their visit very much.

Wm. S. Smith has returned from his vacation. W. F.

St. Paul.

TRADE EXTREMELY DULL.

Business the last week has been extremely dull and with all kinds of outside stock coming in in such an abundance a slump in most of the outside flowers is the result. Gladioli, asters, sweet peas and dahlias are coming in in the best of shape but the demand is poor. Inside stock is also moving slowly.

NOTES.

The Minnesota state fair board offers this season \$1,853 in premiums for plants and cut flowers and the St. Paul florists no doubt will be represented as exhibitors. Decorative plants and cut flowers will be staged and on the different days baskets, table decorations, wreaths and panels will be exhibited. Gus Malmquist of Minneapolis has charge of the staging of exhibits. The state fair board have this season beautified their grounds with more bedding stock than in the past. G. Rudolph has charge of the landscaping and bedding and he has carried out some exceptionally fine bedding schemes which will be in fine shape by fair week, September 2-7.

J. Christensen is cutting a fine lot of the new Sunburst rose. The blooms are in fine shape and he experiences no trouble in disposing of them. He has one house planted to Sunbursts and from all indications will cut a good many this season.

The publicity committee of the flower show is using the stationery of the different business houses for advertising the exhibition. The committee prints on the envelopes in large red letters the words: "Boost the Flower Show."

E. W. Reed of the Holm & Olson's landscape department, accompanied by a crew of men, left last week for Glacier Park, Montana, where they will lay out the Great Northern Railway Co.'s grounds.

The St. Paul florists who returned from the Chicago convention are all

on the job again and all are well pleased with their trip.

C. Bussjaeger, the Dale street florist, had the misfortune to break his arm. He will no doubt be laid up for a month or more.

C. N. Hanson is cutting a fine lot of Killarney roses these days, but he says he finds an exceptionally poor market.

The St. Paul Floral Co. is busy remodeling and getting its place shaped up for the coming season.

Victor Huot, of Duluth, spent a few days in St. Paul last week on his way to Montana. C. F.

New Castle, Pa.

New Castle, located in the midst of a rich agricultural region, has in recent years greatly increased in prosperity on account of the location here of a great tin plate industry. As a result business in general is in a flourishing condition and the florists are prosperous. In addition to the regular florists there are several large growers of vegetables under glass.

Butz Bros. have a good store, 35,000 square feet of glass and several acres in asters, gladioli, cannas and other stock. They have had a great cut of asters and have been shipping to Cleveland, O., Pittsburg and other cities. On account of the smoke and dust from factories near their range, they have given up rose growing and will use the space for carnations, pot stock and chrysanthemums.

Members of the Wemschenck family have gone into vegetable growing on a large scale. W. H. Wemschenck has one vegetable house 120x600 feet and another 90x226, besides several smaller houses.

J. J. Beck's range being some distance from town and further away from the factories, he continues to grow roses and a variety of other stock, having also a retail store in town.

The John C. Moninger Co. of Chicago is now erecting two houses for another firm, Wemschenck & George, which will have an aggregate glass area of nearly 40,000 square feet.

J. S. Hennon & Son have greenhouses at Waupum, with a good retail store in New Castle, which is well managed by C. E. McGrath, formerly with Butz Bros.

The Fischer range has been bought by Peterson & Engstrom, who also grow vegetables. The Fischer Bros. now devote all their attention to their retail store.

C. J. Witz & Sons have also an extensive range where both vegetables and flowering plants are grown.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres.
G. C. WEILAND, Sec'y.

LARGE SUPPLY

of all kinds of

SEASONABLE STOCK

PARTICULARLY

**Roses,
Lilies,
Gladioli
and Asters**

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	.....
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Asters.....	3.00	2.00	1.00	.....	.....	.....	.....
Carnations.....	2.00	1.50	1.00	.....	.....	.....	.....
Easter Lilies.....	10.00	8.00	6.00	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	40.00	.....	.....	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....	.....	.....
Daisies.....	1.00	.75	.....	.....	.....	.....	.....
Auratum Lilies.....	8.00	6.00	.....	.....	.....	.....	.....
Gladioli.....	6.00	4.00	3.00	.....	.....	.....	.....
Asparagus Plumosus Sprays.....	4.00	3.00	.....	.....	.....	.....	.....
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00	.....	.....	.....	.....
Smilax.....	20.00	15.00	.....	.....	.....	.....	.....
Adiantums.....	1.00	.75	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	2.00	1.50	.....	.....	.....	.....	.....

—Send Your Orders for Summer Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

San Francisco.

DEMAND GROWING.

Conditions have materially changed during the last week for both supply and demand. The short period intervening before the opening of school has caused the return to the city of many pleasure seekers, resulting in a stiffened demand, which at present is more noticeable at the downtown shops but will shortly extend throughout the trade. There is a demand for flowering plants and very few to be obtained. *Hydrangea paniculata* has all cleaned up on sight. The E. James Co. is sending in some nice *Bostons* that are selling quite well; a lot of dwarfed *Retinospora obtusa*, one foot tall, cleaned up readily for \$2.50 each retail. *Cattleya dowiana* is established a favorite with many discriminating patrons. This handsome variety, being a distinct break in color from the usual commercial kinds, is often effective where the purple tones would not harmonize. Good roses of any kind are scarce, American Beauties, rather poor, moving at \$1.50 a dozen; Ulrich Bruner has jumped to \$1 and \$1.50 a dozen for best; Killarneys and My Maryland have advanced in price but not in quality. These with a few Richmond bring 25 to 50 cents a dozen, according to grade. Cecil Bruner goes at 8 bunches for a dollar. Aaron Ward is in demand but very scarce. Cat-

tleys are coming in slowly, barely enough for the call; carnations are also coming in and are poor when they do. A limited number of mums are arriving, mostly *Monrovia*, bringing \$2 per dozen. *Lilium giganteum* is not marketed but may be had from Pelicano at \$1.50 a dozen stems. Valley is good at \$1 for three dozen; *Amaryllis belladonna* is plentiful, the demand light, as blooms minus foliage do not sell well. The deluge of asters maintained over two weeks ended suddenly with a jump to 25 cents per dozen for choice, prices to correspond for inferior. Gladioli remain steady. A few sweet peas are to be had at 75 cents a dozen bunches, the same rate cleaning up every violet that shows. Green goods are plentiful.

NOTES.

The trade in general is taking an active interest in the fall show to be given at the Fairmont by the Pacific Coast Horticultural Society October 23-26. While there is some complaint that the fair commission is dilatory in starting the actual construction of the fair, it is a pleasure to note that there is nothing slow about the landscape department. Under the able supervision of Superintendent of Parks John McLaren, landscape engineer of the exposition, many thousands of sturdy young trees and shrubs are growing vigorously in the temporary nursery,

shortly to be moved to the exposition nursery, which covers some 30 acres in the Presidio Reservation. An extensive range of glass will shortly be built on this plat, which is all piped, fenced and ready for occupancy. A gang of expert tree lifters is constantly engaged lifting and boxing for removal large palms, conifers, shrubs, etc., many of them weighing from 2 to 5 tons each.

The tone of letters and postals arriving from H. Plath, D. MacRorie and Aug. J. Rossi would indicate these merry travelers are having a superb time at the various points of interest on their eastern trip. The heartiest and best wishes of the trade is extended to them.

T.

Beaver Falls, Pa.

J. J. Bolton is busy and takes a cheerful view of life. He has about 18,000 square feet of glass and a good business.

W. S. Kidd's activities are divided, like ancient Gaul, into three parts. He has a store at Beaver Falls and one at New Brighton, with greenhouses at Beaver.

ATHENS, GA.—S. M. Cruce, who recently established a modern greenhouse here, has instituted a contest to select an appropriate name for the place.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers
and Greens

Gardenias a Specialty

A Trial Order Solicited

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

Large Supply

Fancy Asters
and Gladioli

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Pittsburg.

BUSINESS DULL.

The business of the past week was as good as was expected, for nobody was expecting much. Funeral work and the seasonable quota of bouquets or bunches comprised most of the trade. The season is now at hand when the thrifty suburban housewife goes into her garden, gathers a lot of old-fashioned flowers, makes them up into cheap bunches and brings them into the market places and sells them to the discomfiture of the store men. The people who comprise the greater part of Pittsburg's summer population seem to prefer garden to greenhouse stock. Of gladioli and asters there seems no end, particularly the gladioli. The stores have used them for display purposes with good effect. The large and long stemmed asters are now at their best and they fill a large place since the carnations disappeared. There are good greenhouse roses on the market, but with the average customer their demand is limited. A few chrysanthemums have appeared but they are not factors in the market. Liliun auratum and rubrum, grown outside, are plentiful.

NOTES.

On a recent visit to the greenhouses of Mrs. E. A. Williams we noticed a fine stock of Cibotium ferns. There is one house full of them in pots ranging from 8 to 12 inches. A great stock of poinsettias is also coming on at this range. There is a good stock of Boston and Amerpholia ferns and many of the smaller table ferns. Palms are kept to supply the needs of the extensive decorating business done from Mrs. Williams' Pennsylvania street store.

The Pittsburg Cut Flower Co. has been receiving fine roses from its Bakerstown range during the past week. Treasurer Clarke of this firm has returned from his vacation and is again working among the boys with his sleeves rolled up.

E. C. Ludwig and family have reached home after attending the S. A. F. convention. Edward Ludwig brought with him the splendid Wittbold cup, which he won with other prizes in the athletic contests.

In going over the hills and vales of Pittsburg one comes on small greenhouses in unexpected places. Among these is that of A. M. Sturchell of Homewood, who does a good business in plants.

Emil Schloss, of Schloss Bros., New York, is in the city on his way home from the convention and is improving the opportunity by taking a lot of orders for his fine line of ribbons.

Louis Hahn, who has over 10,000 feet of glass at Westview and who has been a vegetable grower, has taken up the culture of flowering plants.

The Pittsburg Tree, Hardy Flower and Plant Co. has now a fine location at 537 Penn avenue and is making active preparations for fall business.

Faulk Bros. of the Allegheny Market do a large business in funeral work and their large stand is always attractive with good fresh flowers.

On account of the unseasonably cool nights some rose growers who have not had heat are fighting mildew.

J. A. Muller, representing the Julius Roehrs Co., Rutherford, N. J., also visited this city the first of this week.

A noteworthy feature at the greenhouses of the Blind Floral Co. is their stock of crotons.

Edward McCallum has returned from his vacation and is hard at work.

All are well pleased with the results of the convention.

Washington.

BIG FUNERAL ORDERS.

The florists of this city were taxed to the limit August 24 for the funeral of the late Thos. Noyes, president of the Washington baseball club. J. H. Small & Sons had the family order for a casket cover of valley and orchids, and several other large designs. Gude Bros. had the largest orders for funeral work they have experienced for some time. They had the orders from the baseball clubs of the country. Some of the largest were Shrine emblems from fellow lodge members, a wreath from the National Baseball Commission, and wreaths and other designs from baseball clubs and owners, as well as from other friends.

Mrs. Fowler has installed an auto delivery wagon. She says it saves her four hours on the road. G. C. D.

Braddock, Pa.

Drewes, the Florist, has a good store in a first class location at Sixth street and Braddock avenue. He is very business-like in his methods and has a fine trade.

Towns (or boroughs) are so thick in this region that it is sometimes hard to define the lines. We believe that Edward Frederick is nearer to Homestead than to Braddock, his address being Lincoln place. He has 25,000 square feet of glass and grows many plants.

Arthur James of East Liberty, Pittsburg, who formerly had a store here, has sold it to H. C. Buchler, former manager of the South View Floral Co. of Pittsburg and Carrick.

Mrs. Hannah Porter is located at North Braddock and has a thriving business.

David Kelly has a limited glass area but does considerable garden work.

Nassau County Horticultural Society.

The monthly meeting of this society was held at Glen Cove on August 14, President J. F. Johnston in the chair. H. Ortiz, Glen Cove, was elected an honorary member. The judges of the evening's exhibits were Mackenzie, Gilder and Marshall, and the awards were as follows: One vase asters, mixed, George Barton, first; muskmelon and six ears of corn, J. W. Everatt, first; twelve vases of asters, certificate of culture to H. Boettcher; vase of Lycoris squamigeri, certificate of culture to J. W. Everatt; honorary mention to Frank Petroccia and J. Marmalote for tomatoes; honorary mention to J. Marmalote for two cucumbers. It was decided to hold the annual summer outing at Karatsonyi's, Glenwood, on August 27. Prizes are offered at the next meeting for twelve gladioli, six onions and three heads of celery.

JAMES MACDONALD,
Cor. Sec'y.

WOOSTER, O.—The Ohio State Horticultural Society met here August 16.

HARTSDALE, N. Y.—This town's second annual flower show will be held September 6-7.

PITTSBURG, PA.—Julius Solteis of 5206 Dresden avenue is believed to be dead as his whereabouts, if he is living, are unknown.

LYONS, N. Y.—James P. Boyle has returned to 41 Catherine street and will rebuild and modernize the greenhouse located there.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

Percy Jones

56 E. Randolph St., CHICAGO

HOERBER BROS

Wholesale Cut Flowers
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Railway Gardening Association.

The sixth annual meeting of the Railway Gardening Association opened at Roanoke, Va., at 10 a. m., Tuesday, August 13, President Foy in the chair. F. H. La Baume, agricultural and industrial agent of the N. & W. railway, welcomed the guests on behalf of his company. Mayor S. P. Sifert represented the city, W. L. Shaffer, the chamber of commerce, and Mrs. F. E. Brown the Women's Civic Betterment Club. Geo. B. Moulder responded. The afternoon and evening sessions were devoted to the reading and discussion of papers in line with the work of the organization.

Some minor amendments to the constitution and by-laws were adopted. According to one of the amendments passed the president, secretary and treasurer shall each hold office for one year. The term of one vice-president shall expire each year and his successor be elected for four years. The election of officers resulted as follows: C. H. Tritschler, Nashville, Tenn., president; John Gipner, Niles, Mich., vice-president for four-year term; John Rinck, New Orleans, La., vice-president for three-year term; C. J. Andrews, Morton, Pa., vice-president for two-year term; R. D. Prettie, Winnipeg, Man., Can., vice-president for one-year term; W. F. Hutchinson, Sewickley, Pa., secretary; J. K. Wingert, Chambersburg, Pa., treasurer.

There were 75 or 80 present and the meeting was highly successful. While the members were busy with convention matters Tuesday, the ladies were given a reception at the club room in Elmwood Park. Wednesday there was an auto ride over the city and on Thursday the visitors made a trip over the Shenandoah Valley division of the N. & W. The secretary's report showed an increase in membership to 86, a total of 97 with the 11 associate members. The report of the treasurer showed the society to be in fair condition financially.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE

Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Aug. 28.	Per doz.
Roses, Beauty, specials.....	3 00
" 36-in.....	2 50
" 30-in.....	2 00
" 24-in.....	1 50
" 15-20-in.....	1 25
" 12-in.....	75@ 1 00
" Short.....	4 00@ 8 00
Killarney.....	3 00@10 00
White Killarney.....	3 00@10 00
Richmond.....	3 00@10 00
Prince de Bulgarie.....	3 00@10 00
Radiance.....	3 00@10 00
Mrs. Aaron Ward.....	3 00@10 00
My Maryland.....	3 00@10 00
Melody.....	3 00@10 00
Bride.....	3 00@10 00
Bridesmaid.....	3 00@10 00
Mrs. Jardine.....	3 00@10 00
Kaiserin Augusta Victoria..	3 00@10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, doz., 2 00@3 00	
Asters.....	1 00@ 4 00
Orchids Dendrobium, per doz., 6 00	
Daisies.....	75
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Lilium Harrisii, per doz., 1 50	8 00@10 00
Stocks fancy, per doz., 50@ 1 00	
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.	1 50
Galax.....	1 25
Leucothoe.....	75
Plumousus String..... each.	60
Smilax..... per doz., 1 50@2 00	
Sprenger, Plumousus Sprays.....	3 00@ 4 00

WIETOR BROS.

Wholesale Cut Flowers
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.



C. C. POLLWORTH CO.

Advise Planting Formosa Lilies now.
Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Albany, N. Y.

SIXTH ANNUAL CLAMBAKE.

Fifty-four persons were in attendance at the sixth annual clambake of the Albany Florists' Club at the Abbey, Glenmont, on Saturday afternoon, August 24. The day was beautiful and the surroundings all that could be desired. Under the direction of the committee, Louis H. Schaefer, chairman, all the details went off in a manner most pleasing. Henry Parr and son George, managers of the Abbey, provided facilities for entertainment in the way of automobile track, merry-go-round, baseball grounds, etc., all of which were enjoyed by those so inclined. The bake was indeed an enjoyable affair.

NOTES.

At the flower show of the Lenox Horticultural Society of Lenox, Mass., last week Carlos Deheredia, formerly known as Count Carlos De Heredia, of Spain, captured the gold medal offered for vegetables. He showed a magnificent array of 22 different kinds. Allan J. Jenkins, superintendent for S. P. Shotter, Shadowbrook Farm, and Mrs. Robert Winthrop and the Elm Court farm were awarded prizes for annuals and perennials.

Henkes Brothers, Newtonville, are about to break ground for two houses, King construction, 28x75 feet, for Easter stock. It is expected that they will be completed in October.

R. D.

GLEN COVE, L. I.—The Nassau County Horticultural Society is considering the question of changing the flower shows which have been held here for many years to Mineola.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Aug. 28.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Gladioli.....	1 00@ 3 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	50
Swainsona.....	per bunch, 25
Asparagus.....	per string, 50
" Sprenger, per bunch.....	25
Ferns, Fancy.....	per 1000, 1 50
Galax.....	per 1000, 1 50
Smilax.....	per doz., 1 50

PITTSBURGH, Aug. 28.	Per 100
Roses, Beauty, special.....	25 00
" " extra.....	12 00@25 00
" " No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprenger, per bunch.....	35@40
Sprays.....	per bunch, 35@40

PHILADELPHIA, Aug. 28.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" " first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Dahlias.....	2 00@ 3 00
Gardenias.....	per doz., 1 00@2 00
Gladioli.....	3 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 2 00
Marguerites.....	75@ 1 00
Snaptdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....	per bunch, 50
Smilax.....	15 00@2 00

HAMILTON, N. Y.—Clayton E. Risley has leased the Hamilton greenhouses of Mrs. D. M. Fairchild. Albertus Starr retires from the management.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing.

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH.

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Mention the American Florist when writing.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing.

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,
Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO.

Mention the American Florist when writing.

BRONZE GALAX

\$7.50 per Case

Large leaves, clean, no waste.

DAGGER FERNS

\$1.50 per 1000

\$1.25 per 1000 in case lots. 5-6000 ferns to a case.

SPHAGNUM MOSS,

6 Bbl. Bales, \$2.00.

Special price in quantity.

THE LEO NIESSEN CO., Wholesale Florists,
N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.****BRONZE GALAX**

Guaranteed to be the best stock.....\$5.00 per case; 5 or more cases, \$4.50 per case.

C. E. CRITCHELL, WHOLESALE COMMISSION FLORIST
34-36 E. Third Avenue **Cincinnati, Ohio****EASTER LILIES**All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio**Young Rose Stock**American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.Asparagus Plumosus Narus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000**W. H. ELLIOTT,** Brighton, Mass.**Welch Bros. Company,**

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens. American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.**Charles H. Tolly**

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my specialty.

**EVERYTHING
SEASONABLE****THE McCALLUM CO.,** Cleveland, Ohio
Pittsburg, Pa.**Wholesale Flower Markets**

St. Louis, Aug. 28,		Per 100.
Roses, Beauty, short stems.....	3 00@ 6 00	
" Killarney.....	2 00@ 4 00	
" My Maryland.....	3 00@ 5 00	
" White Killarney.....	2 00@ 6 00	
Asters.....	2 00@ 4 00	
Easter Lilies.....	8 00@10 00	
Gladioli.....	2 00@ 3 00	
Valley.....	3 00@ 4 00	
Asparagus Sprengerii.....	2 00@ 3 00	
Asparagus Plumosus, per bu., 35@60		
Ferns, New, Fancy.....	1 50	
Lilium Rubrum.....	5 00@ 6 00	

CINCINNATI, Aug. 28,

Roses, Beauty..... per doz., 50@ 3 00		Per 100
" Bride, Bridesmaid.....	2 00@ 8 00	
" Killarney.....	2 00@ 8 00	
" My Maryland.....	2 00@ 8 00	
" Perle.....	2 00@ 8 00	
" Richmond.....	2 00@ 8 00	
" Taft.....	2 00@ 8 00	
Asters.....	1 00@ 3 00	
Lilium Auratum.....	8 00@12 50	
Lilium Giganteum.....	8 00@10 00	
Gladioli.....	2 00@ 4 00	
Lily of the Valley.....	3 00@ 4 00	
Adiantum.....	1 00	
Asparagus Plumosus..... per bunch,	25	
Asparagus Sprengerii..... per bunch,	25	

Wholesale Flower Markets

BUFFALO, Aug. 28,		Per 100
Roses, Beauty, special.....	20 00@25 00	
" " fancy.....	15 00@20 00	
" " extra.....	12 00@15 00	
" " No. 1.....	6 00@10 00	
" " No. 2.....	2 00@ 4 00	
Maid and Bride.....	3 00@ 6 00	
Pink Killarney.....	3 00@ 6 00	
White Killarney.....	3 00@ 6 00	
Richmond.....	3 00@ 8 00	
My Maryland.....	3 00@ 6 00	
Kaiserin.....	3 00@ 8 00	
Carnot.....	3 00@ 7 00	
Carnations.....	1 00@ 2 00	
Cornflowers..... per bu., 4@6c		
Asters.....	50@ 2 00	
Gladioli.....	2 00@ 4 00	
Lilium Longiflorum.....	7 00@10 00	
Lily of the Valley.....	3 00@ 4 00	
Pink Japan Lily.....	3 00@ 4 00	
Snappdragons.....	1 00@ 1 50	
Swainsona.....	50@ 1 00	
Sweet Peas..... per bu., 4@6c		
Adiantum Croweanum.....	75@ 1 50	
Asparagus, per bunch..... 35@ 50		
Asparagus, Sprengerii..... 35@ 50		
Ferns..... per 1000, \$1 50		
Galax..... per 1000, \$1 50		
Smilax.....	15 00	

BOSTON, Aug. 28,		Per 100
Roses, Beauty, best.....	20 00@25 00	
" " medium.....	12 00@20 00	
" " culls.....	50@ 1 00	
" " Bride, Bridesmaid.....	1 00@ 6 00	
" " Extra.....	1 00@ 6 00	
" " Killarney and Richmond.....	2 00@ 8 00	
" " My Maryland.....	2 00@ 8 00	
" " Carnot.....	6 00@ 8 00	
Carnations, select.....	1 50@ 2 00	
Callas.....	8 00@12 00	
Cattleyas.....	50 00@60 00	
Gardenias.....	8 00@10 00	
Lilium Longiflorum.....	6 00@ 8 00	
Lily of the Valley.....	2 00@ 4 00	
Sweet Peas.....	25@ 35	
Smilax.....	12 00@16 00	

ROME, N. Y.—W. T. Hughes is
building a new greenhouse, 20x140
feet, as well as remodeling two of his
old houses.Give Us a
Trial
We Can
Please You.Roses, Carnations and all kinds of
Seasonable Flowers in Stock.**WM. F. KASTING CO.** Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.**Fresh Cut Valley**

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.**Columbus, Ohio****Pittsburgh Cut Flower
Company**

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

New York.

SUPPLY GREATLY EXCEEDS DEMAND.

The conditions in the wholesale cut flower market could hardly be worse than they are at present. The supply of most everything far exceeds the demand. Outdoor flowers especially are arriving in great quantities. Most in evidence are gladioli, asters and hydrangeas, which have to be disposed of at extremely low prices. Roses of the new crop are arriving in great number and as the bulk of these shipments are short stemmed and poor quality they have to be disposed of quickly by the box. As many of the growers have planted Sunburst, Lady Hillingdon, Bulgarie and Aaron Ward, the supply of these varieties is such at present that they do not sell for more than the standard kinds, and the outlook is that the coming season will see a sufficient supply of these newer varieties of roses to satisfy all demands. The supply of American Beauties is increasing and the quality is good, but the prices obtained are lower than previous quotations. There is a sufficient supply of lily of the valley to meet all calls. Orchids are scarce, in fact very few are on the market, which tends to keep prices for these up to top notch figures.

NOTES.

The visitors to the Chicago convention are returning in parties of three or four, and all those who have got back are enthusiastic about the kind treatment and entertainment provided for them by the Chicago Florists' Club.

Wertheimer Bros. are much elated because of the many awards they received at the convention; also because of the large business they booked there.

Frank H. Traendly and Mrs. Traendly stopped off at Buffalo to be the guests of Wm. F. Kasting for a few days.

Jonathan Nash, of Moore, Hentz & Nash, with Mrs. Nash is spending his vacation at Sea Cliff, L. I.

A. T. Bunyard reports business at his Newport, R. I., branch as far exceeding his expectation.

E. Bonnot and Mrs. Bonnot, of Jersey City, arrived from Europe Friday on the Mauretania.

John R. Weir and Mrs. Weir are at Bradley Beach, N. J., the guests of Joseph S. Fenrich.

P. O'Mara and party are returning by way of the Great Lakes.

E. C. Horan is spending his vacation at Lake George, N. Y.

Philadelphia.

TRADE VERY QUIET.

Rah! Rah! Rah! for Chicago. The brethren there were alive to the occasion and the visitors never had a dull moment. The exhibition was great, this city as usual taking up about half of the space—leave out the gladioli and greenhouse exhibits, and we believe this was the case. All reported good sales. There is little of an encouraging nature to be said of the business here. It has been very quiet indeed. The rose stock is improving, there being a better body to the flower and added length to the stems. Very fine double pink Killarneys are seen. Kaiserins are also much improved. The new crop of American Beauties are also offered. The asters look like a different flower, the recent rains doing them a world of good. Some of the best whites look like small chrysanthemums. Hydrangea Paniculata is handled in quantity and gladioli are so plentiful that only the best command any sort of a price. Mamman Cochet roses from out of doors are a welcome addition to the rose section. This outdoor summer rose makes a beautifully formed flow-

Asters! Asters! Asters!

GET THE BEST.

We make regular shipments to customers in the Middle, Central and New England States.

Firsts	\$1.00 per 100
Extras	1.50 per 100
Fancy	2.00 per 100
Special	\$2.00 to 3.00 per 100

GEO. B. HART,

WHOLESALE FLORIST,

24 to 30 Stone St., ROCHESTER, N. Y.

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Write for List and Reserve Your Order

P. H. GOODSSELL,

200 Broadway, New York City

J. J. HUNTER

Supt. of Sales Rooms and Warehouse

W. E. MAYNARD

157-159 William St., New York

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

er, being much larger than the greenhouse whites at this season.

NOTES.

Ravinia Park is a very pretty place, admirable for entertaining such a large crowd. Nobody from this city played in the ball game, which was a red hot contest. Bowling? Did anybody say bowling? Well, we were first anyway—from the bottom. The nearest Philadelphia got this year to the prizes was when Shober came in third in the race for men 200 or over and received \$5.

Raymond Kester, long the buyer for Pennock Bros., has resigned his position and gone west to open up a store in Indianapolis for the Hill, Lemon & Heller Co., which is starting a chain of stores for the sale of cut flowers at low prices. Mr. Kester is a bright young man and we wish him success.

Edward Reid and family spent one day at the convention, coming in on Thursday. From Chicago they went to visit relatives in Dakota.

Craig's new crotons, America, Canada and Mrs. Aug. Poehlmann, made quite a hit at the convention as did this firm's Ficus.

Dennis Connor had his hands full showing the fine points of the Foley flat rafter houses.

Reading, Pa.

John H. Giles is among the busiest of the growers. In addition to his extensive range and store, he now has a large nursery to look after. About a year ago he purchased forty acres of land at Sinking Spring, Pa., which is being rapidly transformed into a first class nursery, the product of which, in connection with his greenhouses, will enable him to supply practically everything that is needed in his large and increasing retail trade.

We regret to state that Mrs. Clara Blackman, who for twelve or fifteen years has conducted a retail store at 116 N. Ninth street, has been very ill for the past eight weeks. She has been removed to the country, where it is hoped that the change of air will cause improvement. During her illness the store is conducted by her son, Paul Blackman, Jr.

A noteworthy feature at Reading is the railroad gardening. The Reading Company has a "kitty" cornered piece of land near their station. It is surrounded by buildings, train-sheds, etc., and, possibly because it could not well be used in the interest of work-a-day ugliness, it has been landscaped and made into a beauty spot.

Like their brethren of the craft in other cities, the Reading florists are feeling the summer dullness, though it cannot be said that they are idle. Those who have greenhouses are repairing and making active preparations for another season.

Frederick Frank, who succeeded J. H. Anderson in the ownership of the Brookside greenhouses, has been building and repairing and is getting the range in good shape. His asters under glass are very fine.

G. W. Beears, formerly at 206 N. Ninth street, has taken a partner in the retail business and removed to 9 N. Second street. The new firm name is Beears & Palm.

J. C. Bauder is making great improvements in his greenhouses by tearing out old board benches and substituting concrete.

Herman Stabenow, formerly of Stabenow Bros., is improving his place and building up a good business.

Boston.

MARKET CONDITIONS POOR.

There is nothing worth mentioning in the flower line. Asters still dominate the market. Some of the late clip are certainly fine. There are some good roses coming in from young stock, and then there are some badly mildewed. Golden Glow mums are arriving. The demand is not up to the supply. Vacationists are returning home, and we hope next month that trade will again run in its usual channels.

NOTES.

Henry R. Comley, 6 Park street, has a sign in his window "Scotch Heather expected September 15." We may expect to see all patriotic Scotchmen blockading that street for a piece of the genuine flower.

The election of John Farquhar to the presidency of the S. A. F. brings to Boston another honor.

Those who have returned from the convention report a fine time and feel repaid for the trip.

John W. Duncan, of Spokane, Wash., attended the park superintendents' convention.

Carmichael of Wellesly has begun glazing his big King greenhouse.

MAC.

GREENVILLE, TEX.—E. D. Barlow is doubling the capacity of his greenhouse. When the building is finished he will have 5,000 square feet of glass.

QUINCY, ILL.—F. William Heckenkamp has opened a new floral shop and completed an addition to his greenhouses.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies

**Charles Millang**

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK.

Telephones: 7062-7063 Madison.

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere

Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664
1665 Madison Sq.

Consignments Solicited.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328. 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.**AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago****Wholesale Flower Markets**

	NEW YORK, Aug. 28,	Per 100
Roses, Beauty, special.....	15 00@	25 00
extra and fancy ..	8 00@	12 00
No. 1 and No. 2....	1 00@	6 00
Bride, Bridesmaid.....	3 00@	4 00
extra and fancy.....	50¢	2 00
No. 1 and No. 2.....	3 00@	5 00
Killarney, My Maryland..	2 00@	3 00
extra and fancy ..	50¢	2 00
No. 1 and No. 2 ..	50¢	2 00
Taft, Hillingdon, Aaron	50¢	5 00
Ward.....	50¢	2 00
Richmond.....	50¢	2 00
Asters.....	50¢	2 00
Carnations.....	50¢	2 00
Cattleyas.....	20 00@	50 00
Gardenias.....	8 00@	15 00
Lilies, Longiflorum and Harrisii..	4 00@	8 00
Lily of the Valley.....	1 00@	2 00
Adiantum Croweanum.....	15¢	25

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

1888

1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

THE HOUSE OF RICE

ONLY Florist Supply House to Receive a Certificate of MERIT at Chicago Convention

It's getting to be a habit with us. We feel that the Best is none too good for you or Us, that's why we score again and again.

Order today—your Florists' Supplies and Ribbons from the Progressive House.

27,000 square feet of space filled to overflowing with everything that's good in Up-to-the-minute Supplies and Ribbons.

Let's hear from you today.

M. RICE & CO., THE LEADING FLORISTS' SUPPLY HOUSE AND RIBBON SPECIALISTS
1220 Race St., PHILADELPHIA, PA.

HUCKLEBERRY IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone,

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.
Mention the American Florist when writing

Washington, Pa.

Richard Forrest, long a well known florist here, has turned over the business to his daughter, Mrs. Lloyd Swarthout, who has a good store at Main and Bean streets. James Brownlee, formerly of Kenilworth, Ill., took charge of the greenhouses for Mrs. Swarthout about a month ago and is getting them in good shape. Though Mr. Forrest claims that he has retired and that he is growing old, he is yet active and in good health.

Earl J. Sedman is now in charge of the store of Warrick Bros., and the Washington Floral Co., 25 North Main street. W. J. Warrick is also largely interested in the latter company. They are now planting a fine stock of carnations.

A. A. McGowen grows large quantities of bedding plants. He had between twelve and fifteen thousand geraniums this season, and other plants in proportion.

Murray C. King, formerly with the A. W. Smith Co., of Pittsburg, now has the retail store at 60 South Main street, formerly occupied by E. C. Dunn.

Edward Culberson has sold his interests here and removed to Oregon.

Reed, senior member of the Reed-Snee Co., of Claysville, has gone to Washington, D. C., and will continue his journey to the Chicago convention.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze Basket, \$2.25; 6 baskets \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger

Ferns, Bronze and

Green Galax, Holly,

Leucothoe Sprays,

Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

GRAND RAPIDS, MICH.—C. M. Norton has sold his greenhouses to J. Baker, who will make extensive improvements.

MILWAUKEE, ORE.—A new firm of wholesale and retail growers, known as Hendee & Schaumann, has been established here. The business of Hendee Bros. is not affected by the new company and will be run as heretofore.

We Are Now Booking Orders for

Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of quality and quantity.

E. FRIEDL, Phillips, Wis

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.
—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.
Mention the American Florist when writing

Terre Haute, Ind.

John G. Heini & Son,
129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail
Telephone, Telegraph and Cable orders with best
quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail. Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Slevens & Boland
FLORIST
60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail. Telephone and Telegraph orders filled
promptly for all occasions.

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
628 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK, EXCEPT AS NOTED.

September 1.
FROM MONTREAL, Sicilian, Allan.
Siddons, Lampert & Holt.
September 3.
Franconia, Cunard.
Nordam, Holland-Amer., 10 a. m.
Kaiser Wilhelm der Grosse, North Ger. Lloyd,
10 a. m.

September 4.
Campania, Cunard.
FROM BALTIMORE, Neckar, North Ger. Lloyd,
2 p. m.
Kaiser Franz Joseph, Austro-Amer., 1 p. m.

September 5.
Carpathia, Cunard.
La Lorraine, French, 10 a. m., Pier 57, North
River.
Cedric, White Star, 12 noon.
Cleveland, Ham.-Amer., 12 noon.
George Washington, North Ger. Lloyd, 10 a. m.
Venezia, Fabre, 3 p. m.
C. F. Tietgen, Scand.-Amer., 2 p. m.
Byron, Lampert & Holt, 9 a. m.

September 6.
FROM MONTREAL, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Allan.
Maracas, Trinidad, Pier 24, Brooklyn.

September 7.
California, Anchor, 2 p. m., Pier 64, North
River.
FROM MONTREAL AND QUEBEC, Scandinavian,
Allan.
Carmanlia, Cunard.
Niagara, French, Pier 57, North River.
St. Louis, American, 9:30 a. m., Pier 62, North
River.
Lapland, Red Star, 10 a. m., Pier 61, North
River.

FROM PHILADELPHIA, Dominion, American,
10 a. m.
Olympic, White Star, 2 p. m.
FROM MONTREAL, Teutonic, White Star, at
daylight.

Patricia, Ham.-Amer., 3 p. m.
Prinzess Irene, North Ger. Lloyd, 11 a. m.
Czar, Russian-American, 2 p. m.

September 8.
FROM MONTREAL, Scottish, Allan.
September 10.
FROM BOSTON, Cymric, White Star, 9 a. m.
Ryndam, Holland-America, 10 a. m.
Kronprinzessin Cecilie, North Ger. Lloyd,
10 a. m.
African Prince, Prince.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem.

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the heart of NEW YORK
And give special attention to steamer and theater
orders. Prompt deliveries and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave.
Kansas City and
Pleasant Hill, Mo. Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any town in

Missouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, I. N., Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. B. A., Pittsburg.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 58 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Young's, 1406 Olive, St. Louis, Mo.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders,

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.
Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable Cable address "Daniels, Denver"

Mention the American Florist when writing

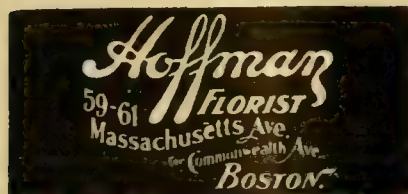
THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York, Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. E. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Louis, Mo.—Young's, 1406 Olive.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out
of-town florists Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.
Write, Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and Vicinity on
Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable series

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE TENN

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

UR AH J. VIRGIN, —838—
CANAL ST.

Pittsburg and Vicinity.

Mrs. E. A. Williams

621 Penn Avenue.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St. TELEPHONES
1501 and 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Uniontown, Pa.

Uniontown is this week celebrating its first "Old Home Week" and active preparations have for some time been in progress. It is probable that the florists will have an active part in the entertainment of the former residents.

Charles Cramer, though active as a banker, owns 35,000 square feet of glass, where a variety of stock is grown and also has a good store.

Stenson & McGrail have a large glass area and grow a great variety of stock.

Hagan Brothers have a modest range and seem prosperous.

Wm. B. Steele has a good retail store in an excellent location and is doing well.

Connellsville, Pa.

The old and reliable firm of P. R. De Muth & Sons continues to do a good business. In fact, they not only supply their own store but have a good shipping trade to neighboring towns. Chas. M. Little, formerly with Chas. Cramer of Uniontown, has recently taken the management of their store here. Mr. Little is a very capable and genial young man and will doubtless be successful.

The region around this city has suffered severely this summer from heavy rains and consequent floods.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phone 100; Bell, Lindell 2153; Kinloch Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

St. Louis, Mo.

Write, Wire or Phone Your Orders to

YOUNGS

1406 Olive Street,

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones Bell, Main 2306; Kinloch Central 4981

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10		\$ 1 50	7-in.	4	36	\$ 2 50	\$30 00
3-in.	5	12		2 00	7-in.	4	36 to 40	3 00	36 00
4-in.	5	15	\$ 0 35	4 00	9-in.	4	40 to 42	4 00	48 00
5-in.	6 to 7	18	50	6 00	9-in.	4	42 to 48	5 00	60 00
6-in.	6 to 7	24	1 00	12 00	9-in.	4	48 to 54	6 00	
Cedar tub	Leaves	In. high.	Each	Doz.	9-in.	4	5 ft.	7 50	
7-in.	6 to 7	34 to 36	2 50	30 00	12-in.	4	5½ to 6½ ft.	15 00	
9-in.	6 to 7	40 to 45	4 00	48 00					
9-in.	6 to 7	42 to 48	5 00		Pot				Each
9-in.	6 to 7	48 to 54	6 00		5-in., nicely characterized				\$1 00
9-in.	6 to 7	5 ft.	8 00		6-in., 18 to 20-in. spread				1 50
9-in.	6 to 7	6 to 7 ft.	10 00		Cedar tub	High	Spread		Each
					7-in.	18-in.	24-in.		\$2 00
Cocos Weddelliana					Phoenix Roebelenii				
Pot	In. high				Per 100				
2½-in.	8 to 10				\$10 00				
Areca Lutescens					Cibotium Schledel				
9 in.	Several	5 ft.		\$7 50	Cedar tub	Spread		Each	
					9-in.	4 feet		\$3 00	
					9-in.	5 feet		5 00	
					9-in.	6 feet		6 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9 inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

Geraniums

Rooted cuttings of **S. A. Nutt.** and **Ricard** at \$10.00 per 1000; **Poltevine** at \$12.50 per 1000. These prices hold good only until Oct 1st.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington.....	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon.....	6 00	50 00
May Day.....	5 00	40 00
Saugamo.....	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

ASPARAGUS

	Per 100	Per 1000
3-inch Asparagus Plumosus.....	\$3.00	\$25.00
3-inch Asparagus Sprengeri.....	3.00	25.00
1-year-old Asparagus Plumosus for bench.....	2.00	18.00
Strong 2 year-old Smilax plants.....	2.00	18.00

GEORGE REINBERG,
162 N. Wabash Ave. CHICAGO

CARNATIONS

Last Call for Field Grown Plants Hence Reduction in Prices.

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them **A1 Value**—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$5.00	\$45.00	Victory	\$5.00	\$45.00
Pink Enchantress	5.00	45.00	Winsor	5.00	40.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE INDIANA.

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Millford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

EVANSVILLE, IND.—The Ohio Valley Seed Co. will build a new warehouse in the near future.

GIBSON CITY, ILL.—The Oxley Seed Co. will open up for business here in the near future.

ERFURT, GERMANY, August 15.—Cool and continued wet weather is likely to cause poor seed crops in this district.

CHICAGO.—Prices on the Board of Trade August 28, for grass seed were noted as follows: Timothy, \$4 to \$5.25 per 100 pounds.

THE fifth annual convention of the Vegetable Growers' Association of America will be held at Rochester, N. Y., September 4-6.

VAUGHAN'S SEED STORE, Chicago, received two carloads of Dutch bulbs August 28, probably the earliest date on record for such large shipments.

WELLAND, ONT.—The Lake Shore Seed Co. and the Dunkirk Seed Co. have combined and will build a two-story brick building here, 45x100 feet.

GENERAL seed trade reports received by THE AMERICAN FLORIST indicate a very general shortage of vegetable seeds and consequently high prices.

QUINCY, ILL.—The Eber Seed Co. has incorporated with a capital stock of \$15,000. The incorporators are Suzanne Eber, William H. Eber and Eugene Eber.

FRENCH flower seed crops were looking very well the first week in August. Many German wholesalers have plantations there and there seems to be plenty of almost all stock.

REPORTS from Illinois Red Top seed producing districts indicate a good yield of seed, but a week or so of good drying weather will be necessary to enable the farmers to commence threshing and begin to put the seed on the market.

THE Frisco railroad is operating ten demonstration farms in Arkansas and Missouri for the purpose of showing the farmer how to increase his annual yield. Particular attention is paid to the choice of seed, only the very best qualities being used.

AT Chicago the onion set crop has been lifted and is in the crates. Sets are rather large this year, owing to the cool wet season. The yield is perhaps 15 to 30 per cent better than last year but quite a percentage of this increase will be taken out in screening.

MARSHALLTOWN, IOWA.—The Marshalltown Seed Co., a new firm organized for the purpose of raising and selling field and garden seed, has incorporated with a capital stock of \$10,000. T. C. Cartwright, Fred S. Hynds and F. G. Pierce are the incorporators and also the directors.

Catalogues Not Affected.

W. Atlee Burpee writes under date of August 24: "Let us rejoice; Congress will probably adjourn tonight after passing modified Bourne plan as agreed by the conferees, but expressly stating 'This act shall not in any way affect the postage rate on seeds, cuttings, bulbs, roots, scions, and plants as fixed by section 482 of the postal laws and regulations.'"

Catalogues also are entirely unaffected, remaining as now.

Bulb Transaction.

This was a claim by W. N. Alke, made and N. M. Alkemade (trading as W. N. Alkemade & Co.), of Noordwijk, Holland, against W. Smith, Nurseyman, Kirkburton, for £88 12s. 3d. for bulbs supplied.

A counter-claim was raised for bad quality of bulbs supplied. The evidence was very conflicting (as is usual in these cases), and also very lengthy, the case lasting over three days.

The plaintiff stated he had supplied 100,000 *Narcissus poeticus* and 450,000 Spanish Iris, and defendant would not pay, alleging bad quality. In cross examination he stated the narcissi were bought in England and then grown one year in Holland, but he did not sell them as "Dutch." Some amusement was created by the suggestion by his Lordship, that if these were "Dutch," those grown two years in Holland were "double Dutch."

Mr. Smith, defendant, stated that when plaintiff called in 1909 he complained of previous lot of 60,000 *Poeticus* and arranged to buy a further lot of 100,000 at 3/6 a thousand, a reduction of 2/- on previous price, and that conditions were that they should be Dutch grown and give a flower for each bulb, but goods were afterwards invoiced at 4/6. He sold some of these and planted the rest, but all were alike, unsatisfactory and did not show enough flower to pay for labor. Evidence was called to support statements as to bad quality, but no evidence was proffered as to conditions of the bargain.

His Honor in summoning up said, the question was whether the bulbs were sold with warranty, and if so whether they complied with it. He said that defendant had seen plaintiff's catalogue which included the condition that no warranty expressed or implied was given. Defendant could not tell of a single instance in which he had bought a bulb with a warranty, expressed or implied, and it was clear that he never ventured to sell one in that way. The reason of it was obvious—nobody could tell what would happen. The vendor had no control over the matter whatever. There was not a shadow of foundation for the statement that the bulbs were to be sold at a reduced price of 3/- per 1,000 or any stipulation that they should be Dutch grown. Defendant claimed that the goods were accepted on the condition that payment should be made as

the bulbs flowered. He might have made that condition to himself, but he never communicated that to the plaintiff.

Judgment was given for plaintiffs for £87 5s. on the claim, and for plaintiffs also on the counter-claim.

The case is instructive as showing the necessity of a clear statement in writing of the conditions to a bargain, also that those who buy "bargains" do so at their own risk. It is further useful as showing there is a value in the non-warranty clause though it may not be relied upon to cover every case. —Horticultural Advertiser.

Value of the Finished Fertilizer.

Control stations are, or at least ought to be, more concerned with the nature of the finished fertilizer than with the nature of the components of that fertilizer, according to a writer in the American Fertilizer of July 27. If it could be shown that any given fertilizer shows the requisite amount of food material in an available form, it would suffice to safeguard the interests of the farmer, and the source of such materials then becomes of secondary importance. Recent tests made at the Rhode Island Agricultural Experiment Station seem to bear out the opinion that wet processing will render inert nitrogen available, but, as pointed out by the experimenters, the results were not conclusive. Extended investigations of the changes involved in the process and accompanying field tests are necessary for an ultimate decision. It was shown, however, that the wet process did materially increase the availability of such low grade ammoniates as were under observation. It is common opinion that most of the inert compounds yield their nitrogen content after the second year in the ground, and if the wet mixing supplies the nitrogenous needs of the first crops, it will supersede preliminary acidulation of these materials as now practiced.

New Planter.

A new planter invented by R. Allen, Mason, Okla., according to the Scientific American, will plant the seed at varying depths and thereby secure a better stand. As with this planter some of the seed are planted near the surface, while other seed planted nearby are planted an inch deep, the farmer using this planter will be certain in all cases of obtaining a good stand no matter what the weather conditions may happen to be.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons
ROCHESTER, N. Y.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

Direct Importations

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades.
Azaleas, Palms, Bays, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Menetti. Jap Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE
17 Murray Street, NEW YORK

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-

kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

MANN'S

Lily of the Valley

are the finest in existence and their flowers
get the best prices on the London mar-
ket For quotations please apply to

OTTO MANN. Leipzig, Saxony, Germany

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - Oklahoma

Oats
Barley
Wheat

SWEDISH SPECIALTIES

Grown Under Government Control by

The General Swedish Seed Co.
SVALOEF, SWEDEN

Descriptive Pamphlet Prices
and Samples on Application.

LOECHNER & CO., 11 Warren Street
NEW YORK

Oats
Barley
Wheat

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage
Order Now

Bruns' Chicago Market Brand, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, \$1.75 per 100; \$16.00 per 1000.

H.N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed...25c
1 oz. ..\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,

SANTA ANA, CALIFORNIA.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

California CALLA Bulbs

Place your order in time to secure your wants
in this stock.

Callas are still scarce and the quantity is limited.
Write for prices.

Write for prices on Dutch Bulbs.

M. M. CARROLL, Norwood (Cinti.), O.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100..\$13.00
Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

The Early Advertisement Gets There.

Asparagus Plumosus, 2½ inch pots,
\$3.00 per 100.

Asparagus Sprenger, 2½ inch pots,
\$2.00 per 100.

Stevias, tall and variegated, 2 inch
pots, \$2.00 per 100.

Ferns, Scotii and Whitmani, 2 inch
pots, \$2.00 per dozen.

Clematis Paniculata, strong plants,
4½ inch pots, \$10.00 per 100.

C. EISELE,

11th & Westmoreland Sts., Philadelphia, Pa.

PRIMROSES

	Per 1000	Per 100
Chinensis and Forbesi, 2¼ in. pots		\$2 00
Obconica Grandiflora, Alba and Rosea		2 00
Obconica Gigantea and Kermes- ina		\$25 00 3 00
Malacoides Giant Baby		18 00 2 00
Asparagus, Plumosus and Sprenger, 2¼ in. pot		2 00
Pansy Seed, Giant Flowering, oz.		\$4.00
Pansy Plants, October 1st		\$2.50 per 1000 50

CASH

Jos. H. Cunningham
Delaware, Ohio

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best ob-
tainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building. PHILADELPHIA, PA.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Godfrey Callas

2½-inch\$4.00 per 100

Cash with order from unknown correspondents.

PATTEN & CO.,

Tewksbury, Mass.

The Everett B. Clark Seed Co.

Growers for the Trade

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan **MILFORD, CONN.**
and Wisconsin.



Paper Whites

GRANDIFLORA

Per 1000
Fancy, (1950 bulbs to
case)\$ 8.50
Star Brand, (1000 bulbs
to case) 11.00

Freesias

Per 1000
Purity Mammoth,
¾-in. and up\$25.00
Purity, extra size, ½-
¾-in. 20.00
Purity, first size, ¾-
½-in. 17.50
Vaughan's White Seed-
ling 15.00

Cold Storage

Valley Pips

London Market.....per 1000...\$15.00
Premium Brand.....per 1000... 13.00

Lilium Harrisii

Per 1000
5-7-in. (400 bulbs to case).....\$32.00

6-7-in. (335 bulbs to case)..... 55.00

Lilium Formosum

6-8-in. (350 bulbs to case).....\$35.00

VAUGHAN'S SEED STORE

CHICAGO.

NEW YORK.



"The Kenilworth Strain" of Giant PANSY Seed

Must Not be Compared with the flimsy Trimardeau

It is much larger and of good substance; the immense flowers of 3½ to 4 inches are of perfect form; every tint and shade is produced in striking combinations and endless variations of beautiful colors and markings. The stock plants are most critically selected. It is rich with shades of brown, bronze, red, mahogany and many others too numerous to mention. **Light, Medium or Dark Mixtures.**

1912 SEEDS NOW READY

2000 seeds, 50c; 5000 seeds, \$1.00;
¼ ounce, \$1.25; ounce, \$5.00.

Read what growers say about my strains of pansy seed in the AMERICAN FLORIST of July 6th, page 1435.

Pansies in Separate Colors.

	1000 seeds
Giant Adonis, beautiful light blue	25c
Giant Emperor William, ultramarine blue	25c
Giant King of the Blacks, coal black	25c
Giant Lord Beaconsfield, violet shading to white	25c
Giant Golden Queen, yellow	25c
Giant Golden Yellow, with dark center	25c
Giant Masterpiece, beautifully ruffled, with a wide range of colors	25c
Giant White, very fine	25c
Giant White, with large violet center	25c
Giant Red, a fine mixture of red shades	25c
Giant Royal Purple, fine large flower	25c
Giant Orchid Flowering, rare shades	25c
Giant Bronze and Copper Shades	25c
Giant Light Blue, delicate shades of blue	25c

Giant Dark Blue, deep blue shades. 25c
Giant Zebra Mixed Shades, striped. 25c
The preceding 16 colors mixed in equal proportions. 1000 seeds, 25c; any 5 packets, \$1.00; any 11 packets, \$2.00.

The **Rainbow** blend is grown from the latest introductions of giant pansies of the most beautiful, gorgeous colors; blotched, striped, veined, margined, etc. With every \$1.00 worth of pansy seed I will send 1000 of Rainbow free, and with other amounts in like proportion.

Chas. Frost
Kenilworth,
N. J.

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000.
Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Primula Malecoides (New Baby) \$3.00 per 100, \$25.00 per 1000.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Araucaria Excelsa—Fine Stock. 3 tiers, 10 to 12 inches high, 45c.

3 to 4 tiers, 12 to 14 inches high, 60c. 4 tiers, 14 to 16 inches high, 75c.

Selaginella Emilliana, 2½-inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$8.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

Mention The American Florist when writing

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Clifondale, Mass., the great sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

HENRY H. BARROWS & SON, Whitman, Mass

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Fall Tomatoes.

Growers who wish to try fall tomatoes under glass should lose no time in getting started; at best it takes a hundred or more days from seed-sowing to ripe tomatoes and with the coming of colder weather ripening is slow enough. It is conceded that tomatoes are much more difficult to produce in the fall than in the spring. This is also true of cucumbers. Plants feel the declining light and heat and owing to the endless insect and disease germs in action outdoors trouble is more easily encountered than avoided. Still, tomatoes can be well grown and some growers are finding profit in it rather than in too much leaf lettuce early in the season. The secret of success is no doubt in getting under way early—to get all the fruit set before the arrival of dark weather, and in line for culture from start to finish as no checks can be allowed. Seedlings should be depended upon, as cuttings from old plants lack thrift. No crowding can be tolerated; they should be pot-grown and shifted as needed, using fairly rich compost at all times. We like to use little moisture and plenty of plant food to produce strong stock. In regard to varieties, Bonny Best or Comet as scarlet or Globe and Detroit for pink will fill the bill. The writer was probably the first man to force Globe and is pleased to see it used more extensively each year under glass. It is a heavy yielder, fine fruit and excellent quality, if well done. When planning for tomatoes, be sure to arrange for extra heat, as lettuce temperature will not do after Oct. 1.

THE MARKETMAN.

Vegetable Growers' Association.

FIFTH ANNUAL CONVENTION.

The fifth annual convention of the Vegetable Growers' Association of America will be held at Convention Hall in Rochester, N. Y., September 4-6. The meeting will be called to order Wednesday, September 4, at 9 a. m., by President H. F. Hall of Moorestown, N. J. Mayor H. H. Edgerton will deliver the welcoming address on behalf of the city. President Geo. West of the Monroe County Market Gardeners' Association will also welcome the guests on behalf of his association. R. L. Watts of the Pennsylvania State College will respond. The reports by Secretary S. W. Severance and Treasurer M. L. Rustenik will be heard next, after which the committee reports will be made.

At the afternoon session there will be papers on the following subjects: "Rotations for Field Truck Crops," Prof. T. C. Johnson, director Virginia truck experiment station, Norfolk, Va.; "Combinations and Rotations for the Market Garden," H. F. Thompson, Attleboro, Mass.; "Some Points on Comparison Cropping in Greenhouse and Garden," Prof. R. L. Watts, Pennsylvania State College. In the evening Dr. H. J. Webber, of the New York State College of Agriculture,

Cornell University, will talk on "Theory and Practice in Vegetable Breeding," and O. G. Bishop of Pontiac, Mich., will have a paper on "Improving Varieties of Vegetables by Crossing and Selection." A general discussion will follow.

The nominating committees will be appointed Thursday morning. "Maintaining Soil Fertility in Truck Lands" is the title of a paper to be read at this session by Dr. C. E. Thorne, director of the state experiment station at Wooster, O. Prof. E. O. Fippin of the New York State College of Agriculture, Cornell University, will have a paper entitled, "The Use of Chemicals and Lime in Vegetable Growing, with Special Reference to Muck Soils." Thursday afternoon will be given over to a trip of inspection to the Irondequoit gardens and greenhouses. A banquet will be served Thursday night at the Hotel Powers.

Friday morning's session will begin with the reports of the committees and the election of officers will follow. This is to be known as the "greenhouse session." Prof. W. J. Wright, director of the New York State School of Agriculture of Alfred University, Alfred, N. Y., will talk on greenhouse building and equipment, and C. West of Irondequoit, N. Y., will have a paper on "Soil Sterilization." The subjects will be thoroughly discussed. The afternoon will be taken up with a "co-operative session." C. R. White, president of the New York State Vegetable Growers' Association will read a paper

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$8.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

on "Co-operation. Its Benefits, Obstacles and Future." A general discussion will follow after which will come the final adjournment.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Winter Onion Sets



Vaughan's Seed Store
CHICAGO

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code: 5th Edition

SEE US BEFORE BUYING ONION SETS

EVERETTE R. PEACOCK SEED CO.

4003 Milwaukee Avenue, CHICAGO, ILL.

NO ORDER TOO LARGE—NO ORDER TOO SMALL

TEL. IRVING 3999

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Fancies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT FANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

1912 PEONY LIST

The same good list, "rogued" and "trued" until the block is absolutely free from mixture. Prices are for strong divisions of from three to five eyes. We begin shipping Peonies the first week in September.

	Per 100		Per 100
Camille Calot, light rose.....	\$ 10.00	Lady Bramwell, silvery pink; late midseason.....	10.00
Carnea Striata, pale flesh, shading to almost pure white.....	9.00	Laius, outer petals white, inner sulphur, changing to white; medium size.....	12.00
Charlemagne, creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Tulipe, late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Clarissa, rosy pink; inner petals sulphur.....	6.00	La Sublime, crimson; fine, full, fragrant.....	8.00
Comte de Diesbach, dark red; early.....	8.00	Livingstone, (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Jussier, outer petals pink, inner yellowish.....	8.00	Louis Van Houtte, (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Nanteuil, very large and full; dark rose.....	8.00	Meissonier, reddish purple, crimson center.....	40.00
Comte de Niepperg, dark rose pink; large bloom.....	10.00	Monsieur Barral, soft, clear pink; large and full; long stems.....	10.00
Comte d'Ormond, white with sulphurish center.....	15.00	Monsieur Dupont, very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Couronne d'Or, immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Mlle Rene Dessert, in clusters, soft lilac with silvery-violet reflex.....	20.00
Delachei, deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Crousse, one of the best whites; midseason.....	20.00
Dortens Coros, bright pink.....	6.00	Madame Lebon, bright, cherry pink.....	10.00
Duchesse de Nemours, the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Madame Rose Rendatler, delicate rose.....	8.00
Duke of Wellington, flowers fragrant, sulphur-white; large and well formed; strong grower; stems long and firm; late midseason.....	20.00	Nigricans, very late, brilliant, purplish-crimson.....	20.00
Edulis Superba, soft pink; very early.....	10.00	Nobilissima, bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix rousse, brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba, earliest white.....	15.00
Festiva Alba, ivory-white, with occasional crimson spots in center petals; ships well and stands cold storage excellently; late midseason.....	15.00	Officialis Rubra Pleno, the well known, very early, double crimson.....	15.00
Festiva Maxima, the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Palmata, cut-leaved; single scarlet; earliest.....	25.00
Floral Treasu e, rich, soft pink.....	15.00	Papaviflora, guard petals pure white; others yellowish; excellent.....	15.00
Francois Ortegat, semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Phryne, blush white.....	8.00
Gen. Cavaignac, lively lilac-pink, shaded clearer pink.....	6.00	Prince Imperial, brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Gloire de Louai, purplish scarlet-crimson with black reflex; late.....	8.00	Prolifera Tricolor, soft flesh, with center of golden yellow.....	8.00
Golden Harvest, very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Queen Victoria, (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Grandiflora Carnea Plena, very early; clear flesh-pink, shaded lilac; keeps well; ships well; desirable for cutting or landscape work.....	6.00	Richardson's Dorchester, salmon pink, one of the very best late ones.....	25.00
Grandiflora Rosea, light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Richardson's Grandiflora, flesh-pink, with lighter shades in center; fragrant; one of the largest peonies known; latest pink in bloom.....	40.00
		Rosea Superba, brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena superba, very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - **Newark, New York.**
Growers of "The Preferred Stock"

PANDANUS UTILIS

	Per 100
3½ in. pots.....	At \$12.00
Dracena Indivisa—5 in. pot grown-ready for repotting. Excellent value.....	At \$25.00
Cyperus Alternifolius—3½ in. pots. Very bushy and compact.....	At 8.00
Deutzia Gracilis—Specially grown for Easter forcing. Very bushy.....	At 15.00
Campanula Medium—2½ in. pots. Fine for growing on for Easter.....	At 3.00

Cash with Order

A. L. MILLER, Jamaica Ave., Opp. Schenck Ave.
BROOKLYN, N. Y.

Surplus Roses

Send for Stock List and Prices.

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs. 350 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.: *Elegantissima*, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Bostoniensis, 10-in. & 12-in., \$5.00 to \$7.50 ea. *Giatrixi*, 8-in. pots, \$1.00 each; 10-in. pots, extra fine specimens, \$3.00 each.

Scottii, 6-in. pots, 50c each; 10-in. pots, extra fine specimens, \$2.50 each.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each.

Magnifica, *Muscosa*, *Elegantissima* Compacta, 3½-in. pots, 25c each.

Giatrixi, *Viridissima*, *Bostoniensis*, 3½-in. pots, 15c each.

Small Ferns for Fern Pans, assorted varieties, 2¼-in., \$3.50 per hundred.

Asparagus Plumosus Nanus, 2¼-in. pots, \$4.00 per 100.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000

14 cm. bulbs.....10.50 per 1000

Lilium Candidum.

Extra sized bulbs, \$5.00 per 100; \$40.00 per 1000

Mammoth bulbs, 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾-in. and up, \$12.00 per 1000

Extra sized bulbs, ½ to ¾-in., 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

VAUGHAN'S PEONIES

It will soon be planting time so order some of our high grade roots at once.

A few of the leading varieties are:

	Each.	Doz.	100.
Couronne D'Or, Snow white.....	\$0 35	\$3 60	\$25 00
Festiva Maxima, White, spotted red.....	20	2 00	15 00
Mme. de Verneille, Sulphur White.....	20	2 00	15 00
Duchess de Nemours, (Guerin), pink.....	20	2 00	15 00
Mathilde Mechlin, French pink.....	30	3 00	20 00
Perfection, Soft Pink.....	25	2 40	18 00
Felix Crousse, Double Red.....	35	3 60	24 00
Officialis Rubra Plena, Red.....	15	1 50	10 00
Richardson's Rubra Superba, Crimson.....	20	2 00	15 00

ASK FOR OUR COMPLETE LIST.

CHICAGO

Vaughan's Seed Store, NEW YORK
Greenhouses, Trial Grounds and Nursery at Western Springs, Ill.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

Connecticut Nurserymen's Association.

The members of the Connecticut Nurserymen's Association were in New Haven August 9 for their annual summer outing. The objective point was the Elm City Nursery Co., whose nurseries are located just beyond Edgewood Park in the new Edgewood suburb.

The nursery business has become one of Connecticut's important industries and the amount of capital and number of men engaged in the business would be a source of surprise to those who are unfamiliar with such matters. The old New England hills, which have in the past years become unprofitable for farming purposes in competition with the great west, are proving to be eminently suited to the production of the finest fruit, fruit which compares favorably with the finest production anywhere in the country. Not only can they grow under modern means of cultivation apples which are as fair as the Oregon brand, but they claim they can beat them on quality of fruit and keeping qualities. The same is true of peaches, pears, plums, quinces, etc.

The demand for ornamental stock has enormously increased in the past few years, as parks are being developed in every city and town, private estates and homes are being rapidly evolved which compare favorably with the finest homes of Europe, and practically every home place, even down to the smallest garden, now shows signs of care and attention. Such a movement as this makes an increasing demand for nursery stock.

The Elm City Nursery Co.'s extensive grounds are a just source of pride to all New Haven citizens. Developing from small beginnings a few years ago this nursery now ranks among the most important in the country. The grounds, especially about the office, are laid out in a true landscape style and few private estates are kept up with greater care. One special feature at the nursery which interested the convention members was a rare collection of Japanese dwarf trees and plants, old stone lanterns, etc., which have been arranged in such a way as to give a good idea of the old Japanese garden. This collection was made by one of the members of the firm two years ago personally in Japan and is probably as fine as any in the United States.

After looking over the nursery's very complete office, packing, cold storage, and shipping facilities the members of the association took an auto ride through the many nursery fields. It was generally voted that few nurseries are kept up with as great an amount of care and attention to the developing of each individual tree and plant. Dinner had been ordered at the west shore and the members all piled into the autos waiting for them, and after a pleasant ride about New Haven's principal streets made their way home.

Lilacs

CH. SCHUCK,

Chas. X. Marie Legraye.
Mme. Casimer Perier, Etc.
Etc. Pot Culture.

Worms, Germany.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

Diam.	Height of	Planted	Planted in
Crown	Stem	in tub	Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories
Sidney, Ohio

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ives are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Royal Rose Nurseries

Gratama Brothers & Co.

**HOOGEVEEN,
HOLLAND.**

Roses for Export

Catalogue and Wholesale List Free.

LARGE TREES

**OAKS and MAPLES
Pines and Hemlocks**

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Am. Beauties

Choice 2½ inch, \$5 per 100; \$45 per 1000

**THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.**

Dreer's Convention Month Specials



EXCEPTIONAL VALUES IN ARAUCARIAS in all varieties in the following sizes:

Excelsa.				Each
4-inch pots,	5 to 6 inches high,	2 tiers.....		\$0 30
5 " " "	8 to 10 " " "	3 " " " " " "		40
5 " " "	10 to 12 " " "	3 " " " " " "		60
6 " " "	12 to 15 " " "	3 to 4 " " " " " "		75
6 " " "	14 to 16 " " "	4 " " " " " "		1 00

Excelsa Glauca.				
5-inch pots,	8 inches high,	2 tiers.....		75
6 " " "	10 to 12 " " "	3 " " " " " "		1 00
7 " " "	13 to 15 " " "	4 " " " " " "		1 50

Excelsa Robusta Compacta.				
5-inch pots,	8 to 10 inches high,	2 tiers.....		75
6 " " "	10 to 12 " " "	2 " " " " " "		1 00
6 " " "	12 to 14 " " "	3 " " " " " "		1 25
7 " " "	14 to 16 " " "	3 " " " " " "		1 50

Excelsa Plumosa.

A comparatively scarce form, almost as compact in habit as Robusta Compacta and of a richer, deeper green color; very desirable.

5-inch pots,	8 inches high,	2 to 3 tiers.....		65
6 " " "	10 to 12 " " "	3 " " " " " "		75
6 " " "	13 to 15 " " "	3 to 4 " " " " " "		1 00

Fern Flats These flats contain about two hundred plants each, only one variety being in a flat, and we cannot supply less than a full flat of any one sort. Price: \$2.00 per flat in any one of the following varieties: *Aspidium Tsussimedse*, *Cyrtomium Falcatum*, *Cyrtomium Fortunei*, *Polystichum Setosum*, *Pteris Adiantoides*, *Pteris Alba Lineata*, *Pteris Magnifica*, *Pteris Majus* or *Ouvrardi*, *Pteris Wimsetti Multiceps*, *Pteris Wilsoni*

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

THE ABOVE PRICES INTENDED FOR THE TRADE ONLY.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.



Cyclamen Giganteum

GIANT FLOWERING.

Old Specialty of our Business.

Crop 1912.

	100 seeds	1000
No. 4002. Fiery Red, very fiery...	\$0 32	\$3 00
No. 4003. Dark Red, best market variety.....	40	4 75
No. 4004. Rose Brilliant, magnificent rose.....	32	3 00
No. 4005. Mont Blanc, improved pure white.....	36	3 40
No. 4006. Lilac Color, magnificent, popular colors.	36	3 40
No. 4007. White with Eye, white, mostly red dotted...	32	3 00
No. 4008. Snowflake, pure white	40	4 75
No. 4009. Magnificent Mixture, all colors.....	32	3 00
No. 6014. Fringed German Giant	50	4 50
No. 6016. Rococo, monstrous new strain, mixed.....	36	3 40
No. 6045. Beauty of Dresden, new salmon red.....	1 25	9 50

Cash with order. With order for 10,000 seeds, 10 per cent rebate.

WEIGELT & CO., Seed Specialty Growers
ERFURT, GERMANY

Mention the American Florist when writing

POINSETTIAS

Extra strong 2½-in. pot plants.

Shipped in paper pots, \$6.00 per 100, \$50.00 per 1000.

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100, \$30.00 per 1000.

500 at 1,000 rate.

Cash with Order.

FRANK OECHSLIN,

4911 Quincy St.,

CHICAGO

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6 550 2½-in. Maryland, own root....	\$35.00 per 1000	400 2½-in. Bulgarie, own root.....	\$40.00 per 1000
1,700 3½-in. Maryland, own root....	50.00 per 1000	750 3½-in. Bulgarie, grafted.....	\$8.00 per 100

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
10,000 Perfection.....	\$6.00	\$50.00	5,000 Lawson.....	\$6.00	\$50.00
10,000 White Enchantress.....	6.00	50.00	1,000 Delight.....	6.00	50.00
6,000 Rose Pink Enchantress.....	6.00	50.00	800 Bright Spot.....	6.00	50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

Mention the American Florist when writing

Index to Advertisers.

Addams Morgan & Co.	394
Advance Co. The.	405
Alpha Floral Co.	385
American Importing Co.	404
American Spawm Co.	396
Amling E C Co.	379
Anderson S A.	385
Andorra Nurseries.	385
Angermueller G H.	380
Aphine Mig Co.	408
Aschmann Godfrey.	394
Atlanta Floral Co.	388
Bader Jno & Co.	395
Badgley Reidel & Meyer, Inc.	383
Barrows H H & Son.	395
Bassett & Washburn.	372
Bayersdorfer H.	407
Beaven E A.	384
Berning H G.	386
Berterman Bros Co.	380
Bide & Sons S.	396
Bobbink & Atkins.	398
Boddington A T.	393
Bodger J & Sons Co.	391
Boland J B Co.	385
Boligiano J & Sons.	391
Bowe M A.	387
Boynton F O.	412
Furnace Co.	412
Braslan Seed Grow Co.	390
Brecht Co. The.	390
Breitmeyer's J Sons.	386
Brown Bag Filling Machine Co.	391
Bruns H N.	391
Buckbee H W.	388
Budlong J A.	379
Burnett Bros.	11
Burpee W A & Co.	11
Caldwell the Woodsman Co.	384
Camp Conduit Co.	111
Carroll M M.	391
Chicago Carn Co.	1
Chicago Flower Growers Assn.	377
Chicago House Wrecking Co.	412
Clark E B Seed Co.	392
Clark's Sons David.	387
Cleveland Cut Flower Co.	387
Conard & Jones.	397
Cooke Geo H.	385
Cotsonas Geo & Co.	384
Cowee W J.	400
Coy H C Seed Co.	391
Craig Robt Co.	398
Critchell C E.	380
Crump Frank F.	386
Cunningham Jos H.	392
Daniels & Fisher.	387
Dards Chas.	386
Deamud J B Co.	375
DesPlaines Flor Co.	389
Detroit Flower Pot Mfg.	111
Dietsch A & Co.	IV
Diller Caskey & Keen.	407
Dillon J L.	397
Dingee & Conard Co.	394
Dorner F & Sons.	389
Dreer H A.	399
Duerr Chas A.	388
Dunlop John H.	387
Dwelle - Kaiser Co. The.	408
Eagle Machine Wks.	407
Edwards Folding Box.	400
Eisele C.	392
Elliott W H.	381
Emmans Geo M.	394
Erle Floral Co.	I
Erne & Klingel.	378

Esperance L Nurs.	398
Eyres H G.	387
Fish Henry Seed Co.	391
Florists' Hail Assn.	404
Florists Tel. Delv.	386
Foley Mig Co.	IV
Ford M C.	383
Fottler, Fiske, Rawson Co.	11
Franzen F O.	394
Freeman Mrs J B.	388
Freeman & Sons.	412
Friedel E.	384
Froment H E.	383
Frost Chas.	392
Galvin Thos F.	387
Garland G M.	405
Gasser J M Co.	387
Geny Bros.	388
Giblin & Co.	410
Goodsell P H.	382
Good & Reese Co.	I
Gorham & Chapline.	410
Grand Rapids Flower Co.	387
Growers Cut Flower Co.	383
Gude Bros.	386
Gunter Bros.	383
Habermann Chas.	388
Hatcher, Florist.	388
Hart Geo B.	382
Haven Seed Co. The.	391
Heacock Jos Co.	389
Heim John & Son.	385
Henderson A & Co.	394
Herr Albert M.	389
Herrmann A.	410
Hess & Swoboda.	388
Hews A H & Co.	111
Hilfinger Bros.	111
Hines E Lumber Co.	412
Hitchings & Co.	406
Hoerber Bros.	379
Hoffman Flo Artist.	387
Hoffmeister Flo Co.	381
Holm & Olson.	386
Holton & Hunkel Co.	380
Home Cor School.	408
Hooker H M Co.	406
Hunt E H.	379
Hurff Edgar F.	391
Igoe Bros.	400
Illinois Pipe Mfg Co.	408
International Heater Co.	410
Interstate Tob Co.	408
Isbell S M & Co.	392
Jackson & Perkins.	397
Johnson J Oliver.	391
Johnson WW & Son.	11
Jones Percy.	379
Kasting W F Co.	381
Keller Geo & Sons.	111
Keller JB & Sons.	388
Kellogg Geo M.	385
Kennicott Bros.	378
Kervan Co. The.	383
Kessler W A.	383
Kift Robt.	387
King Construction.	409
Kohr A F.	111
Kramer I N & Son.	408
Kroeschell Bros Co.	407
Kruchten John.	378
Kuebler Wm.	383
Kuehn C A.	381
Kuhl Geo A.	394
Kyle & Foerster.	379
LaCrosse Floral Co.	387
Lager & Hurrell.	I
Lange A.	385
Landreth Seed Co.	391
Lecakes N L & Co.	383
Lederer John.	406
Leedle Floral Co.	397
Leonard Seed Co.	391
Lockland Lumber Co.	412
Lochner & Co.	391
Lord & Burnham Co.	405

McCallum Co.	381
McConnell Alex.	385
McCoy L W.	388
McCullough's J M Sons Co.	380
McHutchinson & Co.	391
McKellar Chas W.	377
McKenna P & Son.	387
Manuel.	381
Mann Otto.	395
Master J G & Co.	412
Masur S.	385
Matthews Florist.	387
May & Co L L.	385
Meconi Paul.	383
Metropolitan Mat Co.	410
Mette Henry.	396
Meyer John C & Co.	404
Michigan Cut Flo Exchange.	384
Millang Chas.	383
Miller A L.	412
Moninger J C Co.	397
Moore, Hentz & Nash.	383
Morehead Mig Co.	410
Mt Gilead Pottery Co.	111
Munk Floral Co.	381
Murray Samuel.	386
Myers Florist.	388
Nat Flo B of Trade.	400
N Y Cut Flower Ex.	383
Niessen Leo Co.	381
Oechslin Frank.	399
Oklahoma Seed Gro Co.	391
Palethorp P R.	111
Palmer W J & Son.	386
Park Floral Co.	386
Patten & Co.	392
Peacock Dahlia Fms.	398
Peacock Everett R Seed Co.	396
Pedrick Geo & Son.	392
Pennock-Meehan Co.	383
Penn the Florist.	386
Peters & Reed Poty.	111
Pierce F O Co.	410
Pierson A N (Inc.).	398
Pierson F R Co.	397
Pillsbury I L.	400
Pieters & Wheeler Seed Co.	390
Pinkston Jas E.	384
Pittsburg Cut Flo.	381
Podesta & Baldocchi.	387
Poehlmann Bros Co.	373
Pollworth C C Co.	380
Pulverized Manure Co.	408
Quaker City Machine Works.	400
Raedlin Basket Co.	384
Randall A L Co.	379
Rawlings Elmer.	396
Ready Reference.	401
Randolph & Mc Clements.	407

Reed & Keller.	409
Regan Ptg House.	400
Reinberg Geo.	389
Reinberg Peter.	375
Rice Bros.	380
Rice M & Co.	384
Robinson J C Seed Co.	11
Rock W L Co.	386
Rohrert Seed Co.	11
Routzahn Seed Co.	391
Royal Rose Nurs'rs.	398
Rusch G & Co.	380
Saakes O C.	387
Sabransky Jno F.	394
Saltford Flower Shop.	388
Schiller, the Florist.	388
Schillo Adam.	407
Schlatter W & Son.	400
Schling Max.	388
Schmidt J C.	394
Schuck Chas.	398
Schultz Jacob.	386
Scott John.	395
Seattle Cut Flo Ex.	380
Shaffer Geo C.	387
Sheridan W F.	383
Situation & Wants.	371
Skidelsky S S & Co.	392
Smith A W & Co.	387
Smith E D & Co.	408
Smith & Hemenway Co.	405
Smith Henry.	387
Smith P J.	383
Smith Wm C.	380
Smith W & T Co.	I
Stearns Lumber Co.	410
Stoothoff H A Co.	405
Storrs & Harrison.	392
Superior Machine & Boiler Works.	408
Syracuse Pottery Co.	111
Taylor Steam Trap Co.	409
Texas Seed & Flower Co.	385
Thomas & Smith.	409
Thompson Car Co.	389
Thornburn J M & Co.	11
Totty Chas H.	381
Trendly & Schenck.	383
Trimble W E.	379
Greenhouse Co.	379
United Fertilizer.	408
Valentine Frank.	385
Vaughan A L & Co.	376
Vaughan's Seed Store.	111
Vests.	388
Vick's Sons Jas.	390
Vincent R Jr.	396
Virgin N J.	388
Walker F A & Co.	388
Wagner Park Cons.	111
Ward & Co R M.	11
Weber F H.	388
Weeber & Don.	391
Weigelt & Co.	399
Weiland & Risch.	379

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.

Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
 Quaker City Machine Works,
 Richmond, Ind

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.

Pat. July 27, '97, May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.
 Prompt shipment guaranteed

IGOE BROS.,

268 North 9th St.,
 BROOKLYN, N. Y

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES.

527 Plymouth Place. CHICAGO

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
 Sample free. For sale by dealers.

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florist's Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing



Mention the American Florist when writing

Split Carnations

Quickly, Easily and Cheaply Mended.
 No Tools Required.

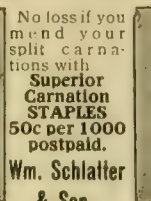
Pillsbury Carnation Staple

Patented 1898.
 2000 for \$1.00 postpaid.

I. L. PILLSBURY,
 Galesburg, Ill.



BEFORE



AFTER

Mention the American Florist when writing

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
 AMERICAN FLORIST CO.,
 Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
 CHICAGO
 PRICE, ONE DOLLAR, POSTPAID.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veitchii, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00-100. \$35.00-1,000; second grade, \$3.00-100. \$18.00-1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. One-year-old A. plumosus, \$2 per 100; \$18 per 1,000. Two-year-old Smilax, \$2 per 100; \$18 per 1,000. George Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. 2-in. Smilax, \$2 per 100; \$15 per 1,000. GEORGE REINBERG, 162 N. Wabash Ave., Chicago, Ill.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Emmans, Newton, N. J.

Asparagus Sprenger, 2½ in., \$3 per 100. Plumosus, 2½ in., \$3 per 100. Erie Floral Co., Erie, Pa.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ASTERS.

Asters. Semple's Branching, white, pink, purple, \$2.50 per 1,000; 5,000, \$10. J. C. Schmidt, Bristol, Pa.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, Semple's Branching, \$2.50 per 1,000; 5,000 for \$10. J. C. Schmidt, Bristol, Pa.

Asters, from \$1 to \$3 per 100. Geo. B. Hart, Rochester, N. Y.

AZALEAS.

Azaleas. McHutchison & Co., New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS.
McHenry Ave., Westwood. Cincinnati, O.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

CALLAS, extra fine, vital bulbs, 4-in. circumference, \$60 per 1,000; 5-in., \$80; 6-in., \$100. Delivered by express prepaid. Cash with order. Lilydale Bulb Co., Santa Cruz, Cal.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, Multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

10,000 prime Watsonia bulbs, \$2 per 100; \$16 per 1,000. The lot for \$150 f. o. b. Pasadena. Will S. Laurie, Pasadena, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, Callas. Patten & Co., Tewksbury, Mass.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Ctnt.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. McHutchison & Co., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
White Enchantress.....	8.00	75.00
Rose-pink Enchantress.....	7.00	60.00
Lawson Enchantress.....	7.00	60.00
Norwood, better than Perfection.....	8.00	70.00
Dorothy Gordon.....	7.00	65.00
Beacon.....	8.00	75.00
Victory.....	7.00	60.00
White Perfection.....	8.00	75.00
Lady Bountiful.....	6.00	55.00
Harlowarden.....	6.00	55.00
Sangamo.....	6.00	55.00
Alvina.....	6.00	55.00
May Day.....	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Beacon, nice stock.....	\$6.00	\$55.00
Boston Market, nice.....	4.00	35.00
White Perfection, medium.....	5.00	45.00
White Enchantress, nice.....	5.50	50.00
Enchantress, nice.....	5.50	50.00
Rose Pink Enchantress.....	5.50	50.00
Variegated Lawson.....	4.50	40.00

This stock is ready for immediate shipment. Cash with order, please.

JOS. SCHOOS, Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress.....	\$6.00	\$55.00
Washington.....	6.00	55.00
White Lawson.....	4.00	35.00
Pink Lawson.....	4.00	35.00
Winsor.....	4.50	40.00
Victory.....	5.00	45.00
White Perfection.....	6.00	55.00

WIETOR BROS., Chicago.

Field-grown carnations, White Enchantress, Pink Enchantress, Winsor, White Perfection, Queen, Penn. Lawson, \$6 per 100. Chas. H. Green, Spencer, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations out of sandy field, short bushy plants in best condition.

Per 1,000	
Pink Enchantress.....	\$45.00
White Perfection, Winsor.....	40.00
Victory, medium size plants.....	35.00

100 at 1,000 rate.
Plants grown in sandy field; have strong roots; ship better and stand replanting without check. Write for prices on large lots. Samples on request. Cash or reference. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

CARNATIONS, 10,000 fine, healthy field-grown plants of the following varieties, now ready for immediate or later shipment: Winsor, Pink Lawson, and Taft. \$50 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREEN-HOUSES, Denver, Colo. "Colorado" grown plants beat them all."

CARNATIONS.	Per 100	Per 1,000
White Enchantress.....	\$6.50	\$60.00
Enchantress.....	6.00	55.00
W. C. Ward.....	6.00	55.00
Pink Delight.....	8.00	75.00

F. F. SCHEEL, ILL.
SHERMERTVILLE.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Beacon.....	\$6.00	\$55.00
White Enchantress.....	6.00	55.00
Rose Pink Enchantress.....	6.00	50.00
Enchantress.....	6.00	50.00

JOHN BLECHSCHMID,
4300 E. 122nd St., Cleveland, O.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Conquest, beautiful flesh pink, overlaid with cerise, very free bloomer.....	\$7.00	\$60.00
May Day, deep flesh pink.....	6.00	50.00
Alvina, dark pink.....	6.00	50.00

CHICAGO CARNATION CO.,
30 E. Randolph St., Chicago, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 3,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, extra fine, healthy and bushy plants from field. 500 Enchantress, 600 White Winsor, 550 Winsor, 200 Winona, 750 W. Perfection, 600 Lawson, 240 Sangamo, \$6 per 100; \$50 per 1,000, cash. John Nelson Co., Oshkosh, Wis.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Wonder, \$8 per 100; \$75 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. John F. Sabransky, Kenton, O.

Carnations, field-grown, Washington, \$5 per 100; \$45 per 1,000. Pink Enchantress, \$5 per 100; \$45 per 1,000. Victory, \$5 per 100; \$45 per 1,000. Winsor, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82 Randolph St., Chicago.

Very choice field-grown carnations. Enchantress, White Perfection, Georgia, white, \$4.50 per 100; \$40 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Field-grown Carnations NOW READY. W. Perfection, Scarlet Glow, Beacon, Victory, Mrs. C. W. Ward, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Harry Heint, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. McArthur & Bros., Easton, Pa.

For Sale—1,000 carnation plants, Rose Pink Enchantress, 1,000 carnation plants, White Perfection. Very choice plants, \$6 per 100; \$50 per 1,000. J. F. Ammann Co., Edwardsville, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Field-grown carnation plants, 555 Sangamo, 50 Lady Bountiful, \$5 per 100. Good healthy plants. Cash please. Edgar Easterday, Nokomis, Ill.

Carnations, F. Dörner & Sons Co., La Fayette, Ind.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$8 per 100; \$50 per 1,000. Otto J. Hembrerker, Lincoln, Ill.

1500 Thos. W. Lawson, 1500 Winsor, 1st size plants, \$4 per 100. J. S. Wilson Floral Co., Des Moines, Iowa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Des Plaines Floral Co., Des Plaines, Ill.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTEMUMS.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Act. Frost, C. Tounet, White Cloud, Kalb Queen, Mlle. Des Jonis, Florence Pullman, Yellow: Halliday, Col. Appleton, Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii: Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyperus alternifolius, 3½-in., \$8 per 100. A. L. Miller, Brooklyn, N. Y.

DAHLIAS.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DEUTZIAS.

Deutzia gracilis, \$15 per 100. A. L. Miller, Brooklyn, N. Y.

DRACAENAS.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 5-in., \$25 per 100. A. L. Miller, Brooklyn, N. Y.

FERNS.

NEPHROLEPSIS HARRISII.
Strong stock for growing on.

2½-in. pots \$8.00 per 100
4-in. pots 20.00 per 100
6-in. pots 50.00 per 100

J. A. PETERSON & SONS,
Westwood, Cincinnati, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in. pots, 15c each or \$12.50 per 100; 5-in. pots, 25c each or \$22.50 per 100. Edw. Doerge Co., 4344 N. Springfield Ave., Chicago, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000, 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bostons, 2½-in., \$5 per 100; 500 for \$24. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Adiantum cuneatum, 3-in., \$8 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Robbink & Atkins, Rutherford, N. J.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Geraniums, Poltervine, Nutt, Ricard, Doyle, Vlaud, La Favorite, Rose, Ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, unrooted top cuttings, S. H. Nutt, 75c per 100; \$6.50 per 1,000. Otto J. Hembrerker, Lincoln, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poltervine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Nutt, Buchner, Ricard, Perkins, Poltervine, 2-in., \$2 per 100; 3-in., \$5. Geo. M. Emmans, Newton, N. J.

Geraniums, all the leading kinds, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Lowgan, N. C.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otakus, 3-in., 2 to 4 shoots, \$8 per \$100; \$75 per 1,000. Erie Floral Co., Erie, Pa.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchinson & Co., New York.

Lily of the valley, F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

FROM STORAGE.

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOSS.

Fresh stock of floral moss for designing and decorating. Guaranteed to be A1. If not as represented, purchaser can return at our expense. Also fibrous peat, good quality, one 10-bbl. bale, \$4; two 10-bbl. bales, \$7. Price list mailed on packing moss in quantity. W. H. Stackhouse, Waretown, N. J.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Surplus shrubs for fall planting for sale. Rose of Sharon, Deutzia-Pride of Rochester, Forsythia, Kerria Japonica, Spirea Anthony Waterer, Weigela, three varieties. Charles E. Frankenbach & Sons, Southampton, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks, English manetti; Japan lilies, radia. McHutchison & Co., New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178 Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock Co., Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. McHutchison & Co., New York.

Cycas stems. Yokohama Nursery Co., 31 Barclay St., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

IT'S THE PANSIES.—More orders booked in July for MASTODON PLANTS and SEED than any entire year in the past nineteen years exclusive cultivation of pansies. Free color plate catalog. Plants ready Sept. 5th, 100, 50c; 1,000, \$3; 5,000, \$12.50. All prepaid. Perfect order delivery guaranteed in U. S. and Canada. Seed, 1/12 oz., \$1; 1/4 oz., \$2.50; 1/2 oz., \$4.75; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, best German strain, separate varieties, \$2.50 per 1,000. O. K. Heege, Station S, Seattle, Wash.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttel, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2 1/2-in., \$6 per 100; \$50 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

POINSETTIAS OUR SPECIALTY.

Headquarters of the West.

2 1/2-in., strong plants.....\$5.00 \$40.00
2 1/2-in., extra strong plants..... 6.00 50.00
We Practice Particular Packing.

ROBER & RADKE,

Maywood, Illinois.

POINSETTIAS, rooted top cuttings, true type, 2 1/2-in. pots, for July, August and September delivery at \$6 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 332 N. Michigan Ave., Chicago.

Poinsettias, well established 2 1/2-in. none better, \$5 per 100; \$40 per 1,000. Cash, W. Stertzing, 7280 Manchester Ave., St. Louis, Mo.

Poinsettias, 2 1/2-in., \$5 per 100. Erie Floral Co., Erie, Pa.

Poinsettias, 2 1/2-in., now ready, \$5 per 100. Cash, please. Harry Heintz, West Toledo, O.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primroses, Chinese and Forbesii, 2 1/2-in., \$2 per 100. Obconica grandis, alba and rosea, \$2. Obconica Gig. and Kermesina, \$3. Malacoides giant baby, \$2. Jos. H. Cunningham, Delaware, O.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula Sinensis, \$3 per 100; \$25 per 1,000. Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Malacoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primula obconica, 2 1/2-in., \$2 per 100; \$20 per \$5. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.

American Beauty, 2 1/2-in.....\$4.50 \$40.00
Jardine, 2 1/2-in. 3.00 25.00
Ready Now. Order Early.

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

Rose Erna Teschendorf, 2 1/2 in., 20c each; \$2 per doz.; \$15 per 100; 3 1/2 in., 30c each; \$3 per doz.; \$20 per 100; 4 in., 35c each; \$3.50 per doz.; \$25 per 100; 2-yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, grafted White Killarney, 3 1/2 and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, 500 Kaiserin, 475 Carnot, 500 Richmond, \$6 per 100. 1,500 My Maryland, \$5 per 100. Erie Floral Co., Erie, Pa.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Am. Beauties, 2 1/2-in., \$5 per 100; \$45 per 1,000. The Leedle Floral Co., Springfield, O.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2 1/2-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.....	\$2.50	\$0.50
" Gracillius luminosa, finest red. 2.50	.50	
" Triumph, finest white.....	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Seeds, beans, beet, cabbage, carrot, kohlrabi, leek, lettuce, onion, peas, radish, spinach, turnips, sweet, asters, balsams, begonias, carnations, cinerarias, gloxinias, larkspur, nasturtium, pansies, petunias, phloxes, primulas, scabious, stocks, verbenas, zinnias, etc. Henry Mette, Quedlinburg, Germany.

Seeds, cucumber, muskmelon, squash and pumpkin, sweet, flint and Dent seed corn. The C. Herbert Coy Seed Co., Valley, Douglas Co., Neb.

Seeds, pansy, trade pkt., 50c; \$1.50 per 1/4 oz.; \$5 per oz. Cyclamen, English Strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

The Gerbera hybrid (Barborton daisy), 50c per pkt. Roots from old plants, 50 for \$6. Etablissements Horticoles Du Littoral, Cap. D'Antibes (Alpes-Maritimes), France.

Seeds. Pansies. For varieties and prices see advertisement elsewhere in this issue. Arthur T. Boddington, 342 W. 14th St., New York.

Giant pansy seed, the Kenilworth strain. For prices see advertisement elsewhere in this issue. Chas. Frost, Kenilworth, N. J.

Seeds, cucumbers, cantaloupe, watermelon, squash and pumpkin, sugar flint and field corn. J. C. Robinson Seed Co., Waterloo, Neb.

Seeds, beans, peas, sweet corn, onions, turnips, radish, beet, etc. The Everett B. Clark Seed Co., Milford, Conn.

Seeds, beans, peas, radish, and all garden seeds, onion sets. Leonard Seed Co., 226 W. Kinzie St., Chicago.

Seeds, pepper, egg plant, tomato, vine seed and field corn. Edgar F. Hurff, Mullica Hill, New Jersey.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, beans, cucumber, tomato, muskmelon, squash, watermelon, radish, sweet corn. S. M. Isbell & Co., Jackson, Mich.

Seed, cyclamen, English strain, \$1 per 100; \$9 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seed, cyclamen. For prices see advertisement elsewhere in this issue. Weigelt & Co., Erfurt, Germany.

Seeds, peppers, egg plant, tomato, vine seed and field corn. George R. Pedrick & Son, Pedricktown, N. J.

Seeds, sweet pea and nasturtium specialists, and flower and garden seeds. Routzahn Seed Co., Arroyo Grande, Calif.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Onion sets. Everette R. Peacock Seed Co., 4003 Milwaukee avenue, Chicago.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Seeds, oats, barley, wheat. The General Swedish Seed Co., Svalof, Sweden.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahama Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds. Arthur T. Boddington, 342 W. 14th St., New York.

Seeds, beans. Henry Fish Seed Co., Carpenteria, Calif.

Lawn grass seed. J. Oliver Johnson, 1876 Milwaukee Ave., Chicago.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop. Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.
 Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.
 Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.
 Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, Killarney pink, sulphur, yellow and pure white, from 2¼-in. pots, \$2 per 100; \$18 per 1,000. Cash. W. F. Duntzman, Bensenville, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BOILERS.

Boilers, all sizes. Kroeschell Bros. Co., 452 W. Erie St., Chicago.

Boilers. The Moninger-Furman; 200 sizes and styles. John C. Moninger Co., 902 Blackhawk St., Chicago.

Boilers. The Superior Standard. The Superior Machine & Boiler Works, 850 Superior St., Chicago.

Boilers, steam and hot water. International Heater Co., Utica, N. Y.; Chicago, Boston and New York.

Boilers. Metropolitan Material Co., 1394 Metropolitan Ave., Brooklyn, N. Y.

Boilers. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers. Freeman high pressure tubular. The S. Freeman & Sons Mfg. Co., Racine, Wis.

Wilks' self-feeding hot water boilers. S. Wilks Mfg. Co., 3503 Shields Ave., Chicago.

Boilers, water and steam. Boynton Furnace Co., 131 W. Lake St., Chicago.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Greenhouse lumber of all kinds. Lockland Lumber Co., Lockland, O.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ¼ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

**The Meyer Green Silkline**

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse Construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2034-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Canoes, 2 ft. elm bark, \$4 per doz.; 3 ft., \$6; 6-in. birch bark at \$1. Geo. A. Kuhl, Pekin, Ill.

Famous Magnolia leaves, green and brown, \$1.50 per box. M. Rice & Co., 1220 Race St., Philadelphia.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Red Devil glass cutter. Smith & Hemenway Co., 151 Chambers St., New York.

Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Printing catalogues our specialty. Regan Printing House, 527 Plymouth Pl., Chicago.

Ribbons and chiffons. Wertheimer Bros., 563 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Clara cemetery vases, 12 ins. high, doz., \$2.50; barrel of 3 doz., \$6, f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

: ATTENTION :

Wholesalers, Supplymen and Large Consumers ::

We are soon going abroad
to make our fall purchases.

?? Will You Place Import Orders ??

On first quality Cycas Leaves, Genuine Imported Waterproof Crepe Paper (trade-mark Westfalia), Gold Leaf Script Letters and Words; also any other article coming from across the ocean which is worth while handling.

Write us now and we will let you in on
Bedrock Prices

American Importing Company

219 South Dearborn Street

CHICAGO, :: :: :: :: ILL.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Mention the American Florist when writing

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Taylor Syphon Circulator. Taylor Steam Specialty Co., 36-38 Jackson St., Battle Creek, Mich.

The Fumigating Kind Tobacco Powder, \$2 per bag 100 lbs. The H. A. Stoothoff Co., Mount Vernon, N. Y.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 00c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Bamboo stakes. Yokohama Nursery Co., 31 Barclay St., New York.

WAX DESIGNS.

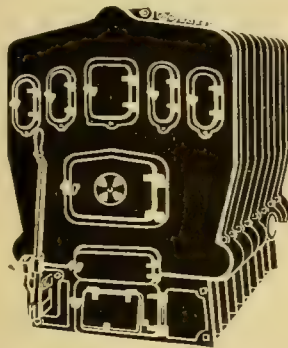
Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.



Steel Tubular Boilers are Costly and Difficult to Install. Burnham Cast Iron Sectional Boilers are Easy to Handle and Inexpensive to Erect.

Steel tubular boilers require expensive chimneys. The foundation work, building of a fire box or bricking-in is also a big expense. The moving of a tubular boiler from the cars to your cellar is an engineering problem of no small size. Then there is the frequent expense of retubing that's always hanging over your head.

Burnham Cast Iron Boilers have no tubes to replace—resist destructive rusting—require no ex-



pensive chimney or masonry work—the sections are so easy to handle that two or three men with a monkey wrench and

a screw driver can set them up. These are boiled down facts: Small ranges cannot be economically heated by steel tubular boilers. Owing to the number of boilers required to heat a large range of greenhouses, cast iron boilers are not economical.

We will advise you frankly which you should have and sell you either kind you want. Write us.

Lord & Burnham Co., Irvington, N. Y. Des Plaines, Ill.

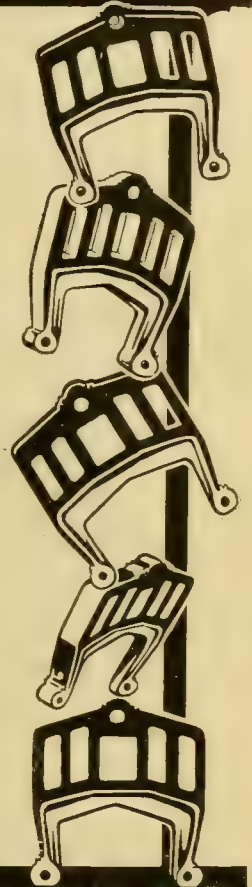
SALES OFFICES:

NEW YORK
St. James Building

BOSTON
Tremont Building

PHILADELPHIA
Franklin Bank Building

CHICAGO
Rookery Building



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

Over 5,000 Florists Are Using RED DEVIL GLASS CUTTERS



YOU need a Glass Cutter to cut your greenhouse glass why not use the Best: Genuine "Red Devil" the kind all good glaziers use. Your local hardware store sells them. Just insist on

"It's all in the wheel"

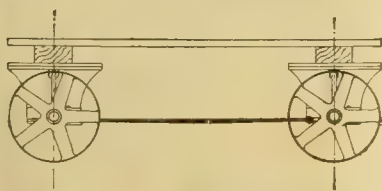
Red Devil Glass Cutter No. 024.

SMITH & HEMENWAY CO., 150 Chambers St., New York City, N. Y.

Largest Makers of Glaziers Tools in the World.

Genuine "Red Devil" and take no substitute. We have given away nearly 3,000 samples to florists. If you did not get one, send us this adv. and 3-2c stamps and one sample only of the best Glass

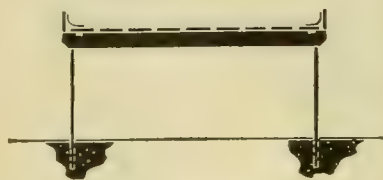
4TH OF JULY



Is a big day for most of us and so is a Garland Handy Truck a big asset to your greenhouse business. One man bought a truck and threw his boxes and wheelbarrows away. He claims that he saved the price of his truck the first week. A Garland Handy Truck is

what you need. Write for our offer today.

GEO. M. GARLAND CO., Lock Box S, Des Plaines, Ill.



You careful buyers of benches — look you. Here is a good one.

It has three kinds of goodness—

- 1—The goodness of the materials.
- 2—The goodness of its simplicity or ease of erection.
- 3—Its goodness of lasting.

The sides, bottoms and cross pieces are cypress—not pecky, or sappy cypress, mind you, but the same kind William Nicholson, of South Framingham, Mass., put in his benches twelve years ago—and the benches are still in splendid condition.

The sides of our benches are braced by a piece of wrought iron bolted to the bottom.

The legs are pipe set in holes in the cross piece.

A little concrete footing holds them in place.

A good bench—an economical bench.

Send for price.

Lord & Burnham Co.

SALES OFFICES:

New York Philadelphia
St. James Bldg. Franklin Bank Bldg.
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

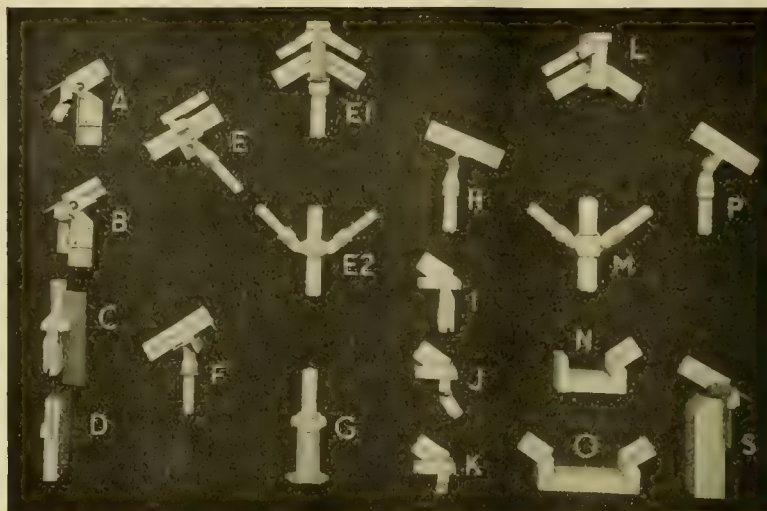
Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

544-48 W. Madison St., - - CHICAGO
Phone 2496 Monroe



Some Construction Parts

Pick out any of the construction parts shown here—write us the number letter, and we will give you a price that will interest you.

- A. Angle Eave Roof Bar Bracket, wrought iron post and post fitting equipped with side ventilating.
- B. Same as A with solid glazing.
- C. Sill detail for double boarded sides.
- D. Base board detail for double boarded sides.
- E. Branch column strut detail when attached to angle purlin. The Grip Tight Column Fitting is bolted to the purlin and the column strut, the bolts passing directly through these members.
- E1. Ridge detail with column cap fitting for center columns.
- E2. Double Strut with "Grip Tight", bolted through, Strut Fittings for Branch Columns. (M shows a Friction Clamp Type of fitting. Not as efficient as the "Grip Tight," as they depend entirely on friction to prevent their slipping.)
- G. Cast Iron Adjustable Foot Piece for columns.
- H. "Hang Fast" Column Fitting for angle purlins. It is adjustable for different roof pitches.
- I. Cypress Eave with boarded sides.
- J. Cypress Eave with hinged sash.
- K. Cypress Eave with solid glazing.
- L. Ridge detail. The ridge and cap are "cut in" to take vent sash, making a weather tight joint.
- M. Double Strut Friction Clamp Fittings, not bolted through.
- N. All cypress side gutter.
- O. All cypress center gutter.
- P. Same as H, only adjusted to sharper pitch.
- S. Angle Iron Plate, with roof bracket attached, used with 3x4 wooden post.

Hitchings & Co.

Elizabeth, New Jersey

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (26 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

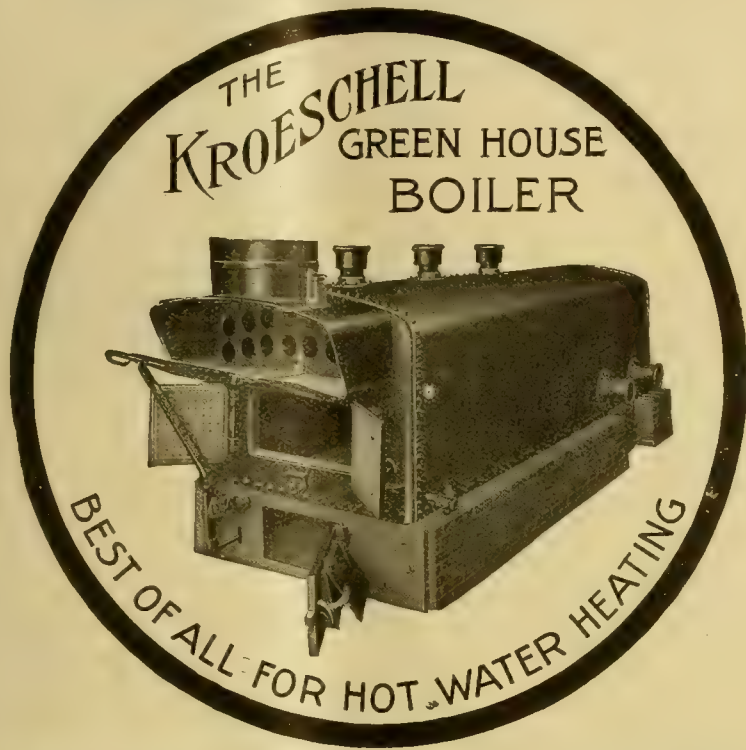
Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.,

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), or

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).



KROESCHELL BROS. CO., 452 W. Erie Street,
CHICAGO, ILL.

WHAT THE USERS SAY

— ABOUT —

KROESCHELL BOILERS

Cast Iron Boilers Break Down.

Have fired greenhouse boilers since 1885, both steam and hot water. Yours suits me the best. I have two of your boilers. At one time I had two cast iron boilers working together, and during a blizzard the rear section of one boiler gave out and the front section of the other sprung a crack a couple of months later. No more cast iron boilers for me. I came very close to freezing out in both instances.

G. M. THOST, DeSoto, Mo.

Would Not Have a Cast Iron Boiler for a Gift, Since I tried the Kroeschell.

The No. 6 boiler is heating my entire range. I believe it would take care of 18,000 square feet. Have no trouble to keep temperatures of 55 to 60 degrees—I could keep 80 to 90 degrees if I had to. During the coldest nights I fired at 9, 12 and 3 o'clock. The boiler has given entire satisfaction—in fact, more than I expected. Previous to this I had a cast iron boiler, but would not have it for a gift now. If I know of any one needing a good boiler, I shall recommend the Kroeschell Boiler above all.

JOHN LIETZAU, Geneva, Ill.

The Kroeschell Does Our Work Easier than Cast Iron Boilers and Saves Twenty to Twenty-five Per Cent Fuel.

The No. 4 Boiler is heating 10,000 square feet of glass—it would take care of 15,000 square feet easily. Have no trouble to keep temperature of 50 and 60 degrees in coldest weather. The boiler has given perfect satisfaction. We had two cast iron boilers, one rated for 1,200 feet of pipe and one rated for 1,500 feet. These boilers never did the work at their best and when the greenhouses were new. According to our experience with yours, we will save twenty to twenty-five per cent of fuel.

HILD BROS., Lake Forest, Ill.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING
APPARATUS**

H. BAYERSDORFER & CO.

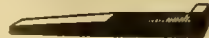


**Florists'
Supplies.**

1129 Arch Street,

PHILADELPHIA, PA.

Send for our new catalogue.



SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 3/4 and 1/2. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
59 36 Penn Ave., near Bighland, Pittsburgh, Pa.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

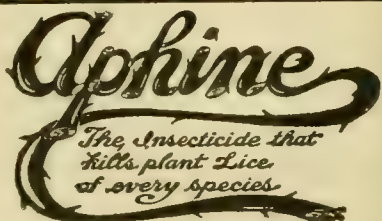
Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO

Mention the American Florist when writing



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.
M. C. Ebel, General Manager.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

McKeesport, Pa.

Harry T. Watson, though engaged in other business, has found time to erect and superintend two greenhouses where he grows a good stock of plants. Much of his stock is taken by Jas. B. Smith, another local retailer and seedsman.

J. M. Johnston, who now has the business once known as the "McKeesport Floral Co.," has about 35,000 square feet of glass, and two stores, one at Sixth and Locust streets and another at Braddock.

Jesse Turner has two houses near Fike station on the electric line to Wilmerding. He grows a considerable stock of plants, is a hard working young man and deserves to be successful.

C. L. Kelly's seed and implement store is worthy to be ranked with similar enterprises in the metropolitan centers. He occupies large space in the Hibernian Temple building.

John Orth is both a florist and seedsman and is ably assisted in the management of the business by his daughter.

John Butler has several thousand square feet of glass and is increasing his business.

Chas. Daugherty has a neat retail store and buys his flowers in Pittsburgh.

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag

Money with order

Satisfaction guaranteed or money back

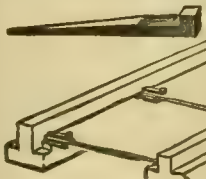
Interstate Tobacco Co.
1397-1399 Ave. A, New York.

FERTILENE

Especially prepared for the production of luscious **CHRYSANTHEMUM BLOOMS.**

THE ADVANTAGES of Fertylene over other manure, are: It is clean, has no offensive odor, is soluble and thus easily prepared; is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor and gives accurate results. 1-oz. is sufficient for ten gallons. Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one-pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

**VAUGHAN'S
SEED STORE,**
Chicago New York.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

EAGLE MACHINE WORKS RICHMOND, IND.



Exclusive
manufacturers
of the

"RICHMOND" CARNATION SUPPORT

Under Patent issued April 4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Cattle Manure in Bags

Shredded or Pulverized

Pure—dry—uniform and reliable. The best of all manures for the greenhouse. Florists all over the country are using it instead of rough manure.



Pulverized Sheep Manure

Absolutely the best Sheep Manure on the market. Pure manure and nothing else. The best fertilizer for carnations and for liquid top-dressing. Unequaled for all field use. Write for circulars and prices.

The Pulverized Manure Company,
32 Union Stock Yards, Chicago

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

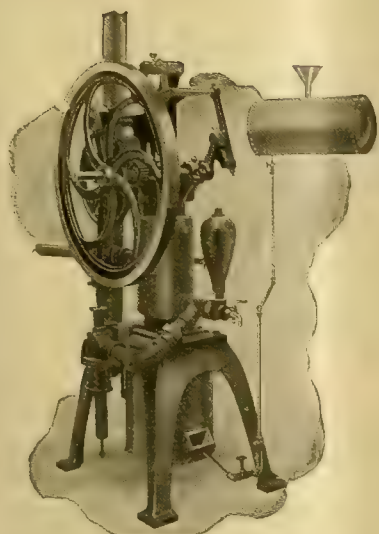
This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

THE EARLY ADVERTISE- MENT GETS THERE.



Hot Air Pumping Engine

AUTOMATIC WATER SUPPLY

OUR system consisting of pump motor, pneumatic tank and automatic switch, will automatically supply water for all purposes.

The Hot Air Pumping Engine has no equivalent where electric power is not available.

Centrifugal circulating pump for hot water heating system.

Automatic condensation pump and receiver.

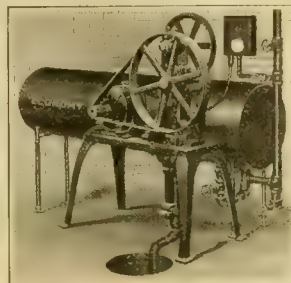
Bilge pumps, triplex pumps, cellar drainers, etc.

Manufactured by

THOMAS & SMITH, Inc.

116-118 No. Carpenter Street :: CHICAGO, ILL.

For full information write for catalog B.



Automatic Electric Water System

Hot-Bed Sash, Too.



KING

Greenhouses

**LIGHT,
STRONG,
LASTING.**

The Three Prime Qualities.

**Iron Frame,
Semi-Iron Frame,
Private Conservatories.**

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

Write for Bulletins and
Question Blank.

King Construction Co.,

Home Office and Works:
NORTH TONAWANDA, N. Y.

Boston Office:
Winthrop Bldg., 7 Water Street,
BOSTON, MASS.

Eastern Sales Office:
1181 Broadway, NEW YORK

REED & KELLER,

122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our
Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

**J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :**

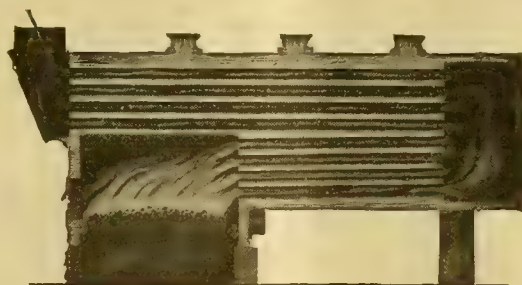
CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

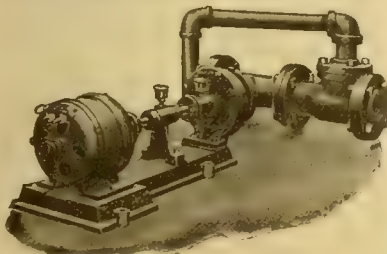
Superior Machine & Boiler Works

486-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

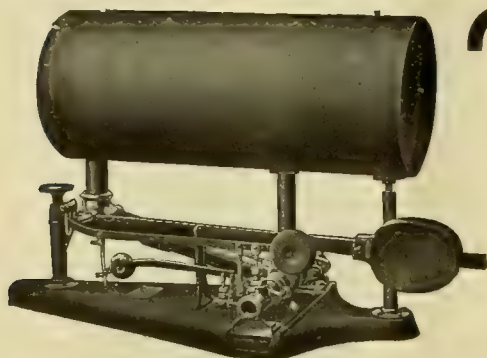
Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Mention the American Florist when writing



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE. For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

M. WINANDY CO., Mfgs.

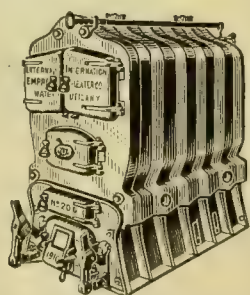
Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St., **CHICAGO**
Telephone Ravenswood 607.

Mention the American Florist when writing

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.



Describe a
First-Class
Greenhouse
Boiler.

Fuel capacity
for the longest
winter.

Simple enough
to be fool proof
and conservatively
rated.

That is the
**INTERNATIONAL
Empress Boiler**
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.

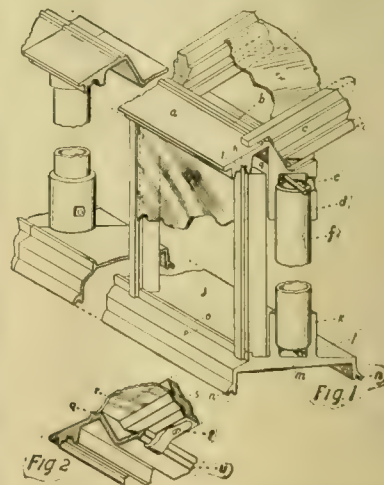
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on **Greenhouse Louisiana Cypress** material, heating, ventilating, bench materials, hotbed sash, etc.

**1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.**

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., **CHICAGO**

Mention the American Florist when writing

NOW READY

The American Florist Company's

Trade Directory

FOR 1912

Contains 646 Pages.

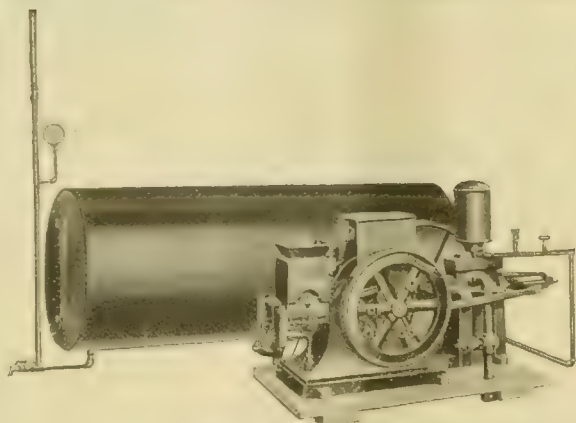
Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St., CHICAGO

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,

902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12005, with arms, price, ... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World. We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems.** Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order,** one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing



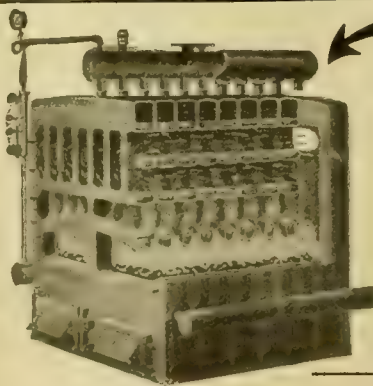
PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA



Boynton Furnace Co.

SOLE MANUFACTURERS OF
BOYNTON'S

WATER and STEAM BOILERS

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago { Jersey City
131 W. Lake St

1868

1912

Lockland Lumber Co.

GREENHOUSE LUMBER

Lockland

Ohio.

PECKY CYPRESS

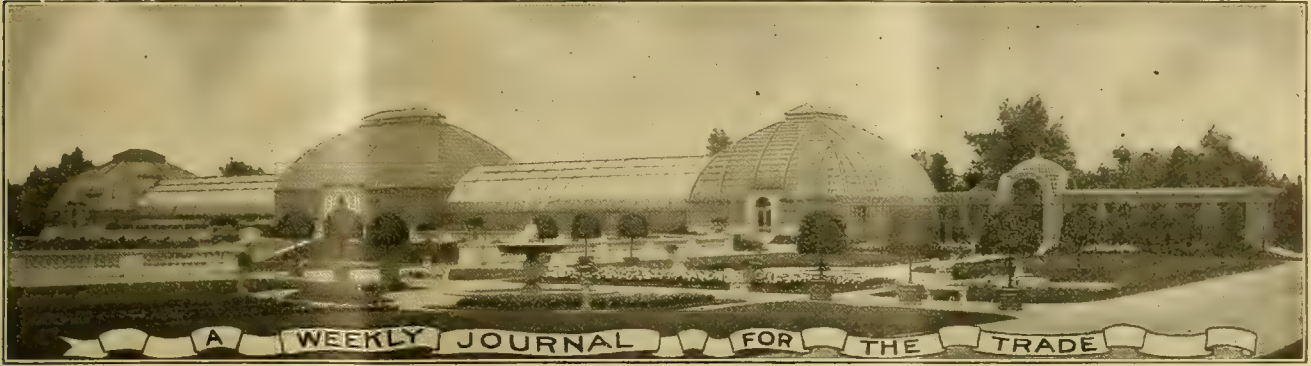
CEDAR POSTS, DROPSIDING AND OTHER GREENHOUSE LUMBER

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

Edward Hines Lumber Company, RETAILERS OF EVERYTHING IN LUMBER.

Edgewater and Roschill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, SEPTEMBER 7, 1912.

No. 1266

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—**RICHARD VINCENT, JR.**, White
Marsh, Md., President; **AUGUST POEHLMANN**,
Chicago, Vice-President; **JOHN YOUNG**, 54 West
Twenty-eighth street, New York, Secretary; **W. F.**
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—**J. K. M. L. FARQUHAR**, Bos-
ton, Mass., President; **THEO. WIRTH**, Minneapolis,
Minn., Vice-President; **JOHN YOUNG**, New York,
Secretary; **WM. F. KASTING**, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. **JOHN YOUNG**, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. **CHARLES H. TOTTY**, Mad-
ison, N. J., President; **C. W. JOHNSON**, Morgan
Park, Ill., Secretary.

AMERICAN ROSE SOCIETY.

Next annual meeting and exhibition at New
York, April, 1913. **A. FARENWALD**, Roslyn, Pa.,
President; **FRANK H. TRAENDLY**, New York,
Vice-President; **BENJAMIN HAMMOND**, Fishkill-
on-Hudson, N. Y., Secretary.

THE AMERICAN CARNATION SOCIETY.

Next annual convention and exhibition at New
York, April, 1913. **PHILIP BREITMEYER**, Detroit,
Mich., President; **A. F. J. BAUR**, Thirty-eighth St.
and Rockwood Ave. Indianapolis, Ind., Secretary.

AMERICAN GLADIOLUS SOCIETY.

Next meeting and exhibition at Minneapolis,
Minn., August, 1913. **I. S. HENDRICKSON**, Floral
Park, N. Y., President; **L. MERTON GAGE**, Groton,
Mass., Sec'y.

AMERICAN SWEET PEA SOCIETY.

Annual convention and exhibition at Boston,
Mass., 1913. **WILLIAM SIM**, Cliftondale, Mass.,
President; **HARRY A. BUNYARD**, 342 W. Four-
teenth street, New York, Secretary.

AMERICAN PEONY SOCIETY.

Next annual meeting and exhibition, June, 1913.
B. H. FARR, Reading, Pa., President; **A. P.**
SAUNDERS, Clinton, N. Y., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Nephrolepis.

The Boston fern and its sports, which have been grown in the bench all summer, should now be potted. The bench is full of young suckers, which, if saved, will make fine stock for another year, so in lifting the old plants take a knife and cut around the plant about two inches from the center and place a trowel under the plant, leaving the young stock in the bench. They will soon start to grow, when they can be placed close together in flats and grown on in a fairly cool house until next spring, when they will make excellent stock for planting out. The plants that are lifted should be large enough to plant in a 6-inch pot. If there is a demand for larger sizes two, three or four may be planted in seven, eight or nine-inch pots. Many of the plants have probably not made an even growth, being more or less one-sided. These should be the ones selected for doubling up in the larger pots. As soon as potted they should be kept close and warm for one or two weeks and frequently syringed; they will then have obtained a good hold in the soil and should be given plenty of light and air. The call for these plants will begin by October 1 and it is much better to have them well established before they go into the residences, and to do this they should be potted by September. The greatest source of disappointment in these plants is in sending them out before they have become established. The Whitmani and finer leaved varieties are now growing rapidly and should be given room enough to spread and make fine plants.

Poinsettias.

The plants of poinsettias, in the northern section of the country, should be in the houses by September 1, for cool nights are apt to occur from that date on and the successful culture of these plants requires an even temperature. The early struck cuttings should be potted into 6-inch pots and properly staked, the smaller stock to be grown in pans can be grown until October in the small pots. Give the plants a light location in full sun-

light, and space 'out sufficiently' to allow a good circulation of air around the plants. In potting the plants if there are no arrangements so that they can be watered with manure water later, leave a good inch of space at the top so that they can be given a top-dressing when the bracts begin to form. An extra feeding at that time will greatly increase the size of the bracts and brilliancy of the color. Close the ventilators on all cool nights as soon as the temperature falls below 60° and as soon as the night temperatures begin to run lower than that point a little fire heat will be necessary. The one great point in growing poinsettias is in keeping them at an even temperature and growing rapidly.

Sweet Peas.

To have sweet peas in bloom by Christmas the seed should be sown about September 1. If it is intended to grow them to follow some crop that is now in the beds they can be sown in pots, but if the beds are now ready it is better to sow them in the beds themselves. The growers of large quantities have the rows running lengthwise of the houses, two rows in each four-foot bed, one on each side, with a path in the center, but they can also be grown in rows running across the beds, the rows being about three feet apart. This distance will be found necessary or the plants will get twined together, making a bad snarl of the vines. In sowing the seed in pots, place five or six seeds in a 4-inch pot, and in sowing in drills in the bench, plant the seeds about an inch apart. It is very easy to thin them out if they come up too thick, and one good strong plant to a pot and about eight inches apart in the row is about what should be left to grow on. It is often difficult to get good germination during the hot weather, therefore it is well to plant enough seed. Many growers have trouble with the seed rotting and also the plants damping off after they have grown to quite a height. They must be watered very sparingly until they begin to climb on the strings. The white seeded varieties are often very

difficult to start; a good way which we have found very successful is to sow the seed in the drills on top of the soil, throwing a little sphagnum moss over them until they begin to grow, when they can be lightly covered with soil, and when they begin to climb the drill can be filled in. This will prevent the seed from rotting and proper watering will remedy the damping off.

Marguerites.

The marguerites for winter blooming will soon have to be potted in their blooming pots. This can be done now at any time and if they are becoming pot-bound the sooner the better. Nine and ten-inch pots are none too large if good flowers are to be grown, and the soil should be good and rich. Pot firmly, using a rammer that the soil can be made solid, and use good drainage. Keep the buds picked off until cool weather sets in. The blooms that are made during the warm weather are of inferior quality and no good flowers will be produced until the plants get a good hold in the new soil. The plants are far better plunged in frames for some time yet than in the houses, for they may become infested with red spider under the glass. The plants in the benches will need to be frequently sprayed to keep them free from insects and the blooms should be kept picked off of them for some time yet. When cool weather approaches allow the flowers to come along. Cuttings can be made at this time which will make nice flowering plants about the turn of the year, at a time when the large plants seem to take a rest and do not bloom profusely. This will ensure a cut throughout the season.

Wallflowers.

The wallflowers that were sown in the spring should now be planted in the benches that they may get a good start before the cool weather sets in. They should be planted in a house that can be held at a cool temperature to procure the best results, a house that does not have a night temperature exceeding 50°, and even 45° is better. They will not bloom to any extent until after the turn of the year when they will stand a little higher temperature. The soil should be a good rich compost and the plants can be set about eight inches apart. Stake the plants as soon as they begin to grow and keep them tied up so that the spikes of bloom will not become crooked. Constant fumigation will be necessary for they are likely to be infected with aphids unless guarded against.

FT. WAYNE, IND.—The Allen County Horticultural Society held a picnic at Robison Park Labor Day.

BATTLE CREEK, MICH.—The eighth annual flower show of the Grand Trunk Shops Horticultural Society Opened here August 20. The exhibition was the most successful in the history of the society and great credit is due its president, J. C. Garden.

PASADENA, CALIF.—The fifth annual flower show of the Pasadena Horticultural Society (formerly the Pasadena Gardeners' Association) will be held October 24-26, inclusive. Copies of the prize list may be had on application to Secretary Geo. H. Kennedy, 497 Bradford street, Pasadena, Calif.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Corsage Bouquet.

The corsage bouquet illustrated herewith is made of Ward roses, gardenias and pale blue flowered ribbon. Making a corsage seems easy to the average person, and especially where only one flower is used. Where more than one variety of flowers is used the result is usually heavy looking and in many instances it is entirely too large. Blending the delicate shades, say of pink, blue and lavender, requires skill. To create something original or novel in a corsage and not allow our European friends to outstrip us we must have a thorough knowledge of colors. This holds good in any line of the floral business, however. He who has the knowledge and the courage of his convictions can create and originate. The less fortunate ones will trail behind proportionately. H. E. K.

Convention Novelties for the Retailer.

H. G. Dreyer & Sons' new adjustable wrought iron blackened and Japanned plant stand is a thing of merit. From a pedestal or a single plant to one holding a dozen is an easy transition. There is certainly a place for this practical stand.

Schloss & Co.'s new bridal scarf with fringed edge, velvet corsage ties with ribbon roses, and embossed taffeta ribbon were all good and likely to become staple.

Carbone's individual glass vase or flower tube for a single rose is a very dainty ornament for the dinner table or my lady's bureau.

The Roseville Pottery's green terra cotta vase with flaring top is just the thing for a window or center vase. It is made in several sizes.

Bayersdorfer's "chariot of peace" is a flight of fancy, five doves being driven to a chariot of flowers. This makes an elaborate but not large piece for a funeral. Their imperial china vase will add a touch of elegance to any stock.

Sprinkle proof ribbons and chiffons are a distinct advantage and the Wertheimer Bros. say they are rapidly increasing their line.

L. Bauman's artificial poinsettias, chrysanthemums and American Beauty roses were very natural looking and will be found very useful for decorating.

Among M. Rice & Co.'s novelties the Florentine art work as well as the iridescent colored willow and rattan baskets stood out and at once attracted attention.

Dainty reed baskets with raised composition flowers in colors were bright spots in the Raedlein Basket Co.'s display.

The greenhouse man also found new wrinkles and useful novelties for house construction. The Garland truck for greenhouse carrying is about the last word in this line. The double action of the axles controlled by the handle enables it to be turned in a very small space. Their light iron sashbar, fitted with zinc lining over and under the glass appears to have a field for itself.

A new idea in ventilating machinery for eave sash and also another for the side transoms was a feature in the Lord and Burnham exhibit. Their chain operated gear does away with a column and universal joint.



CORSAGE BOUQUET.

By Henry E. Klunder, Chicago.

Hitchings & Co.'s sliding gear for transoms and the new "Z" wallplate bar which prevents the accumulation of ice were features of their exhibit. Their new model boiler is made in forty sizes to suit all sized houses and requirements.

Foley's flat rafter is a strong point in the construction of large houses. A bar clip of malleable iron for attaching sash bars to eave plate or iron gutters is a distinct Foley idea that has great merit.

Moninger had many good things. His pipe hanger especially attracted considerable attention.

Rose Tree Centerpiece.

The present-day florist is forced to exercise his ingenuity to the very limit in order to keep up with the times and show progressiveness—something different or out of the ordinary seems to be essential. The above design represents an old-fashioned table decoration, the broken-down fence helping to convey this idea, while the rose tree in itself modernizes the arrangement, giving your dinner guests a pleasant surprise on account of the original construction. This design permits of a great variety of arrangements. For a small table, the center tree alone is used. This can be made entirely of open roses or part buds and the rest of flowers in different stages of development. Then you can use all buds, in which case a greater number of flowers will be necessary.

For large tables, the small rose tree can be used, surrounding the larger tree at equal intervals. These miniature trees can be distributed as favors after the dinner is over. The construction is very simple: use soft wire to keep the heads from drooping; make a round bouquet of as many roses as will be necessary for the size of the table to be decorated. Take half a dozen old American Beauty stems, remove the foliage, leaving on all the thorns. Fasten these stems around the handle of the bouquet. Take an ordinary piece of pine board and fasten a round block to the center of it. Cut the American Beauty stems even on the bottom after deciding upon the right height. Cover the board with green moss. Some of the roses must be bent downward so the tree will look irregular and as artistic as possible. Adiantum or asparagus can be used around the base of the tree. For this arrangement, fancy jardinières may also be used. In this case the moss must first be packed into the jardinières very tightly, then the stems forced in and then the crown fastened to the stems.

H. E. K.

Mrs. McCoy's Wreath for Imperial Bier.

Mrs. L. W. McCoy, one of the enterprising florists of Seattle, Wash., recently built a six-foot high wreath of laurel and cypress leaves to be used as the floral tribute of the United States to the late Emperor of Japan. The wreath was delivered to Secretary of State Knox the day he sailed to attend the imperial funeral. It was tied with red, white and blue ribbons.

ONEONTA, N. Y.—C. W. Peck is building a new greenhouse.

DES MOINES, IA.—The Society of Iowa Florists held its annual meeting Wednesday evening, August 28, in the horticultural rooms of the state house.



ROSE TREE CENTERPIECE.

Restrictions on Cut Flower Shipments.

The French decree of April 19, 1912, prohibits the importation of Italian cut flowers into France from May 1 to November 1 each year. This affects chiefly the Italian Riviera region (Liguria), which exports to the neighboring republic large quantities of cut flowers, chiefly roses, although carnations and violets have also been shipped in the past.

The reason for this prohibition is the prevalence of *diaspis pentagona*, a pest which destroys the mulberry tree, thereby injuring silkworm culture and menacing the silk industry. It seems that the larvæ of the *diaspis pentagona* are not mature from November to May, and for that reason cut flowers are not so apt to spread the parasite in that season as throughout the summer. The height of the Italian exportation of roses to France is said to be during December, January and February.

The exports of fresh flowers from Italy to all countries in 1911 were: Austria-Hungary, 3,052,720 pounds; France, 1,230,460 pounds; Germany, 1,595,880 pounds; Switzerland, 214,060 pounds; other countries, 105,600 pounds; total, 6,198,720 pounds, valued at \$1,631,390.

The Italian Ministry of Agriculture, Industry and Commerce publishes the following list of plants which are rec-

ognized as subject to the infection of the *diaspis pentagona*: *Celtis australis*, L. (lotus); *berberis stenophylla*, Hance; *Cisalpina japonica*; *caryopteris mastacanthus*; *bignonia catalpa*, L. (catalpa); *ceanothus americanus*, L.; *solanum dulcamara*, L. (woody nightshade); *phaseolus vulgaris*, savi (bean); *sterculia plantanifolia*, L.; *fraxinus excelsior*, L. (ash); *fuchsia* spp., L. (fuchsia); *euonymus europæus*, L. (spindle bush); *morus alba*, L.; *morus nigra*, L. (mulberry); *broussonetia papyrifera*, Went. (paper mulberry); *jasminum officinale*, L. (jasmine); *gymnocladus dioica*, L.; *genista scoparia*, Lam.; *gleditschia ferox* and *G. triacanthos*, L.; *aesculus hippocastanum*, L.; *kerria japonica*; *prunus laurocerasus*, L.; *humulus lupulus*, L. (hop.); *olearia haastii*, Hook; *amygdalus communis*, L.; *berberis aquifolium*, pursh.; *juglans regia*, L.; *urtica dioica*, L.; *paulownia imperialis*, L.; *pelargonium* spp., L'Her.; *amygdalus persica*, L.; *phillyrea vilmoriniana* o *decora*, Boiss. e Bal.; *populus pyramidalis*, Salisb.; *pachyrizus* (thunbergiana, Benth.); *ribes rubrum*, L.; *salix* spp., L.; *salvia officinalis*, L.; *choisya ternata*; *syringa vulgaris*, L.; *sophora japonica*, L.; *spirea japonica*, L.; *trachelospermum* (*rhyncospermum*) *jasminoides*; *ribes uva crispata*, L.; *ampelopsis quinquefolia*, Mich.; *vitis vinifera*, L.; *cucurbita omnium*.—Daily Consular and Trade Reports.

American Gladiolus Society

The Annual Meeting.

The meeting was opened by President Hendrickson at 9:30 a. m. The minutes of the Baltimore meeting were read by the secretary, followed by a speech of welcome by President Vincent of the S. A. F., which was attentively listened to. President Vincent extended the glad hand of friendship, and in the course of his remarks said that he hoped for affiliation of the two societies and thought that the A. G. S. would be strengthened by such a connection. He spoke interestingly of his experiences with our favorite flower, comparing the old *Gandavensis* with the modern strains and varieties with which it seems he has kept familiar. He urged a continuous campaign of publicity and said that every member at the convention should wear a gladiolus as a boutonniere. He was given a vote of thanks.

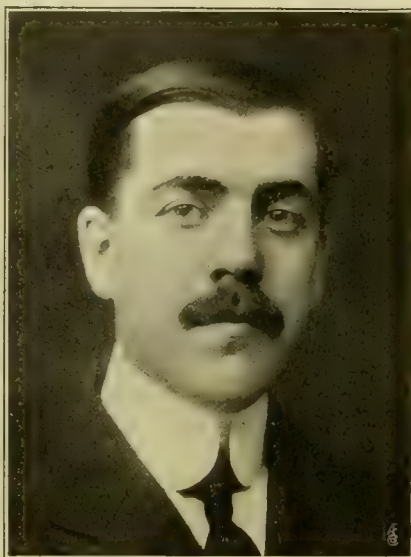
President Hendrickson's Address.

Ladies and gentlemen: Another year has rolled around since our last meeting, and in reviewing the work of the society I cannot say that everything has been accomplished that might have been if your officers had had more time to devote to its interests, but we have been able to hold our own, as far as membership goes. In fact we have had a slight increase. We find that gladioli are increasing in popularity by leaps and bounds. This is especially true in Holland during the present time, and I believe that the interest is spreading all over Europe, as well as our own country, so the future of our favorite flower seems to be assured. I want to take this opportunity to thank our friends who have so generously donated prizes for our exhibits. The responses to our appeals have been most encouraging, and we consider that we are fortunate in the large number of prizes that we have offered for this present exhibition. In addition to this we have a good-sized prize list ready to offer for forced blooms to be exhibited at the National Flower Show in New York City next April.

There are some important things that present themselves to me at this time, and I will mention them for your consideration. One of the most important is the matter of naming new varieties of gladioli. I have referred to this before, but I cannot refrain from calling attention to it again, as it has been my privilege and opportunity to watch the tests of nearly all varieties now offered, and it appears to me that some that have been named recently are not any better, or equal, to some that have been on the market for twenty years; in short, the standard seems to be lower instead of higher at the present time, and the number that are being put on the market is discouraging, therefore I would like to make an appeal to growers to go slow in this matter. I would make another appeal to catalogue men to require some standard to be lived up to before they will list a new variety. The certificate of merit from our society would be a good credential, if we are careful in awarding these certificates.

Another evil that comes to our attention more and more is the practice

of re-naming old varieties. This may very often be done in good faith by a grower, but it does not help the situation any, and it could be avoided if every grower would keep in touch with the nomenclature committee of our society. I believe there is a great work for our society in creating a love and demand for our favorite flower. During the past year we have offered seven sets of medals to various horticultural societies throughout the country to encourage exhibits by amateurs. It is too early to say what the result will be. I would like to see a portfolio of colored plates prepared by the society, if any feasible way could be worked out whereby the proposition could be financed. The



I. S. Hendrickson.

President American Gladiolus Society.

idea is to have uniform plates of the leading varieties made from time to time. These plates could be offered for sale by subscription, or otherwise, and in time a very interesting portfolio would be the result.

There is a movement on foot at the present time for the affiliation of all the societies with the S. A. F. While this presents some disadvantages and objections, yet I believe on the whole it is a move in the right direction, as it seems to me that some plan must be worked out in the near future, if we hope to have any life or activity at all in the various societies. While at the present time most of them are in good working condition, brought on largely, I believe, by the stimulus of the National Flower Shows, I feel that it will not be lasting, as the new members come far too slowly. Take our society for instance—we have a membership only of two hundred; whereas, I am sure you will agree when I say it ought to be two thousand, and we are obliged to use persuasion in holding some of the two hundred, as many feel that it is a burden to belong to anywhere from six to twenty societies. In closing I wish to thank my associates in office, as well as every member of the society, for the hearty co-operation and support they have accorded me during my term of office.

Judges' Report.

E. H. Cushman said that some of the exhibits were excellent; but that there was yet room for improvement, and that the awards were made strictly in accordance with merit. The judges were given a vote of thanks for the fair and able manner in which the judging was conducted.

Color Chart Committee's Report.

Arthur Cowee of the color chart committee reported that they had not yet adopted a color chart, but said that a hand chart by Vilmorin was very good and reasonable in price, and that he would secure a copy. He said that it was advisable to go slowly and secure something that will be altogether desirable. The report was received.

Nomenclature Committee's Report.

Prof. A. C. Beal gave a verbal report of the work of the committee for this year, to date, but said that a complete report would be made at the end of the trials in the fall. This report will be published in a future number of the bulletin. His report was accepted with a vote of thanks. Prof. Beal was made an honorary member of the society. Appropriate resolutions were prepared by Prof. Beal, who was appointed by President Hendrickson to draft them, on the deaths of Prof. L. B. Judson, Prof. John Craig, and W. H. Denning; and it was voted that these resolutions be spread on the minutes of the society, and that copies be sent to the bereaved families. After a lengthy discussion regarding the registering of varieties of gladioli, it was voted on the motion of B. Hammond Tracy, that members of the society pay a fee of \$1.00 for registering new varieties not catalogued, and that non-members pay a fee of \$2.00, all catalogue varieties to be registered before the next meeting or to be charged a like sum thereafter.

Election of Officers.

The election of officers for 1912-1913 resulted as follows: I. S. Hendrickson, Floral Park, N. Y., president; Matthew Crawford, Cuyahoga Falls, Ohio, vice-president; L. Merton Gage, Groton, Mass., corresponding secretary; H. Youell, financial secretary, pending the decision of the executive committee in regard to abolishing this office; Carl Cropp, Chicago, treasurer. Executive committee: Arthur Cowee, Berlin, N. Y.; E. E. Stewart, Rives Junction, Mich.; Maurice Fuld, Philadelphia, Pa. Nomenclature committee: Prof. A. C. Beal, Ithaca, N. Y.; Arthur Cowee, Berlin, N. Y.; Leonard Joerg, Flowerfield, N. Y.

Secretary Gage's Report.

A meeting of the executive committee of the American Gladiolus Society was held in New York city on December 6, with the following members present: Arthur Cowee, E. W. Fenigar, A. T. Boddington, I. S. Hendrickson. The matter of a die and medals was discussed, and it was finally decided to purchase a die and offer ten sets of medals the first year to as many local horticultural societies. It was thought best to offer a silver medal for the first prize and a bronze medal for the second prize, the ten sets of medals to cost \$70.00. The matter of the registration bureau was taken up, and it was decided to combine this committee with that of the

nomenclature committee already established, with trial grounds at Ithaca, New York, where all tests can be made. The matter of certificates of merit was then taken up, and it was the sense of the meeting that these certificates should be awarded only by the nomenclature committee, and not by judges appointed for the annual exhibition. Prize winners for the best articles on gladioli, written for amateurs, were: Mrs. Francis King, Alma, Mich., first; Mrs. May B. Crane, Hammondsport, N. Y., second. President Hendrickson appointed Mr. Cowee and Prof. Beal as members of the color chart committee. I regret to report the death of two of our members, Professor L. B. Judson, who was one of the little party of organizers at Boston, and W. H. Dunning, of New York City, who joined our ranks but recently.

THE NEW MEDALS.

The face or obverse side of our new medals represents a spike of gladiolus flowers with "American Gladiolus Society" engraved around the rim. The reverse side is a simple wreath of gladiolus blooms, with space for engraving. The design is unique and beautiful. The medal is made in sterling silver, colored silver gray, and is also made in bronze. It was designed and made by the Boston Badge Co., Boston, Mass. The medals will be given to the representative horticultural societies which will offer them, in their schedules, to be competed for by amateur exhibitors of gladiolus blooms at summer shows. The conditions require that the individual exhibits shall consist of fifteen named varieties, three spikes each; the same to be correctly labeled. The silver medal is for the first prize and the bronze medal for second prize. The following societies have been given sets of these medals for their summer exhibitions: Massachusetts Horticultural Society, Boston, Mass.; Newport (R. I.) Horticultural Society; Southampton (L. I.) Horticultural Society; St. Catharines (Ont.) Horticultural Society; Pasadena (Calif.) Horticultural Society; Melrose (Mass.) Horticultural and Improvement Society; Worcester County Horticultural Society, Worcester, Mass.; and Elberon Horticultural Society, Asbury Park, New Jersey.

I have received two letters from the secretary of the National Gladiolus Society and the two numbers of their National Hand Book and have sent them copies of all of our bulletins. The secretary, Mrs. Atkinson, writes that it is the earnest desire of the National Society to exchange views and co-operate with our society in straightening out questions of nomenclature.

NEW MEMBERS.

The correspondence has been very large for the past year, and includes many letters soliciting new members which have brought quite satisfactory returns and I have fourteen to my credit. Ten more sent in by other members have been sent to me, besides some more that were sent to Financial Secretary Youell direct.

I believe it would be a good idea to offer a prize to the one securing the largest number of new members for the coming year, and I will promise not to enter the contest because I think the secretary would have a little advantage in a contest of this kind.

Regarding the bulletin, as chairman of the bulletin committee I would say that there are members of our society that could give us a great deal of help in making it more readable and interesting, if they would only feel so inclined. We need items of interest and material for our question box, and any grower, whether a beginner or a man of experience, can often give us valuable suggestions. Thanking those who have given us a helping hand and earnestly asking, like Oliver Twist, for more, I submit this report for your consideration.

L. MERTON GAGE.

The treasurer's report was not read but will appear in the bulletin, together with the report of the financial secretary.



L. Merton Gage.

Secretary American Gladiolus Society.

Report of Exhibition Committee.

"We have much to be proud of in the exhibition. The exhibits as well as the prize list, are more than twice as large as any previous show we ever held. Last year's prizes amounted to \$150.00; but this year it reaches \$350.00, besides gold, silver, and bronze medals, silver cups, etc." H. YOUELL.

Mr. Youell's report was accepted and the committee given a vote of thanks. Prof. Whetzel of Cornell University gave a most interesting and instructive talk on the diseases of the gladiolus, and afterward answered many questions by several of the members present. A petition, to which a large number of signatures of growers were attached, calling for a change of the customs tariff on gladiolus bulbs, was read by Arthur Cowee. It was voted that a copy of this petition be sent to all members to sign and obtain signatures, and that each member take up this matter with his congressman. The discussion regarding what constitutes an amateur exhibitor was referred to the exhibition committee.

"THE GLADIOLUS, an up-to-date book of 120 pages by Matthew Crawford and Dr. Van Fleet, illustrated, price \$1.25, postpaid.

Prize Winners at Chicago Show.

W. A. Burpee's prize, \$10.00; best collection 10 varieties, 3 spikes each—E. E. Stewart, Rives Junction, Mich.

M. Crawford's prize, \$5.00; best 12 spikes, any variety (white)—Jacob Thoman & Sons, Rochester, N. Y.

E. H. Cushman's prize, \$5.00; best 25 spikes any white variety—Jacob Thoman & Sons, Rochester, N. Y.

Vaughan's Seed Store's prize, silver cup; best 25 spikes Kunderd's Glory—A. E. Kunderd, Goshen, Ind.

T. A. Havemeyer's prize, \$5.00; best 6 spikes any white variety—Jacob Thoman & Sons, Rochester, N. Y.

T. A. Havemeyer's prize, \$5.00; best 6 spikes blush or pink variety—John Lewis Childs, Flowerfield, N. Y.

T. A. Havemeyer's prize, \$5.00; best 6 spikes any yellow variety—John Lewis Childs.

T. A. Havemeyer's prize, \$5.00; best 6 spikes scarlet or red—Arthur Cowee.

T. A. Havemeyer's prize, \$5.00; best 6 spikes blue variety—H. W. Koerner, Milwaukee, Wis.

P. Hendrickson & Co.'s prize, \$10.00; best 12 varieties not now on market—Arthur Cowee.

Frank Banning's prize, \$5.00; best Vase America—Cushman Gladiolus Co., Sylvania, Ohio.

C. Belscher's prize, \$10.00; best collection primulinus and its hybrids—A. E. Kunderd.

N. L. Crawford prize, \$5.00; best red seedlings, to be distinct and valuable—Arthur Cowee.

Mrs. Francis King's prize, \$10.00; the most harmonious and beautiful color arrangement of gladiolus—Vaughan's Seed Store, Chicago.

A. H. Austin's prize, \$5.00; best collection 10 new varieties never before exhibited, 3 spikes each—Arthur Cowee.

Jacob Thoman & Son's prize, \$10.00; best 25 spikes any white variety—Jacob Thoman & Sons.

E. E. Stewart's prize, \$5.00; best 25 spikes Golden Queen—Cushman Gladiolus Co.

A. Henderson & Co.'s prize, \$7.50; best collection white varieties, named—Arthur Cowee.

Rowehl & Granze prize; best exhibition Augusta—B. Hammond Tracy, Wenham, Mass.

AMATEUR CLASS.

A. T. Boddington's prize, \$10.00; best collection 6 varieties, 6 spikes each—divided between Albert A. Rosin, Rochester, N. Y., and T. H. Darlington (P. W. Popp, gardener), Mamaronock, N. Y.

S. E. Spencer's prize, silver cup; best 25 spikes mixed varieties—T. H. Darlington (P. W. Popp, gardener).

Arthur Cowee's prize, \$25.00; best 25 spikes Peace—Wm. Robertson, Jenkintown, Pa.

Dr. C. Hoef's prize, \$5.00; best seedlings—Grace Reshore, Dowagiac, Mich.

John Lewis prize, \$10.00; best display 15 varieties, 3 spikes each—T. H. Darlington (P. W. Popp, gardener).

Stumpp & Walter Co.'s prize, \$10.00; best display 10 named varieties, 3 spikes each—T. H. Darlington (P. W. Popp, gardener).

SPECIAL CLASSES.

American Gladiolus Society's silver medal for best exhibit of 15 varieties correctly named, 3 spikes each—Miss Grace Reshore, Dowagiac, Mich.

The Michell silver medal for the best white gladiolus at the exhibit—Jacob Thoman & Sons, Rochester, N. Y., variety "Rochester White."

The Michell bronze medal for the best pink gladiolus at the exhibit—John Lewis Childs, Floral Park, N. Y., variety "Panama."

L. MERTON GAGE,
Cor.-Secy.

Washing Gladiolus Bulblets.

ED. AMERICAN FLORIST:—

Are small bulbs and bulblets of gladiolus injured by washing immediately after digging? H.

The following responses to the above question have been received from prominent growers in addition to those published in our issue of February 3, page 62.

No. We have washed small lots of bulblets for more than twenty years. The one thing to avoid is getting them too dry. As a rule we do not wash bulbs, but we have done more of it this fall than usual, as the ground was so wet. The small bulbs are put in shallow, tight-bottomed crates and stacked up to dry. Some windy day in the winter they are taken out in a sieve and rubbed and sifted until free from dust and roots. When many are to be cleaned we use a fanning mill. When we have a large number of marked varieties that we want to save separately, with their bulblets, we wrap the bulblets in paraffine paper and put them and the bulb that produced them in a paper sack on which is written any name or memorandum that we wish to preserve.

M. CRAWFORD.

I do not see how bulblets could be injured by washing if dried thoroughly at once. Small bulbs are more or less injured by handling and washing would have a similar effect. If not dried at once, the moisture would swell the

bulb and be liable to burst the covering. It would also have a tendency to start growth. E. S. MILLER.

Bulbs or bulblets may be washed without injury if they are thoroughly dried after washing, but washing is unnecessary, unless, perhaps, the soil is infected with disease, in which case it might prove beneficial.

L. MERTON GAGE.

We do not practice this method, and cannot pass an opinion from experience, but we will say we do not believe the small bulbs or bulblets would be benefited by it. E. T. BARNES.

No, not if thoroughly dried.

E. H. CUSHMAN.

WITH THE GROWERS

Heacock's Wyncote Establishment.

The Wyncote establishment of the Joseph Heacock Co. furnishes a fine example of up-to-date methods in growing palms as well as intensive culture as applied to greenhouses. The large stock is composed almost entirely of Kentias Belmoriana and Fosteriana. The former are grown as single specimens, while most of the latter are planted seven to a pot or tub. All stock that is too large for a six-inch pot is planted in cedar tubs, which Mr. Heacock believes are much better than pots, not only for the health of the plants, but because they are preferred by the decorator, the neat green tub presenting a finished appearance in a decoration and not having to be hidden with a basket cover as do the plain pots.

To the lover of palms it is a pleasure to walk through the various large houses under the guidance of Superintendent Shober, who is a palmist of the first water, and admire the luxurious glossy foliage which shows the plants to be in most vigorous health. From the boxes of seedlings to the two-inch pots and on through the vari-

ous sizes up to the twelve-inch tub specimens, there is that same healthy, thriving growth which finally results in their calling for a new pot, as Mr. Shober says they do, when the strong roots push the ball of earth out of the pot. All the stock is grown on the place from seed imported direct from the native land of the kentias. Two years ago the houses were considerably enlarged, roses and carnations, former specialties, were discarded, and still with all this extra space every foot is full and much of the younger stock is only waiting for the fall shipments to get the needed shift.

It is hard to pick out the best in a large stock such as this, but the ten-inch tub Belmorianas are splendid specimens, and the twelve-inch tub made-up Fosterianas certainly prove a delight to the decorator; they are such superb plants. Arecas are also grown and very good eight to ten-inch pots stock is seen. A house is given to Phoenix Roebeleni, which are as yet in small sizes. Boston and Scottii ferns are also grown in quantity. Cibotiums are favorites here and fit in nicely with the palms, being grown when young, hanging to the rafters of the houses and finished on pedestals which rise above the younger palms. There are a splendid lot of the finished plants here in from eight to ten-inch tubs. The smaller sizes are not offered.

The cibotium is what is called "velvet" as it takes up no bench room and is a good producer. The houses of cattleyas, another specialty here, are in splendid shape, an immense stock of flowers being cut from them the past season. An expensive improvement is now going on here, being the installation of three large 100 h. p. boilers at a cost of more than \$4,500. Some of those taken out had done service for nearly twenty-five years. Mr. Heacock is a great economist when it comes to greenhouse space and the visitor will rarely ever find empty benches or floor



CLAM BAKE AND OUTING OF THE ALBANY, N. Y., FLORISTS' CLUB, AUGUST 24.



W. A. Clarke.

Treasurer Pittsburgh Cut Flower Co.



Fred Burki.

President Pittsburgh Cut Flower Co.



T. P. Langhans.

Manager Pittsburgh Cut Flower Co.

space. The system established keeps the supply always coming along and it almost automatically crowds into any empty space as it appears. K.

Pittsburg Cut Flower Co.

To erect and thoroughly equip over five hundred thousand square feet of glass in eleven years and make it a profitable investment would seem to be a large enterprise, but that is just what has been done by Fred Burki, president of the Pittsburgh Cut Flower Co., and his associates at the firm's range at Bakerstown, Pa. There are so many good features in the methods of carrying on the work at this range that one may be pardoned if some were overlooked in one brief visit. First and most important, they grow fine stock and a lot of it. Mr. Burki, who is well known to the trade as a very skillful and practical grower, spends most of his time at the range, his home being at Crystal farm. His foreman, Fred Kochoer, is also a very practical and experienced man.

It is true that the land is hilly, but in planning the various houses that fact seems to us to have been utilized to good advantage in catching sunlight in the short winter days. All the water used is raised from a pond on the place to two large tanks holding from 1,400 to 1,700 barrels each. Two gas engines fed with natural gas from wells on the farm are the motive power used for pumping. A third gas engine is used to run the refrigerating plant, a feature that attracts attention—the storage rooms for cut flowers being large and convenient with a large packing room adjoining. The range is heated by eight tubular boilers ranging from 100 to 150 horsepower. The farm comprises 240 acres, much of it being in hay, as quite a number of horses are kept on the place, though the flowers are carried to Pittsburg, about twenty miles, on an immense auto-truck. In addition to the land used for carnation planting, there is a considerable area in peonies, phlox and other hardy flowering plants. The stock now on hand includes about 200,000 carnations, 50,000 rose and 25,-

000 chrysanthemum plants, besides 4,000 orchid plants and a large glass area in asparagus, both plumosus nanus and sprengeri.

A large force of men (about seventy in all are employed on the flowers) were engaged on August 7 in hauling from the field and planting carnations, the stock having made strong and healthy growth. Both roses and chrysanthemums were in fine condition. The orchid house is a very attractive feature—the shelves being arranged so as to form a roomy house beneath, where potting can be done in a cool place. The house is also bordered with a luxuriant growth of asparagus sprengeri. All the stock grown is sold at the company's store, 121 Seventh street, Pittsburg, of which T. P. Langhans is the efficient and capable manager. In the management of the sales of the immense cut which daily reaches the store, Mr. Langhans is ably assisted by W. A. Clarke, the treasurer of the company.

Godfrey Aschmann.

There is always something of interest to the visitor to this establishment of intensive culture at 1012 West Ontario street, Philadelphia. Situated as he is in a thickly populated section of the city with almost every foot of his ground covered with greenhouses, Mr. Aschmann has to make the most of his space. With his work tables always full, he trims from the walks by putting narrow shelves along the front on both sides of the walks. Hanging shelves from the roof and elevated plant stands also are temporarily used during the busy seasons of spring and fall. These stands are used to bring on the seedlings and freshly potted rooted cuttings that appear always ready for a shift and waiting for table space.

Several little innovations that may be useful to other growers are seen here. A bench of pans of sand filled with poinsettia cuttings were seen. These pans were standing in saucers of water, none at any time being filled to the top. There was no bottom heat, yet all the cuttings appeared to be in

a healthy, robust condition. Mr. Aschmann says that they take a little longer to root than with bottom heat, but make strong, vigorous plants and that he loses very few plants by this method. Begonia Gloria de Lorraine and pink Lonsdale are found here. Being rooted in pots of soil (all short cuttings), there is no bottom heat. The cuttings were placed in 2-inch pots of soil set close together on the bench and given a thorough soaking. They are not again watered for two weeks and the result is most astonishing. There is very little waste, the stock making very nice plants for 3 inch pots for the holidays.

Cineraria seedlings germinate in a small elevated frame with shaded glass. Mr. Aschmann says that they must be given great care in this early state to prevent fungus. Primula obconica and other types of this popular plant are to be seen in quantity. This is the home of the araucaria and many plants of this variety are here. Excelsa, Mr. Aschmann says, sells the best, and his importations run into the thousands each year. Outside azaleas in good condition are another plant on Mr. Aschmann's list. So valuable is the space here that the compost heap has been leveled off and the entire surface covered with azaleas placed so as to keep them as moist as possible. Boston ferns and their variations fill several of the houses. Many fern balls were sending out buds in profusion a short time ago. Kentias, very good medium sized plants, filled one house and looked very salable. Rubbers, Jerusalem cherries and hydrangeas were in open frames outside. Daisies and verbenas from seed planted out for stock, were interesting exhibits. Mr. Aschmann is justly proud of his compact establishment and its well grown stock, and is always glad to show his visitors around. K.

LYONS, IA.—George E. Dallam has completed the installation of a new heating system at his greenhouses.

NOKOMIS, ILL.—Edgar Easterday has sold his flower stock to Mrs. R. O. Henderson of Pana. Mr. Easterday will use the greenhouses hereafter for the raising of vegetables.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	413
—Nephrolepis	413
—Poinsettias	413
—Sweet peas	413
—Marguerites	414
—Wallflowers	414
The retail trade.....	414
—Corsage bouquet (illus.).....	414
—Convention novelties for the retailer.....	414
—Rose tree centerpiece (illus.).....	415
—Mrs. McCoy's wreath for imperial bier.....	415
Restrictions on cut flower shipments.....	415
American Gladiolus Society.....	416
—The annual meeting.....	416
—President Hendrickson's address.....	416
—L. S. Hendrickson (portrait).....	416
—Secretary Gage's report.....	416
—Judge's report.....	417
—Color chart committee's report.....	417
—Nomenclature committee's report.....	417
—Election of officers.....	417
—L. Merton Gage (portrait).....	417
—Report of exhibition committee.....	417
—Prize winners at Chicago show.....	417
Albany, N. Y., Florists' Club (illus.).....	418
With the growers.....	418
—Heacock's Wyncote establishment.....	418
—W. A. Clarke (portrait).....	419
—Fred Burkl (portrait).....	419
—T. P. Langhans (portrait).....	419
—Pittsburgh Cut Flower Co.....	419
—Godfrey Aschmann.....	419
Third national flower show.....	420
Quarantine law enforcement.....	420
Coming exhibitions.....	421
Coming state fairs.....	421
Driveways to railway stations.....	422
Chicago.....	424
St. Louis.....	427
Cincinnati.....	428
Cleveland.....	428
Pittsburg.....	429
Pittsburg notes.....	429
Connecticut Horticultural Society.....	431
Washington.....	432
Oklahoma City.....	433
Philadelphia.....	434
Market gardeners.....	448
—Outdoor mulching.....	448
The nursery trade.....	450
—Quarantine law hearings.....	450
—Cork.....	450
The seed trade.....	462
—Chisholm sales manager.....	462
—Warning against low grade hairy vetch.....	462
—Teneriffe onion seed in Texas.....	462
Catalogues received.....	462

The Third National Flower Show.

GROWING FOREIGN EXHIBITS.

Certain European growers of bulbs, rhododendrons and flower seeds are anxious to connect with some florist in the neighborhood of New York to force their products and have them in good shape to be exhibited at the National Flower Show, early in April, 1913, it being obviously impossible to bring such stock as bulbs into flower in Holland or England and then transport them in that condition next year.

If any florist is willing to take up this matter will he please advise me how many he will be able to handle and at what price? I will then put him in communication with the parties interested. Aside from the financial consideration I trust some florist will feel interested enough to take up this matter, as it is the desire of the European seed and bulb men to show some of the very latest and best novelties in their respective lines.

C. H. TORRY, Chairman.

Quarantine Law Enforcement.

By an act of congress approved by the president on August 20, 1912, entitled "An act to regulate the importation of nursery stock and other plants and plant products," etc., the Secretary of Agriculture is authorized and directed to quarantine any state, territory or district of the United States, or any portion thereof, when he shall determine the fact that a dangerous plant disease or insect infestation new or not theretofore widely prevalent in the United States, exists in such state, territory or district. Before promulgating his determination that it is necessary to institute such a quarantine, he shall give a public hearing at which any interested party may appear and be heard either in person or by attorney.

The Secretary of Agriculture is further directed to prohibit the importation into the United States of any class of nursery stock, fruits, vegetables, roots, etc., whenever he shall determine that such prohibition is necessary to prevent the introduction into the United States of any tree, plant or fruit disease, or insect infestation, new or not widely prevalent within the United States. Before issuing his proclamation to this effect he is directed, as in the case of quarantine against a state, to give a public hearing to any interested parties who may wish to appear in person or by attorney.

There is imminent danger of the introduction into the United States at the present time of two dangerous plant diseases and one insect known to cause great damage in other countries. One fungus disease, the white pine blister rust, injures four important species of pine in practically all European countries. It is a fungus disease and would be a most undesirable importation in the United States if it be brought here, as it is liable to be on imported nursery stock. It would cause enormous damage to coniferous forests.

Another fungus disease which is a menace to American agriculture is the potato disease known as potato wart, potato canker, black scab, etc., caused by a fungus which, in advanced stages of the disease, utilizes every particle of food in the tuber and reduces it to a brownish black soft mass of a very unpleasant putrid odor. The disease occurs in many parts of Europe and in several islands not far from the Atlantic coast of the United States.

The menacing insect pest is the Mediterranean fruit fly, an insect which is tolerably well described by its name, and which is now known to be established in the Hawaiian Islands. Its introduction into the United States from the territory of Hawaii would be a calamity of the first importance to fruit growers. The state of California, because of this insect, now quarantines against a long list of fruits and vegetables from Hawaii, including oranges, Chinese plums, prickly pears, Damson plums, peaches, figs, tomatoes, grapes, squashes, and a large number of less well known fruits and vegetables. Other Pacific coast states, however, have no such quarantine, and the introduction of the insect through ports in those states is possible and perhaps imminent. It is also found in Queensland, New South Wales and West Australia.

To prevent these undesirable immigrants from entering the United

States the Secretary of Agriculture proposes to exercise the power vested in him by the new law and declare a quarantine against the territory of Hawaii in the case of the Mediterranean fruit fly, and also to prohibit the importation from Great Britain, France, Belgium, Holland, Denmark, Norway, Sweden, Russia, Germany, Austria, Switzerland and Italy of four species of pines and their horticultural forms liable to introduce the white pine blister rust, namely, white pine (*Pinus strobus* Linnaeus), Western white pine (*Pinus monticola* Douglas), sugar pine (*Pinus lambertiana* Douglas), and stone or cembra pine (*Pinus cembra* Linnaeus). The importation of potatoes that may bring the potato wart disease from Newfoundland and the islands of St. Pierre and Miquelon, and from Great Britain, including England, Scotland, Wales and Ireland, and from Germany and Austria Hungary will also be prohibited.

In compliance with the law, however, he will, before issuing his quarantine proclamations, give public hearings to persons interested who may appear in person or by attorney, or submit their views in writing. Announcement is hereby made that these hearings will be held as follows:

On the white pine blister rust, September 16, 1912.

On the Mediterranean fruit fly, September 18, 1912.

On the potato wart disease, September 20, 1912.

All hearings will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock a. m., on the dates above specified.

Photographs illustrating the three dangers above mentioned can be obtained upon application to the Chief of the Division of Publications, Department of Agriculture, Washington, D. C.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

Asbury Park, N. J., October 29-31, 1912.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

Baltimore, Md., November 18-23, 1912.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Boston, Mass., November 7-10, 1912.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

Cleveland, O., November 12-15, 1912.—First exhibition, Ohio Horticultural Society. John N. Stockwell, secretary, City hall, Cleveland.

Glen Cove, L. I., N. Y., October 29-30, 1912.—Chrysanthemum exhibition, Nassau County Horticultural Society. James McDonald, corresponding secretary.

Lenox, Mass., October 24-25, 1912.—Fall exhibition, Lenox Horticultural Society. Geo. H. Instone, secretary, Lenox, Mass.

Madison, N. J., October 31-November 1, 1912.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall. Edward Reagan, secretary, Morristown, N. J.

Mt. Kisco, N. Y., October 31-November 2, 1912.—Annual exhibition, Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

New Haven, Conn., September 11-12, 1912.—Annual dahlia show and general exhibition, New Haven County Horticultural hall, Harmonie hall, Elm street. David Wylie, secretary.

Newport, R. I., September 14-16, 1912.—Fall exhibition, Newport Horticultural Society, Masonic hall. D. J. Coughlin, secretary, Bellevue avenue, Newport, R. I.

New York, September 24-26, 1912.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Engleson, secretary, American Institute, New York.

New York, November 6-8, 1912.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Engleson, secretary, 19 West Forty-fourth street, New York.

Orange, N. J., September 27, 1912.—Seventh annual dahlia show, New Jersey Floricultural Society, Lindsley hall, Main street. Wm. Reid, secretary.

Rochester, N. Y., September 4-6, 1912.—Annual exhibition, Vegetable Growers' Association of America. S. W. Severance, 508 Walker building, Louisville, Ky.

San Francisco, Calif., October 23-26, 1912.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel. Angelo J. Rossi, manager, 2114 Steiner street, San Francisco, Calif.

St. Paul, Minn., November 8-12, 1912.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

Tarrytown, N. Y., November 6-8, 1912.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

Worcester, Mass., November 7, 1912.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

Yonkers, N. Y., October 29-31, 1912.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory. Wm. Mills, secretary.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and floricultural departments so far as obtainable:

September 2-5, Nashua.—New Hampshire State Fair, Ed. Wason, Nashua, N. H.

September 2-6, Lincoln.—Nebraska State Fair, C. G. Marshall, State Capitol building, Lincoln, Neb.

September 2-7, Indianapolis.—Indiana State Fair, C. N. Lindley, English hotel, Indianapolis, Ind.

September 9-14, Syracuse.—New York State Fair, Chas. H. Vick, with James Vick's Sons, Rochester, N. Y.

September 16-21, Detroit.—Michigan State Fair, H. H. Dow, Midland, Mich.

September 17-22, W. E. Junction.—Vermont State Fair, A. M. Vaughan, Randolph, Vt.

September 24-27, Berlin.—Connecticut State Fair, Leland W. Gwatkin, secretary, Berlin, Conn.

September 28-October 4, Sedalia.—Missouri State Fair, Ed. C. Roth, Buckner, Mo.

October 4-12, Springfield.—Illinois State Fair, Robt. O'Dwyer, 716 West Madison street, Chicago.

October 14-19, Raleigh.—North Carolina State Fair, Prof. W. N. Hitt, Raleigh, N. C.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By expert grower and foreman; 40 years' international experience; laid out old world's fair beds; private position preferred; state wages in first letter. Address Key 690, care American Florist.

Situation Wanted—By October 1st, as an assistant under glass; age 20; one year's experience in bedding plants, four years' outside work; strictly sober and reliable. Please state wages in first letter. Key 692, care American Florist.

Situation Wanted—English, age 28, single, 13 years practical experience in all branches inside and out, well versed in roses, orchids, carnations and general line of pot plants, etc.; have excellent recommendations, open for position early in September. Address Key 687, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced. Can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Help Wanted—Rose grower, experienced in Killarneys, Brides and maids; salary \$14.00 per week; room if desired; references, please.

MAX RUDOLPH, Florist,
11 W. 12th St., Cincinnati, Ohio.

Help Wanted—A working foreman capable of handling help. An A1 grower of Carnations, Mums, Lilies, Easter and Xmas Stock and Bedding Plants. Good wages for thoroughly competent man. Give references in first letter. JOHN RECK & SON, 985 Main St., Bridgeport, Conn.

Help Wanted—Gardener for private place; married man only; house and vegetables, etc., free; \$45 per month; must be experienced in trees, flowers, shrubs, vegetables, fruit and light farm work; state experience and references, etc.; steady position to right party. J. A. CHRISTOPHER,
811 Park Ave., St. Louis, Mo.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—"Improved Capitol Boiler." (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80½ in. Bought Nov., 1910, used 5 months. Price \$300 cash.

THE PANA GREENHOUSES, Pana, Ill.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Situation Wanted.

A good carnation grower is open for engagement. Chicago or middle west preferred. Address Key 683, care American Florist.

SALESLADY

for a retail florist store in Chicago. One with a little experience in design work preferred. Write now. Key 694, American Florist.

WANTED

a single man who has had some experience in growing Carnations. Send reference and wages expected in first letter.

W. W. Coles, Kokomo, Ind.

Restaurtant for Sale

Located on nursery near Chicago; accommodations for 10 to 20 boarders and 10 roomers; have 18 at present; \$400 or less, as per inventory. Write at once.

Key 689, care American Florist.

Situation Wanted.

An Up-to-date Seed, Tree and Plant man of fifteen years experience wishes a position as traveling salesman for the entire Pacific Coast. Is known by all the trade, and can furnish the very best of references. Address

Key 691, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Manager Wanted.

At once, Expert Carnation Grower who is able to handle help to best advantage, to take full charge. State full particulars, stating age, experience, last employers, wages expected, etc. Good dwelling on place.

N. ZWEIFEL, North Milwaukee, Wis.

FOR SALE.

NURSERY PLANT. High grade small nursery in middle west, well stocked and equipped, all inside limits city of 2,000 population. Buildings cost over \$8,000. Opportunity for two live young men. Account of health, owner will make sacrifice for quick sale.

HENRY LAKE SONS CO., Black River Falls, Wis.

WANTED!

Experienced Rose and Carnation Growers of our new place just being finished. Houses are 60 by 1000 feet. New and modern. State wages, experience and references and when you can come in your first letter. Steady and good position for reliable men.

J. F. Wilcox & Sons, Council Bluffs, Ia.

WANTED

A good man; prefer one married; one who knows how and will; one who can do a decoration, make artistic floral arrangements, fill a hanging basket vase as porch box, wait on customers promptly and politely and be generally useful about greenhouses. Apply with references and wages expected. This is a steady job.

W. G. MATTHEWS, Florist,
DAYTON, OHIO.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN,
1572 Sherman Avenue, Evanston, Ill.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

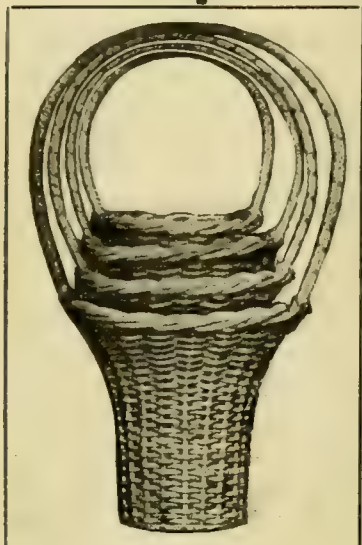
Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO.

Finest Baskets Obtainable



**Buy Direct from the Manufacturer and
Save the Middleman's Profit.**

We are constantly receiving large shipments of fancy baskets from our mammoth factories in Weidhausen and Ebersdorf, Germany, and will be pleased to hear from you in regard to your future orders. Our line is the best, recognized as such, and our prices are right, so it will be to your advantage to get in touch with us as soon as possible. The best way would be to send \$10.00 or \$25.00 for a sample assortment.

DO IT NOW.

Raedlein Basket Company
713-717 Milwaukee Ave., Chicago, Ill.

Driveways to Railway Stations.

Paper read by C. J. Andrews at the sixth annual convention of the Railway Gardening Association, Roanoke, Va., August 13-15.

One of the most serious problems the railway gardener has to deal with is the construction and maintenance of driveways, and it becomes especially serious if his jurisdiction extends over driveways to freight yards, as well as passenger stations. With him there is no regularly organized road department, with its recognized needs for a definite appropriation, and the money used for driveway maintenance most generally is taken from what would otherwise be available for landscape work. Being then so essentially utilitarian in their nature their construction should be from the standpoint of utility. A well built driveway should be free from dust or mud—for dust and mud are causes of grinding away the surface. Macadam or crushed stone in some form is the universally used material on road surfaces; it provides a considerable degree of permanence, but is by no means, even when made of the best material free from the dust and mud referred to.

Travel is increasing everywhere, both in quantity and speed, and the standard of street and road maintenance demanded by the public is growing higher and higher, especially since the automobile has come into such extensive use. For this reason the railroad gardener is hard pressed to find some means of permanently improving his macadam surfaces or some substitute thereof. Macadam is reasonably cheap, asphalt, wood-blocks, or brick comparatively expensive. Something between the two

is demanded, something that will utilize the existing macadam and which can be supplied without an expensive plant or a highly trained force of workmen. An application of oil or tar to the surface, which in either case might be crude or refined, was first suggested as an improvement in this direction; much benefit has been derived from the use of oil and tar in suppressing dust and holding the surface particles together, but where the traffic (especially to and from freight yards), attains considerable volume they have been found only temporary in their effects.

To have any value as a binder, the tar must penetrate beneath the surface and this it cannot do in a well filled compressed macadam. If heavy enough to have the desired binding quality, the necessarily small quantity and thin layer used deteriorates rapidly, is much affected by moisture and freezing, and especially in case of tar, becomes brittle in cold weather and rapidly wears away. The use of these materials have been tried on our division for several years with the above result. The failure to obtain the desired permanent result or economy of maintenance by surface application on ordinary macadam suggests the advisability of specially preparing the surface for the reception of tar or oil by cleaning off dust, spiking up, and bringing the coarse stone to the surface, or by the application of a layer of new stone—all for the purpose of securing greater penetration and better binding effect. In some cases the result seemed to justify the increased expenditure, while in others the result was not so good, as the tar was unequally dis-

tributed, leaving the road spongy in places.

The cost of one surface application of "tarvia" composed of 60 per cent of tar, 30 per cent of asphalt and 10 per cent heavy Texas oil applied hot, is from nine to eleven cents per square yard, without anything allowed for re-dressing or new stone. A heavy Texas oil may be applied in the same way for twelve to fourteen cents per square yard, while if the surface is specially prepared, or new stone used, the cost of a macadam surface treated with "tarvia" or oil may vary from twenty to fifty cents per square yard. Very few macadam surfaces that have been used for any length of time are in a condition to receive this sort of treatment without some re-dressing or new stone, so the minimum figure given above will often be very greatly exceeded.

The method of treatment referred to is what we call the penetration method, which generally applies as the bitumen used is heavy enough to act as a binder between the particles of stone. It must be heated when applied, and to be effective it must penetrate a certain depth. The method of application is as follows: The bitumen, either oil or tar, is heated in portable wagon tanks (after being thoroughly mixed in a large tank) to at least 200 degrees Fahrenheit and then spread upon the road surface under steam pressure of from twenty to fifty pounds through a hose with a spraying nozzle, handled by a competent man, making sure it is applied evenly. Immediately after the application and before it has time to set firm, a thin layer of clean stone, not over one-half inch in thickness should be used, then rolled, but not too much.

FALL ANNOUNCEMENT

We are in position to furnish you with the best stock seen in this market so early in the season. To satisfy yourself on this score, send us your orders—let us convince you of the fact. Can supply

Yellow—Chrysanthemums—White

American Beauties in all grades which for color and substance can't be beat.

Also the following Roses in quantity, of splendid quality:

**PINK KILLARNEY, JARDINE, AARON WARD,
MY MARYLAND, WHITE KILLARNEY, RICHMOND,
MRS. TAFT, KAISERIN, PERLE.**

CARNATIONS.—We are cutting a fine grade for so early in the season owing to the reason that we planted early and as such our stock is further advanced and much better than the average seen on the market.

VALLEY.—Our **Blue Ribbon Brand** speaks for itself, hence you will find same far superior to any other Chicago Valley. Fresh supply daily.

ASTERS.—Large showy white, pink, lavender and purple blooms.

Valley
Harrisii
Asters
Gladioli
Carnations

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE

Grower of

CUT FLOWERS

Sprengeri
Plumosus
Smilax
Adiantum
Ferns

as many a good road has been permanently ruined by too much rolling after the bitumen has been applied.

To apply bitumen and get good results, the stone must be dry and the weather warm. If applied in cold weather it will begin to crack and break in a few months, and if the cracks are numerous the only repairs that can be successfully made is to spike up the whole surface, harrow it to bring the coarse stone to the top, or add a layer of new stone, roll down well and then put on a new application of bitumen. The time of the year when the greatest damage is done to driveways treated by the surface or penetrative method is the winter or spring when the frost and excessive moisture has left the macadam in a somewhat loosened and weakened condition and when the bitumen is more or less brittle from the cold. When in this state a road surface apparently in good condition will sometimes go to pieces badly in a few days. Another thing to be considered is the character of the vehicles using the roadway. Plain rubber tires are comparatively harmless on any sort of bituminous surfaced roadway where the particles are sufficiently bound together to prevent their being loosened, and where the protective coating of bitumen is not broken through. But the grinding and pounding of iron-tired traffic has a much more serious effect where the layer of bitumen is comparatively thin, especially during the season when it is brittle.

We find much more evidence of this in our freight yards than on the driveways to our passenger stations. As the use of a driveway increases and as

the grade and traffic passing over it improves, just in proportion does the objection increase to the repeated use of so disagreeable a substance as road oil. Like many other crude things of life it is tolerated when nothing better is known or nothing better can be afforded. We find it much cheaper to buy the bitumen from a large manufacturer, mixed in proportion as desired, than to do our own mixing, as we only use a small quantity at one place. Cities that use large quantities will find it cheaper to buy the material in a crude state and mix with a machine or by hand in a large vessel made for the purpose. No skill is required to mix bitumen, only one should be sure and get the proper amounts of tar, asphalt and oil.

I will say in conclusion that we almost invariably use a tandem roller of not over ten tons. We like it better than the Springfield roller, as the ground covered by the tandem is much greater than the Springfield—therefore you can roll fresh bitumen much quicker and complete the road before it has time to harden—leaving a smooth surface and no marks. After we complete a driveway we do not allow any vehicles of any kind on it for from eighteen to twenty-four hours. This gives it ample time to harden so the wheels will not make ruts in it, thereby spoiling the surface of the road.

BARABOO, WIS.—Ernest Ross is building another greenhouse.

HOLYOKE, MASS.—Joseph Beach has sold his greenhouses and nurseries to Reginald S. Carey, formerly gardener for Jos. A. Skinner of this place. Mr. Carey took possession September 1.

Corn On the Cob.

By Arthur D. Pratt, in Puck.

When Summer rolls round with her pageant of beauty,

A riot of color, a world-wide parade, Away with dull care! Who would sing of stern duty

When Nature in sweetness and light is arrayed?

The corn fields are rustling, a message foretelling

Of joys soon to be, for ere long we shall rob The stalks of their harvest; my bosom is swelling

In anticipation of corn on the cob.

Don't lead me to one of those fashionable show-rooms,

The home of the tip and the festive dress suit;

'Way down on the farm we have lots of elbow room

To take a firm grip on the succulent fruit.

Despising those symptoms of pure affectation

Precariously stuck in each end of the cob.

Dame Nature's equipped me for this delectation—

With two sturdy lunch-hooks; I'm here on the job.

Please pass me the salt and the pepper, the butter,

The cool, smiling butter from dairy's recess;

Both corn and emotion so fill me I utter

These words 'neath a strong gustatorial stress.

And, though a mouth-organ performer resembling,

I'm careless of comment, regardless of jeers.

With corn on the cob there's no chance for dissembling—

Come, pass me another, I'll muss up my ears!

Ah, blest be the man whose strong molars discovered

This food of the Gods for man here below!

The store of delight for us all he uncovered

When husked from the sheaf were the kernels of snow.

The platter's piled high with ears fragrant and steaming,

The very aroma arouses a throb.

Come, boys, shed your coats, this is no time for dreaming,

We're here to do business with corn on the cob!

I sometimes think that never blows so red

The rose as where some buried Caesar bled;

That every hyacinth the garden wears

Dropt in her lap from some once lovely head.

—Omar Khayyam.

Summer Roses Our Specialty

**American Beauty - Kaiserin - Maryland
Rhea Reid - Aaron Ward - Mrs. Taft**

Chrysanthemums Now in Flower. Very Choice Large White and Yellow Mums.

\$2.00 to \$3.00 per dozen.

Good, fresh, medium and short stem roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

Price List

Subject to change
without notice.

AMERICAN BEAUTIES		Per doz.		Per 100
Extra long.....	\$2.50 to	\$3.00	Extra long, O. P. BASSETT.....	\$1.50 to \$2.00
30 to 36-inch.....		2.00	Extra long, white.....	1.50 to 2.00
18 to 24-inch.....		1.50	Fancy pink.....	1.50 to 2.00
12 to 15-inch.....		1.00	FINE EASTER LILIES	
Short.....	per 100,	\$4.00 to 6.00	Per dozen.....	1.00
KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY.			Per 100.....	6.00
Extra long select.....	\$6.00 to	\$8.00	LILY OF THE VALLEY.....	3.00 to 4.00
Medium length.....	3.00 to	4.00	ASTERS, all colors.....	1.00 to 2.00
Short.....		2.00	ASPARAGUS SPRAYS.....	3.00 to 4.00
			SPRENGERI.....	2.00 to 3.00
			ADIANTUM.....	1.00 to 1.50
			GALAX—Bronze and Green per 1,000,	\$1.00
			NEW FERNS.....	per 1,000, \$1.50

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457

Chicago.

GREAT OVERSUPPLY OF STOCK.

The market is still in a very unsatisfactory condition with a great oversupply of all kinds of flowers. Carnations are arriving in much larger quantities and the receipts of chrysanthemums are also much greater. Some fine Golden Glow and Smith's Advance are obtainable and at very reasonable prices. Orchids are a trifle more plentiful and more gardenias are also seen. American Beauties are also in large supply and roses in all the leading varieties are being sold at very low prices. Short stem roses are a glut and the retailer who has any funeral work at present is indeed fortunate for he can have the pick of the stock at practically his own price. Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Radiance, Prince De Bulgarie, Lady Hillingdon and Melody are in fine condition and a shipment of Brides this week also showed up very good. Gladioli are a drug on the market and asters are so plentiful that a frost at present would be welcome. The general opinion of the wholesale men is that the aster is a "dead one" and ought to be discarded. It seems that every farmer or suburbanite who has a lot is growing asters and consequently consigning them to this market, crowding out the grower who has glass and is supplying the dealer with stock all through the year. The practice ought to be discouraged, for the grower is entitled to some consideration and ought to be given the preference. Dahlias and lilies are also arriving in quantities and lily of the valley is equal to the demand. Greens of all kinds are plentiful and some fine wild smilax is now arriving. The warm weather of the past week affected the market considerably, and the temperature on September 1

reached 95 degrees, the highest in history for so late in season. The severe rainstorm of the day following helped conditions a great deal, and the weather is now much cooler and the market a little firmer. Greens are having a very good call and a shortage in asparagus is reported.

NOTES.

A. L. Vaughan & Co. are showing a fine line of all kinds of seasonable stock, particularly gladioli and report business as good as can be expected with the present market condition. W. E. Lynch is now quite at home at this establishment and is pleased with his new surroundings.

The Northwestern Floral Co. made its first shipment of carnations to Kyle & Foerster on August 31. James Prenicka says that his firm is shipping a large number of field grown carnation plants and that the receipts in their department are far ahead of last fall.

Thos. Fogarty and Miss H. V. Tonner will be married at St. Mary's Church next Wednesday, September 11. The happy young couple will spend their honeymoon in Canada and if time permits will visit Mr. Fogarty's native home in the Emerald Isle. Dwight L. Harris says that the Pulverized Manure Co. had a corking good August and that his firm did a very good business at the S. A. F. convention.

The board of directors of the Chicago Flower Growers' Association held a meeting at the association store on Wednesday, September 4.

Willie Sporos, of the Madison Floral Co., has returned from Terre Haute, Ind., where his friend George (Knockout) Brown fought Skelly on Labor Day.

A. T. Pyfer says that the Chicago Carnation Co. is having a good call for field grown carnation plants and

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

that his firm is all sold out at Washington.

John Sinner says that his brother's condition is improving every day but that it will be some time yet before he will be able to leave the hospital.

H. J. Peterson, of Chicago Heights, says that business has been pretty good all summer and that the prospects look very bright for fall.

J. F. Kidwell & Brother report business at their Wentworth avenue store 25 per cent better than that of last summer.

Fred Price, with J. A. Budlong, leaves this week for a few week's outing in Wisconsin.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Good Short Roses

Extra Large Supply

Tight Shipping Stock. **TRY THEM.**

\$10.00 per 1000

American Beauties

Extra Large Supply

All lengths 6 inch to 60 inch.
Best quality on the market. Perfect buds, no Thrip or Black spot; fine clean foliage.

Poehlmann's Valley

We claim to have the best, largest
and most continuous supply
in the country.

Place your orders for regular shipments
with us.

White Orchids

Chrysanthemums

Mrs. Aaron Ward, Bulgaria, Mrs.
Taft, Melody, Lady Hillingdon,
Sunburst.

Try a few—they will find favor.

White and Pink Killarney and Richmonds.

We can supply fancy stock twenty-four to thirty inches.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.	KILLARNEY, Specials		\$10.00
Specials		\$3.00	Long		8.00
30 to 36-inch		2.50	Medium		6.00
24-inch		2.00	Good Short		\$3.00 to 4.00
18 to 20-inch		1.50	WHITE KILLARNEY, Specials		\$10.00
Short stem	per 100	\$4.00 to 8.00	Long		8.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Medium		6.00
	Per 100		Good Short		4.00
Long		\$8.00 to \$10.00	ASTERS		\$1.00 to 4.00
Medium		6.00	CHRYSANTHEMUMS, White and yellow, per		
Short		\$3.00 to 4.00	doz.	2.00 to	3.00
MELODY, long		8.00 to 10.00	GLADIOLI	1.50 to	4.00
Medium		6.00	ORCHIDS, white dendrobium		6.00
Short		3.00 to 4.00	EASTER LILIES		12.00
MRS. AARON WARD.			VALLEY		3.00 to 4.00
Fancy Long		\$8.00 to 10.00	DAISIES, Shasta		1.50
Medium		6.00	ADIANTUM CROWEANUM		1.00
Short		3.00 to 4.00	SMILAX, per doz.		1.50
LADY HILLINGDON, long		\$8.00 to 10.00	SPRENGERI, PLUMOSUS SPRAYS		\$3.00 to 4.00
Medium		6.00	PLUMOSUS STRINGS, extra long and heavy	each	.60
Short		3.00 to 4.00	PLUMOSUS, strong, long, medium	each	.45
RICHMOND, Specials			FERNS	per 1,000	1.50
Fancy		8.00	GALAX	per 1,000	1.25
Medium		6.00	LEUCOTHOE	per 100	.75
Good Short		3.00			

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

SPECIAL SALE ON CARNATIONS. Best Quality Blooms, \$15.00 per 1000.

Also Special Offer on Roses. Long, \$5.00 per 100; Medium, 2.50 per 100.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems..... 2.50	20-inch stems..... 1.00
36-inch stems..... 2.00	15-inch stems..... .75
30-inch stems..... 1.50	Short Stems..... .50

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine.

Fancy, 24-inch stems.....	\$6.00
Good, 15.....	4.00
Short.....	3.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

Fancy.....	\$7.00
Good.....	6.00
Short.....	4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$1.50
Fancy.....	1.25
Good.....	1.00

HARRISII.....8.00 to 10.00

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Lewis P. Lord, with the Lord Plant Box Co., of Minneapolis, Minn., left this week for Pittsburg on business. He has been demonstrating his new idea cut flower box to the local trade and succeeded in booking several large orders. The new box solves the problem of a practical folding wooden box for growers who send or carry their cut flowers any great distance. The chief advantage of the box is that it folds down into less than one-third its size, saving two-thirds the space in storage and one-half the return charges when empties go by express. Another good feature is that the box requires no nails, for the cover locks automatically.

Henry Kruchten and Miss Rose Parkinson were married last Wednesday, August 4, at the home of his brother, John Kruchten, Rev. Lederer officiating. Mr. Kruchten is very popular with the local trade and his many friends wish him a safe journey on the sea of matrimony. The happy young couple will make their home in the future at 2208 Wilson avenue.

The Des Plaines Floral Co., is nearly through planting and the plants that are already in the houses look very promising and some Golden Glow chrysanthemums are ready to be cut. The proprietors say that demand for field grown carnation plants is very good and that the call for White Enchantress is unusually heavy.

Bassett & Washburn are particularly strong in all kinds of reasonable cut flowers and C. L. Washburn says that his firm is cutting on an average of 2,500 American Beauty roses every day. This firm is filling many orders for Golden Glow and Smith's Advance chrysanthemums.

Poehlmann Bros Co. is showing some very fine orchids, particularly

oncidiums and white dendrobiums. The cut of American Beauty and other roses is very large and some choice White Killarney, Killarney, Richmond, Mrs. Aaron Ward, Prince de Bulgarie and Lady Hillingdon are noted.

Louis Wittbold says that trade is improving considerably and that his firm is receiving a large number of orders for decorative plants. The Geo. Wittbold Co. is now cutting some very good pink roses at its Edgebrook range and has finished planting its poinsettias.

Peter Reinberg is still cutting heavily in American Beauty roses and the quality of the stock in general is very fine. Tim Matchen says that trade is a trifle better and that the shipping especially shows a marked increase.

Wietor Bros. shipments of roses are now very large and choice stock in all the leading varieties is arriving. The demand for field grown carnation plants is very large and the large surplus is steadily disappearing.

J. A. Budlong is featuring a fine grade of American Beauty roses and Golden Glow and Smith's Advance chrysanthemums. The supply of stock in general is unusually large and of very good quality.

The Gardeners and Florists' Union No. 10615 cordially invite the trade to attend a basket picnic at Ebert's Grove, 6668 Ridge boulevard, Sunday, September 15 at 2 p. m. Admission 25 cents.

H. Van Gelder says that the shipping trade at Percy Jones' store is picking up considerably and that his firm's new catalog is now ready for mailing.

F. O. Franzen, the Summerdale avenue florist, is enjoying both a good retail and wholesale trade and is at

present busy filling orders for fall bulbs.

Wm. Lorman is feeling fine since his recent illness and is again in charge of the shipping department at the A. L. Randall Co.'s store.

The next meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, Thursday, September 5.

Robt. Northam, George Reinberg's popular storeman, says that the last week was the quietest one he has ever experienced.

H. H. Wilkerson, H. Wittbold's efficient manager, has things running in fine shape and the store very handsomely decorated.

John Kruchten says that his growers' gardenia crops are in fine condition and that he will soon have large daily shipments.

Erne & Klingel are supplying their customers with a fine grade of wild smilax, the first shipment arriving on August 29.

Hoerber Bros. are cutting some fine Bride roses and their Richmond and My Maryland are also of good quality.

Art Blome, with Paul Blome & Co., North Clark street, has returned from an enjoyable outing in Michigan.

Guy Reyburn and A. Miller, with A. Henderson & Co., started out this week on another business trip.

Nic. Miller, with Kennicott Bros. Co., expects E. E. Pieser and wife back from Canada next week.

Miss Amy Forest, the J. B. Deamud Co.'s popular bookkeeper, is visiting friends at Detroit, Mich.

Chas. W. McKellar says that there is a good demand for orchids but that the supply is very short.

George Economopolus, proprietor of the Alpha Floral Co., is enjoying his vacation in Michigan.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

LARGE SUPPLY

of Choice Killarney, White Killarney and American Beauty Roses.

All stock. None better on the market. Order of us.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland...		

Mrs Aaron Ward	{ Select	\$8 00
	{ Medium	6 00
	{ Short	\$4 00 to 5 00
Sunrise.....	{ Select	\$6 00
	{ Medium	5 00
	{ Short	4 00
Roses, our selection.....		3 00
Carnations		1 50
Harrisii	per dozen.	1 25
Valley	3 00 to	4 00
Asters	1 00 to	2 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50

"The Busiest House in Chicago."

THE DICTIONARY

teaches us that a printer is one who prints.

HOW ABOUT

a florist? One who flowers.

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

St. Louis.

HOT WEATHER AND DULL TRADE.

Continued warm and oppressive weather has been with us all week and trade has suffered considerably. There was lots of stock on the market and much of it was sold cheap in order to unload, but at that it was far from cleaning up. The coming week schools and theatres open, and it is to be hoped that with cooler weather, things will pick up. The West-end stores are all ready for business, after painting and refitting their stores. Carnations are very poor, showing the effects of the heat. American Beauty roses have been plentiful and are selling at a low price.

NOTES.

Albert J. Windler, president, Frank Windler, vice-president and treasurer, and A. W. Gumz, secretary, will form the Windler Wholesale Floral Co. and will open up at 1310 Pine street on or about September 16 or 17. They solicit consignments of cut flowers and will keep a full line of supplies and wire work. Albert J. Windler, although not in the flower business, has had good business knowledge, having been manager at a large wholesale concern. Frank Windler, a young man well known and liked by the trade, has had experience in all three branches of the trade as grower, retailer and wholesaler, having got his

wholesale experience with the Wm. C. Smith Wholesale Floral Co. Albert Gumz has faithfully worked for Geo. H. Angermueller for over six years and has a thorough knowledge of the wholesale business. The storeroom, which is one door east of C. A. Kuehn's establishment, is very roomy and light. They have installed a large icebox. The young men will have the best wishes of the florists in general.

F. H. Weber is home again and his store is repainted. David Geddes attended to everything during the boss's absence at the convention.

C. A. Kuehn has introduced his son Charlie to his patrons. He is a chip off the old block and will attend strictly to his father's interests.

BETTER BEAUTIES

than those we are offering are not obtainable; so why not save trouble and get the best by placing your orders with us right at the start? Our other stock is of exceptionally fine quality, and we have plenty of the best grade to go around.

CURRENT PRICE LIST.

AMERICAN BEAUTIES.

	Per doz.
36 to 48-inch.....	\$2 50 to \$3 00
24 to 30-inch.....	1 50 to 2 00
18 to 24-inch.....	1 25 to 1 50
15 to 18-inch.....	1 00 to 1 25
12 to 15-inch.....	75 to 1 00
8 to 12-inch.....	50

ROSES.

	Per 100
Richmonds.....	\$3 00 to \$6 00
Killarney, white, pink.....	3 00 to 6 00
My Maryland.....	3 00 to 6 00
Brides.....	3 00 to 6 00
Maids.....	3 00 to 6 00

ROSES.

	Per 100
Roses, our selection.....	\$2 00
Extra long, fancy.....	3 00

MISCELLANEOUS.

ASTERS, fancy.....	3 00
common.....	\$1 00 to 2 00
CARNATIONS.....	1 00 to 1 50
Gladioli, Augusta.....	2 00 to 3 00
America.....	2 00 to 3 00
Mrs. F. King.....	2 00 to 3 00
Assorted, not named....	1 00
Daisies, Shasta.....	1 50

MISCELLANEOUS.

	Per 100
Harrisii Lilies.....	\$10 00
Valley.....	\$3 00 to 4 00
Adiantum.....	75 to 1 00
Asparagus Strings.....	each, 50c to 60c
Bunches.....	each, 25c to 50c
Sprengeri Bunches.....	each, 25c to 50c
Smilax.....	per doz., \$1 50
Galax, green.....	per 1000, 1 00
bronze.....	per 1000, 1 50
Ferns.....	per 1000, 1 50

Subject to change without notice. Store open 7:30 a.m. to 6 p.m. Sundays and holidays close at noon.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES { Central 2571-2572
Automatic 48-734

CHICAGO

While we have been sweltering here Alex Siegel has been sitting in his cottage at Mackinaw, Mich., enjoying the cool weather.

Arthur J. Myer, with C. A. Kuehn, reports trade as dull. He says there is good demand for good stock, however.

The Kelley Floral Co. has repainted its store. This firm has a large trade in goldfish and a big cut flower trade.

Julius Schaeffer, with the Ayres Floral Co., is preparing for the latest novelties in fall trade.

A. Elberfield, of the Alpha Floral Co., of Kansas City, was in town the other day.

Grimm and Gorly held a special sale of Boston ferns at 19 cents recently.

John Barnard has been busy decorating store windows with artificial work.

Stern & Stern, of Paris, France, were in the city recently.

W. F.

Charleroi, Pa.

The Allenwood Greenhouses, which comprise about 25,000 square feet of glass, are now closed. Since the death of A. T. Linn, which occurred last June, his sons have given up the business. It is not definitely stated what will be done with the range.

I. V. Kinder has recently erected about 12,000 square feet of glass near town and will engage in plant growing.

Joseph Hanky has a good retail store and a good business. He also has considerable glass.

Wm. R. McKean, though engaged in other business, continues to grow considerable stock.

SAGINAW, MICH.—J. B. Goetz Sons, florists, are preparing for extensive improvements and additions to their greenhouses.

Cincinnati.

WEEK CLOSES SATISFACTORILY.

The closing week of August was fairly satisfactory. The volume of business was large and the prices, considering the general market conditions, good. The shipping trade continues strong. Good white asters again ran short last week. The supply was large but scarcely adequate. It appears that the buyers want that flower above all else. In the other colors only the best cleaned up properly and they had to be good and clean throughout to do that. The other colors sold at lower prices than the white. In roses the American Beauty supply continues large and good. They sell up nicely and it is the exception rather than the rule to have to hold any quantity over until the next day's business. Other roses are in large supply. The good ones sell well at fair prices while most of the short ones hardly sell at all. Gladioli are still in an over-supply. Only the fair light colors sell well. Other fancy stock sells after a fashion while the smaller stuff has really no market worth mentioning. The Gigantium lilies are in a moderate supply and the call for them just uses it up. The same is true of speciosum and rubrum. A few valley are offered.

NOTES.

An important and interesting meeting of the Florists' Society will be held Monday evening, September 9, at the club rooms. The subject of geraniums, their adaptability and price will come up for discussion.

The formal opening of the Hill-Heller store in this city took place the early part of this week. The store-room has been fixed up in a very attractive style that shows the good taste of the management.

Visitors: Alpha Elberfield and party, Kansas City, Mo., and Milton Alexander.

The Hyde Park Rose Co. held its annual meeting of stockholders on Saturday. H.

Cleveland.

TRADE CONTINUES TO IMPROVE.

Cut flower sales still continue to show a decided increase over those of last week. Stock on the average is better than ever after the heavy rains. Dahlias are arriving in increased supply and in very good condition. Asters and gladioli remain about the same as to quantity, but the quality has improved considerably. Water lilies are now a thing of the past. Easter lilies have had an excellent call, stock cleaning up daily. A few short stemmed carnations (outdoor stock) are arriving. American Beauties are plentiful, and stock was never better. The many duplicate orders received prove they have given satisfaction everywhere. White roses have been short of the demand which has been heavy on that particular color. Greens of all kinds are plentiful.

The many friends of John Leuschner extend their sympathy in his bereavement. Mrs. Leuschner died Wednesday, August 27, after undergoing an operation for a tumor. She was buried Saturday, August 31, the services being at the home in Lakewood. C. F. B.

STONINGTON, CONN.—J. Henry Schaffer is building an addition to his greenhouses.

WEST CHESTER, PA.—The summer meeting of the Pennsylvania Horticultural Society was held here August 27 in connection with a meeting of the Fruit Growers' Association of Chester County.

The Chicago Flower Growers' Association

176 N. Michigan Ave., CHICAGO

Telephones { Randolph 5449
Automatic 43-521

J. F. KIDWELL, Pres. and Mgr.
ANTON THEN, Treas.

ED. MEURET, Vice-Pres
G. C. WEILAND, Sec'y.

OUR LEADERS

Killarney
Choice Beauties
White Killarney
Lilies
Carnations
Asters
and Gladioli

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....	3.00	2.00	1.00				
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	10.00	8.00	6.00				
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Auratum Lilies.....	8.00	6.00					
Gladioli.....	6.00	4.00	3.00				
Asparagus Plumosus Sprays..	4.00	3.00					
Asparagus Sprenger Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Summer Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Pittsburg.

JULY AND AUGUST QUIET.

July and August have been two of the quietest summer months we have ever had as far as business goes, but the outlook for the coming season, is excellent. With our mills all working and no material increase in building greenhouses this summer this market should be as it was before the recent panic. The late crop of asters are here in such large quantities that not more than one-half of them can be sold. The stock is very fine. The same thing can be said about gladioli. They are unusually fine but move slowly. Lilies are also quite plentiful with a fair demand.

NOTES.

Carrie Jordan and Annie Garriety, who conduct stands in the Pittsburg market, have returned from their outing at Atlantic City. While they were away the city built new and more modern stands, and they now have very fine and convenient quarters.

Mrs. E. A. Williams is cutting a very fine crop of asters in all colors. So far she has not been bothered by the aster bug which has destroyed the most of the local growers.

W. A. Clark has returned to Chautauqua Lake to spend a few days there before the season closes.

Mrs. J. Elicker, Homestead, Pa., is putting up more glass for growing holiday plants for her trade.

J. L. Geisey has returned from Pittsburg's favorite vacation point, Atlantic City, N. J.

The A. W. Smith Co. receives a wagon load of outdoor flowers daily from Canfield, Ohio.

R. J. Daschbach is spending his vacation in the wheat growing section of Iowa.

E. F. McCallum is spending a couple of weeks at Ocean City. E. J. M.

Pittsburg Notes.

Henry Menschke of Castle Shannon, is now frequently seen in this city. Since August 1 he has been connected with the recently organized Ludwig Floral Co. as treasurer. A recent visit to his Castle Shannon range showed everything to be in fine condition. He has erected this season several new houses with an aggregate glass area of 25,000 square feet which brings his total of glass up to 80,000 square feet. His 35,000 carnation plants are particularly fine. They were planted directly from pots to the beds in June and made exceptionally sturdy growth. A unique feature of his place is his disposal of the furnace smoke. His range is located on a hillside and formerly the smoke and soot settled back on the

glass. After studying the situation he had a trench dug running 450 feet up the hill. Two conduits of concrete were constructed from the furnaces the entire distance and the smoke now escapes into an open pit.

The twenty-fourth annual exposition of the Western Pennsylvania Exposition Society opened in the exposition building on the "Point," on the evening of August 28 and will continue to October 19. Aside from his great steel and iron industries, it is doubtful if "Father Pitt" is as proud of any of his other possessions as the exposition and old Fort Pitt, and both are on the "Point." The opening night was very rainy but there was a very fair attendance. While there were no formal exhibits by florists the exposition has made some business for several firms in the way of decorating with palms, ferns and other foliage plants. The exhibits of the products of the children's garden under the auspices of the Pittsburg Playground Association were also an interesting feature.

Much space is occupied by the dealers in various household necessities and devices. There is something to interest everybody as there are several amusement sections. The San Francisco Exposition Tour Co. occupies space and is active in creating interest in the Panama Exposition of 1915.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, Asters, Gladioli and Greens of all kinds.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Wholesale Cut Flowers and Greens

Gardenias a Specialty

A Trial Order Solicited

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE. CHICAGO

L. D. Phone Central 466

Samuel McClements of Randolph & McClements is pushing the work of piping and fitting up the new conservatories in connection with their new store and everything will soon be in fine shape. The new show room is already filled with a great variety of foliage plants and is indeed a show as viewed from Penn avenue.

At their Canonsburg range, J. B. Murdock & Co. now have a great stock of carnations (of which they make a specialty) coming on. At their city store business is becoming quite active and Howard Carney, who is in Chicago, expects a good season. They are now receiving good stock of the early chrysanthemums.

The A. W. Smith Co.'s store in the Keenan building, always attractive, has been even more so for the past week, with thousands of gladioli, and tritomas artistically arranged in the show window and other available places. They have a fine display of pot plants, the most noticeable being the hydrangeas.

The monthly meetings of the Florists' Club will be resumed on the night of September 3 at the Fort Pitt Hotel. Gladioli will be the evening topic and a large display of these flowers is expected. President Ludwig and others will give their impressions of the Chicago convention.

Fred Burki drops in about once a week from his home at the Bakers-town range of the Pittsburg Cut Flower Co. and feels the pulse of trade in the wholesale line. This company continues to put on the market a great stock of roses.

Wm. C. Mohr, a young man well and favorably known in the north side trade, has secured a position with the H. D. Mann Co., of Syracuse, N. Y. and will enter on his duties September 15.

Many of the palms and other foliage plants used in decorations of the exposition building are from the conservatories of Mrs. E. A. Williams, who is a member of the exposition society.

The Foley Mfg. Co., of Chicago, has closed a contract with the Indiana Floral Co., of Indiana, Pa., for two new houses 34x200 feet each. The construction is already under way.

E. J. Fancourt of Philadelphia was a visitor on August 31. A. F. F.

ST. JOSEPH, MO.—The Foley Mfg. Co. of Chicago is erecting a greenhouse for the Mount Mora Cemetery Association.

Please Take Notice!

Country Fairs Are Next on the Programme.

Are you prepared for them? Hit the bull's-eye. Be successful. Buy your Exhibition Plants from Godfrey Aschmann. You will surely meet with success in carrying off first prizes and certificates of merit. We make a specialty of raising plants for country fairs.

Araucarias Our Specialty.



Araucaria Excelsa, April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and Robusta Compacta, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa, new importation, arrived per steamer Lapland, in fine condition,

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

MILAN, MICH.—Mrs. M. Weller is building an addition to her greenhouse which will double the capacity.

CINCINNATI, O.—Harry Goetz has been granted a permit to erect two greenhouses on Winton Road. They will cost \$3,500.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00, \$2.50 and 30c.

Cocos Weddelliana Palms, single, 3-in. pots, 15c, 18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphea Australis Palms, 5-in. pots, 20-in. high, 35c.

Ficus Elastica, Belgium or American stock, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Asparagus Plumosus and Sprengeri, large 4-in. \$10.00 per 100 (or 10c).

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$10.00 per 100.

Primula Chitensis, John F. Rupp strain, assorted, 4-in., \$10.00 per 100.

Begonias Gloire de Lorraine and Lonsdale, pink, large 4-in., 30c to 35c; **Glory of Cincinnati**, 4-in., 40c to 45c.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Patrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Ferns.

Neph. Whitmani, 5½ to 6-in. pots, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c to 25c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.

Boston, 8-in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. **Dish Ferns** now ready, \$4.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

Solanum or Jerusalem Cherries, 2½-in. \$5.00 per 100.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

Connecticut Horticultural Society.

Active fall work began auspiciously August 23, when business meetings were resumed after the summer respite. All efforts this autumn are to be concentrated upon the dahlia exhibition at Unity Hall, Hartford, September 19-20. For a number of years this society has also given a chrysanthemum exhibition in November, but will, this season, confine itself to one show. The state fund of nearly \$200 has, by legislative enactment, been reduced a half, much to the discomfiture of this and other allied societies.

A large accession of new members this fall and winter is expected, four having been added at the last meeting as follows: D. J. Flynn and J. Thomas Brydon, Hartford, and J. Ernest Andrew and Harry W. Andrew, Bristol. Special prizes have been liberally offered for the dahlia exhibition, among which are the following:

By H. L. Metcalfe, Hartford, \$2 for largest dahlia bloom; first prize, \$1.25; second prize, 75c.

By a member (anonymous), \$5 for best 6 vases of gladiolus, 6 blooms each, distinct varieties; first prize, \$3; second prize, \$2.

By Thomas J. Grey Company, Boston, \$5 for best collection of dahlia blooms, named varieties, one bloom each; first prize, \$3; second prize, \$2.

By C. H. Sierman, Hartford, \$10 for best exhibit of dahlias in pots not exceeding 10 inches in diameter; first prize, \$6; second prize, \$4.

By the Joseph Breck & Sons' Corporation, Boston, \$10 for the best collection of asters, 50 blooms of each variety; first prize, \$6; second prize, \$4.

By Stumpp & Walter Co., New York, silver cup for collective exhibit of greatest merit. This prize is intended for the individual having the best all-around exhibit, quality and quantity both considered.

By Arthur T. Boddington, New York, \$25 for the best collection of vegetables, to be judged by the scale of points in use by the Lenox Horticultural Society; first prize, \$12; second prize, \$8; third prize, \$5.

Vice President J. Alfred Weber, of Hartford, again had charge of the immense floricultural exhibit at the Connecticut fair, at Charter Oak Park, which opened on Labor Day, with Ex-president Roosevelt as one of the attractions. The society has just suffered the loss of a valued and honored life member, in the sudden decease of Stephen Delbar, of Hartford, who dropped dead on Monday, August 26, after a long and useful life. He was a lover of horticulture, and a member of the former organizations out of which the present society evolved. GEORGE W. SMITH, Sec'y.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 4.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 30-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 5 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Richmond.....	3 00@10 00
" Prince de Bulgarie.....	3 00@10 00
" Radiance.....	3 00@10 00
" Mrs. Aaron Ward.....	3 00@10 00
" My Maryland.....	3 00@10 00
" Melody.....	3 00@10 00
" Bride.....	3 00@10 00
" Bridesmaid.....	3 00@10 00
" Mrs. Jardine.....	3 00@10 00
" Kaiserin Augusta Victoria.....	3 00@10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, doz., 2 00@3 00	
Asters.....	1 00@ 4 00
Orchids, Dendrobium, per doz., 6 00	
Daisies.....	75
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Lilium Harrisii..... per doz., 1 50	8 00@10 00
Stocks fancy..... per doz., 50@ 1 00	
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.	1 50
Galax.....	1 25
Leucothoe.....	75
Plumous String..... each.	60
Smilax..... per doz., 1 50@2 00	
Sprenger, Plumous Sprays.....	3 00@ 4 00

PORTLAND, ORE.—A dahlia show was one of the features of the first annual fair held at Nehalem City by the Nehalem Floral and Industrial Association August 24.

PORTLAND, ORE.—The Portland Floral Society will hold a chrysanthemum show some time in the early fall.

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.



CC POLLWORTH CO.

Advise Planting Formosa Lilies now.
Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders.

Jobbers of **FLORISTS' SUPPLIES**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Washington.

The condition of the market here since congress adjourned is the worst it has been all summer. Stock of all kinds is in over supply.

NOTES.

The auto parade of September 2 called for quite a little extra work for some of the downtown florists. Gude Bros. carried off first prize with a beautiful decorated car of American Beauties and also had the good luck to decorate another prize winner.

Z. D. Blackstone had the decoration of the Barker truck. It had a colonial house with window boxes of purple asters and clematis. He also decorated the Potomac electric car with red dahlias and clematis.

Geo. Shaffer had his delivery car entered and it was very handsomely decorated with asters and green stuff. He also had a very neat car in the old Dutch market style.

William Gude will defend the Dorrance challenge trophy at the National Flower Show in New York, next April. If he wins again, the cup becomes his permanent property.

Walter Hawley of Gude Bros. has returned from his vacation after spending two weeks at his home in New York.

Joe Merritt of Roslyn, Va., is sending in some very fine dahlias. G. C. D.

FISHKILL, N. Y.—Benjamin Hammond, who attended the Chicago convention of the S. A. F., has a very interesting article on the condition of things between the metropolis of the lake and the east in a recent issue of the Fishkill Standard.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Sept. 4.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Gladioli.....	1 00@ 3 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	50
Swainsona.....per bunch,	25
Asparagus.....per string,	50
" Sprenger, per bunch,	25
Ferns, Fancy.....per 1000,	1 50
Galax.....per 1000,	1 50
Smilax.....per doz.,	1 50

PITTSBURGH, Sept. 4.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums.....doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprenger, per bunch,	35@40
Sprays.....per bunch,	35@40

PHILADELPHIA, Sept. 4.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Dahlias.....	2 00@ 4 00
Gardenias.....per doz., 1 00@2 00	
Gladioli.....	2 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 4 00
Marquegrites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch,	50
Smilax.....	15 00@20 00

MADISON, N. J.—The seventeenth annual flower show of the Morris County Gardeners and Florists' Society will be held in the Assembly hall, October 31 to November 1.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.
Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH.
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr
Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.
WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.
Supplies and Everything in Season always on hand
Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.
Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,
Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO.
Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT,

Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

St. Louis, Sept. 4.	Per 100.
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	3 00@ 5 00
" White Killarney.....	2 00@ 6 00
Asters.....	2 00@ 4 00
Easter Lilies.....	8 00@10 00
Gladiolus.....	2 00@ 3 00
Valley.....	3 00@ 4 00
Asparagus Sprengeri.....	2 00@ 3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy.....	1 50
Lilium Rubrum.....	5 00@ 6 00

CINCINNATI, Sept. 4.

Roses, Beauty.....per doz., 50@ 3 00	
" Bride, Bridesmaid.....	2 00@ 8 00
" Killarney.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Taft.....	2 00@ 8 00
Asters.....	1 00@ 3 00
Lilium Auratum.....	8 00@12 50
Lilium Gigantum.....	8 00@10 00
Gladioli.....	2 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch, 25	
Asparagus Sprengeri.....per bunch, 25	

Oklahoma, City.

The market for truck-growers which was started here several weeks ago has proved such a benefit to both growers and consumers that another market has been planned for the east side of the city. It will open three days a week, beginning September 2.

Trade is not very brisk. There is a little something doing every day but it is only a little. Local grown outdoor flowers are about over and a very good grade of white and pink asters are coming in from points farther north.

J. F. Hickey, manager of the Barteldes Seed Co., went to Lawrence, Kan., the firm's headquarters, August 31.

Geo. Stiles has been laid up several weeks with a broken arm. S. S. B.

The Only Florist Supply House in the Southwest

Write for Catalog on **Bulbs and Florists' Supplies.**

BARTEDES SEED COMPANY,
Dept. A, OKLAHOMA CITY, OKLA.

Wholesale Flower Markets

BUFFALO, Sept. 4.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
Maid and Bride.....	3 00@ 6 00
Pink Killarney.....	3 00@ 6 00
White Killarney.....	3 00@ 6 00
Richmond.....	3 00@ 8 00
My Maryland.....	3 00@ 6 00
Kaiserin.....	3 00@ 8 00
Carnot.....	3 00@ 7 00
Carnations.....	1 00@ 2 00
Cornflowers.....per bu., 5	
Asters.....	50@ 1 50
Gladioli.....	1 00@ 2 50
Lilium Longiflorum.....	7 00@10 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Snaphdragons.....	1 00@ 1 50
Swainsona.....	50@ 1 00
Sweet Peas.....per bu., 4@6c	
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus Sprengeri.....	35@ 50
Ferns.....per 1000, \$1 50	
Galax.....	15 00
Smilax.....	

BOSTON, Sept. 4.

Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	50@ 1 00
" Bride, Bridesmaid.....	1 00@ 6 00
" " Extra.....	1 00@ 6 00
" Killarney and Richmond.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 2 00
Callas.....	8 00@12 00
Cattleyas.....	50 00@60 00
Gardenias.....	8 00@10 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	25@ 35
Smilax.....	12 00@16 00

ROCKFORD, ILL.—H. B. Sullivan has sold his greenhouse to Charles E. Rogers.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Philadelphia.

VERY LITTLE DOING.

It has been dull before, but there were reasons, such as the weather, the season, etc. Last week, however, was the limit. There was very little doing, not enough as one dealer puts it, to pay for the ice. This week trade is a trifle better—just a shade more demand. There is an abundance of stock coming in, although many growers are cutting lightly. Should a demand of any size develop, there is no question of getting stock enough to meet it. New crop American Beauties are very good for the season and all other rose stock is improving. My Maryland is now seen with stems from 24 to 30 inches in length. Quite a number of the new roses will be seen on the market the coming season, Lady Hillingdon, Mrs. Taft, Mrs. Ward and Sunburst, having been liberally planted. Asters dominate the market. They constitute two-thirds of the bulk of the stock. Many are not worth the shipping charges, but among the higher grades are some well grown flowers that bring fairly good prices. Gladioli are still very plentiful, but prices are low. Easter lilies and valley are more than equal to the demand. Cattleyas are the really scarce flower, they being sent in only on order.

CLUB MEETINGS.

The September meeting of the club was most interesting. An important feature was an address by President-elect Farquhar, who spoke of the honor conferred on him and the responsibilities placed on his shoulders. The society was greater in every way than it had ever been before. Greater in membership and greater in the work to be accomplished. The coming year would see the great National Flower Show in New York and the convention later in Minneapolis. He predicted a wonderful exhibition in New York and that Philadelphia would share largely in the honors. David Rust at his suggestion is getting up a committee composed of the foremost men in the business to work up enthusiasm in this city so that all will be properly arranged when the time comes. Referring to the S. A. F., Mr. Farquhar thought that the office of secretary was one of the most important and that the term of office, whether by appointment made by the executive committee or by election by the society, should be extended to three, or possibly five, years. It takes this officer one year to get acquainted with his duties, said the speaker, and perhaps two, then he becomes useful and can conduct the affairs of the society much better than a green man. Adolph Farenwald read a paper on his trip abroad and visit to the Great International Exhibition. This was very instructive and entertaining. The members of the club not present missed a great treat. Joseph Heacock, I Rosnosky and Robert Kift gave accounts of their visit to the Chicago exhibition. President Thilow also spoke of the work of the publicity committee of the florists' clubs at the convention. A fine exhibition of dahlias was made by the Leo Niessen Co. They were from the Peacock Dahlia Farms at Williamstown, N. J.

NOTES.

The Robert Craig Co. is also much pleased with its sales at Chicago, over 5,000 crotons and many other plants being sold at that time. The new houses at Norwood are nearly all finished, four of them being filled with stock. One is given over entirely to poinsettias which are coming on splendidly. A table of poinsettia cuttings, 11,000 in all, in which there was not a loss, all being rooted, is one of the proud records of the place.

Asters! Asters! Asters!

GET THE BEST.

We make regular shipments to customers in the Middle, Central and New England States.

Firsts	\$1.00 per 100
Extras	1.50 per 100
Fancy	2.00 per 100
Special	\$2.00 to 3.00 per 100

GEO. B. HART,

WHOLESALE FLORIST,

24 to 30 Stone St., ROCHESTER, N. Y.

Strawberry Plants

POT GROWN. Extra Strong, any quantity, any variety. Order early and have your plants selected for July delivery.

Bulbs for Forcing

BEDDING AND NATURALIZING. We have made arrangements with the leading growers to have our bulbs specially selected.

Write for List and Reserve Your Order

P. H. GOODSSELL,

200 Broadway, New York City

J. J. HUNTER

Supt. of Sales Rooms and Warehouse

W. E. MAYNARD

Mgr. Sales Dept. (Basem't)

157-159 William St., New York

Echoes of the convention are still heard. John Ruppert, of the Dreer force, reports that they have been packing convention orders for the past ten days. He says they did more business in Chicago than at any other convention, except the one held here. A waste paper press installed here converts waste paper into a by-product. Formerly this rubbish was burned with considerable trouble. Now the baled material is readily sold, bringing in quite a sum in the course of a season.

The Dreer Co. exhibited a novelty in its Chestnut street store window last Monday, it being a quart of luscious strawberries, a new late fruiting variety called Americus. The berries are large and of fine flavor. It is said to be as prolific as the earlier June sorts. There is also on exhibition about fifty varieties of hardy phlox which attract considerable attention.

Charles H. Campbell has purchased property at 3532 Germantown avenue and will erect a greenhouse in which to carry on the business until the permanent store at the old place, 3601 Germantown avenue is erected. Three houses, 16x150 feet, with cement sides and iron gutters, have just been completed at the country place at Penllyn, Pa.

H. Bayersdorfer, who had the largest display ever made at an S. A. F. convention, says his firm also broke the record with the business done. Mr. Bayersdorfer says that without doubt this winter will be the greatest season ever experienced in the flower trade.

The M. Rice Co. is greatly elated over their reception at the convention. B. Eschner thinks that there is an era of prosperity coming, judging from the orders from visiting florists from all parts of the country.

W. K. Harris also showed good judgment by adding to his service a fine three-ton delivery automobile. It will carry as much as their largest wagon and do three times the work of that now ancient vehicle.

Berger Bros. are handling some very desirable carnation plants, strong vigorous stock of the best varieties. Asters, Easter lilies and Killarney roses are leaders this week too.

The Leo Niessen Co. is adding an iron platform to connect the elevator service with the supply department.

Edward Reid and family are looking over their ranch in North Dakota. He is expected in this city September 20.

George Craig now runs a fine Auto-car in his delivery service. It will no doubt be a great trade booster. K.

Boston.

MARKET IMPROVING.

The market conditions have improved the last part of the week although trade is not especially brisk. Still there was a general feeling that conditions are better. In roses the summer varieties hold the center of the stage. Chrysanthemums (Golden Glow) are good but rather soft owing to the wet weather. With cooler weather we expect an improvement. Smith's Advance is going to be largely grown in this section. One grower has 15,000 plants. Carnations, owing to the shortness of the stems, are not in great demand. With the passing of Labor Day, the influx of vacationists home again, the opening of the schools and colleges, and with the aster soon over, we may expect trade to fall into its normal channels.

NOTES.

The greenhouse building here has been all that the builders desired. The Lord & Burnham house, built for Wm. Nicholson, Framingham, is a beautiful piece of workmanship. The King houses that have been built here have been constructed entirely of California redwood.

A meeting of the stockholders of the Boston Flower Exchange is to be held Saturday evening, September 7. Action will be taken on a proposal to move from the present location to Winthrop Square.

Means and Thatcher have been appointed managers for the Garland Construction Co. of Chicago. Here is a western firm reaching out for business in the East.

The Morehead steam traps agent reports that business in his line is all that he could wish. The latest to install one is Robert Montgomery of Natick.

The auction of stalls in both markets was held Saturday. The direct-ors of both markets were well pleased with results. MAC.

Monongahela, Pa.

The J. Shelby Crall Co. has recently been replacing some old houses with new ones and increasing its glass area. This firm has bought out E. A. Lute's interest at Monessen and has just opened a store there. They have also a good store in the business center of Monongahela.

MUSKEGON, MICH.—The annual picnic of the Muskegon County Horticultural Society was held here August 31.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS
109 West 28th Street, NEW YORK
Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in Supplies

**Traendly & Schenck,**

WHOLESALE FLORISTS,
131 & 133 WEST 28th ST
Phones: 798 and 799. NEW YORK

Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK.
Telephones: 7082-7083 Madison.

Badgley, Riedel & Meyer, Inc

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.

Consignments Solicited.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6
o'clock Every Morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone. 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prince
Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS
Phone 2336 Madison. Shipments Everywhere
Prompt and satisfactory. Consignments solicited

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main. BROOKLYN, N. Y.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to John I. Raynor,

Wholesale Commission Florist, SELLING AGENTS FOR LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328. 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago**Wholesale Flower Markets**

	NEW YORK Sept. 4.	Per 100
Roses, Beauty, special.....	15	00@25 00
" " extra and fancy ..	8	00@12 00
" " No. 1 and No. 2....	1	00@ 6 00
" " Bride, Bridesmaid.....	3	00@ 4 00
" " extra and fancy.....	50	@ 2 00
" " No. 1 and No. 2.....	3	00@ 5 00
" " Killarney, My Maryland..	2	00@ 3 00
" " extra and fancy.....	50	@ 2 00
" " No. 1 and No. 2.....	50	@ 5 00
" " Taft, Hillingdon, Aaron	50	@ 2 00
" " Ward.....	50	@ 2 00
" " Richmond.....	50	@ 2 00
Asters.....	50	@ 2 00
Carnations.....	50	@ 2 00
Cattleyas.....	20	00@50 00
Gardenias.....	8	00@15 00
Lilies, Longiflorum and Harrisii..	4	00@ 8 00
Lily of the Valley.....	1	00@ 2 00
Adiantum Croweanum.....	15	@ 25

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK

Tel. 551 Madison Square
CONSIGNMENTS SOLICITED.



The Point is this:

It means a big saving to you to buy the quality of **Boxwood Sprays** that you can use every bit of.

It means a big loss to you when you pay for heavy wood.

We feel in position to recommend to the purchaser our **Boxwood Sprays** for good value in weight and quantity.

We guarantee the quality; can't do any more.

Price 50 lb. case \$7.50.

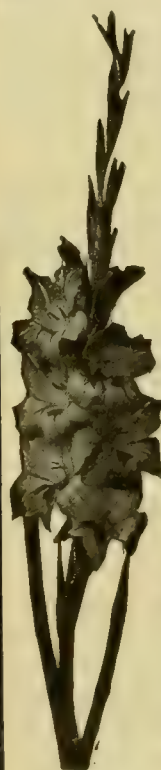
Special price on quantity orders. We use "**Express Savings**" shipping cases.

We ship successfully to all points of the United States and Canada. Season open October 1, 1912.

Pittsburgh Cut Flower Company

Introducers of FINE BOXWOOD SPRAYS
Salesrooms and General Offices
121 SEVENTH STREET

Wholesale Growers of CUT FLOWERS
PITTSBURGH, PA.



THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

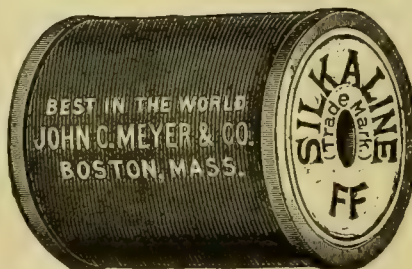
We Are Now Booking Orders for
Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**

E. A. BEAVEN, Evergreen, Ala.

Always mention The American Florist when you order stock. :::



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$2.25; 6 baskets \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

Mention the American Florist when writing

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of
quality and quantity.

E. FRIEDL, Phillips, Wis.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone,

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place,
L. D. Phone Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heiml & Son,
129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail
Telephone, Telegraph and Cable orders with best
quality stock in season.

Mention the American Florist when writing

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,
440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND
Successor to Sievers & Boland
FLORIST
60 KEARNEY STREET.

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone 334 Main

S. MASUR
236 Fulton Street,

Mail, Telephone and Telegraph orders filled
promptly for all occasions.

Chicago.

A. LANGE,
25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

September 8.

FROM MONTREAL, Scotian, Allan.

September 10.

FROM BOSTON, Cymric, White Star, 9 a. m.

Ryndam, Holland-America, 10 a. m.

Kronprinzessen Cecilie, North Ger. Lloyd, 10

a. m.

African Prince, Prince.

September 11.

Mauretania, Cunard.

September 12.

FROM MONTREAL AND QUEBEC, Lake Mani-

toba, Can. Pac.

France, French, 10 a. m., Pier 57, North River.

Uranium, Uranium Line.

Celtic, White Star, 12 noon.

Kronprinzessen Cecilie, Ham.-Amer., 11 a. m.

Grosser Kurfuerst, North Ger. Lloyd, 10 a. m.

Bremen Pier.

Sant Anna, Fabre, 3 p. m.

Oscar II., Scand.-Amer., 2 p. m.

September 13.

FROM MONTREAL, Victorian, Allan.

FROM PHILADELPHIA, Manitou, Red Star,

10 a. m.

September 14.

FROM MONTREAL AND QUEBEC, Grampian,

Allan.

Cameronia, Anchor, 11 a. m., Pier 64.

Rochambeau, French, 3 p. m., Pier 57, North

River.

New York, American, 9:30 a. m., Pier 62,

North River.

Finland, Red Star, 10 a. m., Pier 61, North

River.

Majestic, White Star, 12 noon.

FROM BOSTON, Celtic, White Star, 12 noon.

FROM MONTREAL, Laurentic, White Star,

Dom., at daylight.

FROM PHILADELPHIA, Prinz Adalbert, Ham.-

Amer., 11 a. m.

America, Navigazione, Pier 64, North River.

Trent, Royal Mail, Pier 42, North River.

FROM MONTREAL, Ascania, Cunard.

September 15.

FROM MONTREAL, Ionian, Allan.

September 17.

Rotterdam, Holland-America, 10 a. m.

Kronprinz Wilhelm, North Ger. Lloyd, 10 a. m.

Alexander McConnell,
611 Fifth Ave., cor. 49th Street.
NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Telephone Calls: 487 and 488 38th St.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET:

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK
and give special attention to steamer and theater
orders. Prompt deliveries and best
stock in the market.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed and
Floral Company

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.

Kansas City and

Pleasant Hill, Mo.

Will fill all orders for Cut
Flowers, Funeral Designs
Wedding and Birthday Gifts
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDSN. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**Will execute orders for any
town inMissouri, Kansas or Oklahoma
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

Members Florists' Telegraph Delivery.

550 So. Fourth Avenue.

Mention the American Florist when writing

Boston, Mass.

**"Penn, The Telegraph Florist"**Members of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET.

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyrnes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Willson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 58 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
Sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue.

All Orders Given Prompt and Careful Attention

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

..... 241 Massachusetts Ave.

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, Floral Co.**
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc. 229 WEST THIRD STREET.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Floral Co.
La Crosse, Wis.—La Crosse Flower Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York, Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out of town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in **NORTHERN OHIO.**

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and Vicinity on Telegraphic Order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of **GRAND RAPIDS**

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

236 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street

Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Salford Flower Shop"
Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Terre Haute, Ind.

The second annual picnic of the Terre Haute Florist Club occurred August 29. Sixty-eight members and their friends took lunch and went ten miles up the Wabash river to Tecumseh. A stop was made there and all kinds of amusements occupied the time. The party returned at 7:00 p. m. There has been a great deal of funeral work the last two weeks which has helped considerably.

John E. Heini and wife, and Fred G. Heini, wife and daughter met Geo. Heini of Toledo in their autos at the half-way house between Indianapolis and Terre Haute, for dinner, after which the entire party returned to Terre Haute. Geo. Heini will be the guest of his brother for some time.

Fred Heini's new greenhouses are about completed. They are planted to roses, carnations and green stuff.

Henry Graham and wife have gone on a two months' trip to Los Angeles to visit their son and daughter.

Reisse of the Terre Haute Rose & Carnation Co. has just returned from Regina, northwest Canada. B. S.

BURLINGTON, VT.—The annual orchard meeting of the Vermont State Horticultural Society was held at Shelburne Farms, August 21.

AUGUSTA, GA.—The fifteenth annual convention of the Southern Nurserymen's Association was opened here August 28. Twelve states were represented. E. W. Chittin of Winchester, Tenn., is president.

MARTINSBURG, W. VA.—The Union Corner Orchard Co. of this place has incorporated with a capital stock of \$50,000. The incorporators are H. A. Hammann, M. L. Dorn, S. S. Felker, W. S. Snyder and A. C. Nadehousch, all of Martinsburg.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388 A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street

CHICAGO

Flowers Palms Decorations

Rented or Sold

Phones:—Randolph 4708. Nursery, Rogers Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high.	Each Doz.
2½-in.	4	8 to 10	\$ 1 50
3-in.	5	12	2 00
4-in.	5	15	4 00
5-in.	6 to 7	18	6 00
6-in.	6 to 7	24	1 00
6-in.	6 to 7	26 in. high	1 25
6-in.	6 to 7	28 to 30	1 50
Cedar tub	Leaves	In. high.	Each Doz.
7-in.	6 to 7	34 to 36	2 50
9-in.	6 to 7	40 to 45	4 00
9-in.	6 to 7	42 to 48	5 00
9-in.	6 to 7	48 to 54	6 00
9-in.	6 to 7	5 ft.	8 00
9-in.	6 to 7	6 to 7 ft.	10 00
Cocos Weddelliana			
Pot	In. high		Per 100
2½-in.	8 to 10		\$10 00
Areca Lutescens			
9 in.	Several	5 ft.	\$7 50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each Doz.
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
9-in.	4	5 ft.	7 50
12-in.	4	5½ to 6½ ft.	15 00
Phoenix Roebelenii			
Pot	5 in., nicely characterized		Each \$1 00
6-in.	18 to 20-in. spread		1 50
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00
Cibotium Schiedei			
Cedar tub	Spread		Each
7-in.	2 to 2½ feet		\$2 00
9-in.	4 feet		4 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

Geraniums

Rooted cuttings of **S. A. Nutt.** and **Ricard** at \$10.00 per 1000; **Poitevine** at \$12.50 per 1000. These prices hold good only until Oct. 1st.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon	6 00	50 00
May Day.....	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

ASPARAGUS

	Per 100	Per 1000
3-inch Asparagus Plumosus.....	\$3.00	\$25.00
3-inch Asparagus Sprengeri.....	3.00	25.00
1-year-old Asparagus Plumosus for bench.....	2.00	18.00
Strong 2-in. Smilax plants.....	2.00	18.00

GEORGE REINBERG,
162 N. Wabash Ave. CHICAGO

CARNATIONS

Last Call for Field Grown Plants
Hence Reduction in Prices.

We have a choice surplus left which have been given the same care as stock planted in our houses which we offer at reasonable prices; we guarantee you will find them **A1 Value**—you will be pleased with the stock. We advise early ordering.

	Per 100	1000		Per 100	1000
Washington	\$5.00	\$45.00	Victory	\$5.00	\$45.00
Pink Enchantress	5.00	45.00	Princess Charming	5.00	45.00

J. A. BUDLONG

82-84-86 E. Randolph St.

CHICAGO, ILL.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

MICHIGAN beans are very late this season.

VISITED CHICAGO: A. Bachellot, representing Davy, Arpajon, France.

VISITED NEW YORK: S. B. Dicks, representing Cooper, Taber & Co., London, England, who arrived August 31.

JAPAN reports August 16 indicate ground badly burnt by dry weather and farmers need rain for digging purposes. Giganteums are not yet dug.

CARL CROPP, of Vaughan's Seed Store, Chicago, and wife will return from Europe September 11, sailing from Bremen on the S. S. Koenigin Luise.

It is reported that a large shipment of Chinese narcissus bulbs has arrived in this country decayed and worthless and have been abandoned to the government by the importers.

CHICAGO.—Prices on the Board of Trade September 4, for grass seed were noted as follows: Timothy, \$4 to \$5 per 100 pounds.—Vaughan's seed Store reports a good demand for winter top-seeds.

DENVER, COLO.—The Colorado Seed & Nursery Co., 1515 Champa street, was recently incorporated with C. R. Root, president, Wm. F. Horlacher, vice-president, and L. Malone, secretary-treasurer. Mr. Root was 21 years with the Barteldes Seed Co., 14 years as general manager. Mr. Horlacher was nearly 14 years with the same company as florist and horticulturist and Mr. Malone was identified with the Barteldes concern for nine years, four years as manager of the city store.

Chisholm Sales Manager.

Thomas W. Chisholm, who has just completed his first year's work for the Braslan Seed Growers Co., Inc., San Jose, Calif., has been made sales manager of that company. Prior to his association with the Braslan company, Mr. Chisholm was identified, in important capacities, with one of the most prominent eastern seedsmen, latter going west to take up the same work in Southern California. Mr. Chisholm, who is a native of Edinburgh, Scotland, has been close to the seed industry all his life and is thoroughly familiar with every branch of the work. During the past year, since returning from his eastern trip, Mr. Chisholm has had the Sacramento and San Joaquin River growing operations of his company under his care and his promotion to the position of sales manager is largely due to his complete success in this work.

Quarantine Law Hearings.

The Secretary of Agriculture, Washington, D. C., has issued a public document on the enforcement of the federal plant quarantine law. In compliance with the law, before quarantine proclamations are issued, public hearings will be given to persons interested who may appear in person or by attorney, or submit their views in writing. Announcement is hereby made that these hearings will be held as follows:

On the white pine blister rust, September 16, 1912.

On the Mediterranean fruit fly, September 18, 1912.

On the potato wart disease, September 20, 1912.

All hearings will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock a. m., on the dates above specified. Photographs illustrating the three dangers above mentioned can be obtained upon application to the Chief of the Division of Publications, Department of Agriculture, Washington, D. C. The full text of the document will be found elsewhere in this issue, page 420.

Warning Against Low Grade Hairy Vetch.

The Secretary of Agriculture has issued a warning to prospective purchasers of hairy vetch seed against certain lots of low grade offered by some wholesalers. The greater part of the hairy vetch seed used in the United States comes from Europe and much of that of recent importation contains only from 15 to 80 per cent of hairy vetch seed, the rest being spring vetch or various wild varieties. The price is higher than ever before and the consequent loss is greater where adulterated seed is bought.

The seeds of hairy vetch are spherical while those of the other varieties are more or less irregular and vary greatly in size. The hairy variety is dull grayish-black in color while the other kinds vary in color also. The seeds which have become crushed are a bright lemon-yellow if of the hairy kind. The department sums up its warning thus:

If the seed is not spherical it is not hairy vetch.

If the seed is not uniformly a grayish-black color with a greenish tinge on fresh seed it is not hairy vetch.

If the inside of the broken seeds is not lemon color it is not hairy vetch.

Teneriffe Onion Seed in Texas.

San Antonio, August 28.—Between 300 and 400 members attended the annual meeting of the stockholders of the Southern Texas Truck Growers' Association, held here Wednesday and Thursday of this week. It is not likely that a greater acreage will be en-

couraged for next year although the seed situation has been solved. Last June a representative was sent to the Teneriffe Islands and while there he succeeded in buying enough yellow seed to fill all of the orders. Crystal wax seed will be scarce. In view of the success met with by the representative it is not thought the acreage next year will be reduced over the season just closed when 11,000 acres were planted in onions. The board of directors have fixed the price of seed at \$1.75 per pound. The shipments made by the association for the year were about divided as follows:

Onions—2,437 cars, net to growers 62.17 cents per crate.

Potatoes—487 cars, net to growers 95.95 cents per bushel.

Cabbage—240 cars, net to growers \$1.41 per cwt.

Miscellaneous—212 cars.—Packer.

Catalogues Received

A. T. Boddington, New York, garden guide; Lager & Hurrell, Summit, N. J., orchids; Vaughan's Seed Store, Chicago and New York, flower seeds; J. M. Thorburn & Co., New York, wholesale trade list of bulbs; W. Atlee Burpee & Co., Philadelphia, Pa., wholesale list of vegetable seeds; S. Jacobs & Sons, Brooklyn, N. Y., greenhouse construction materials; Henry F. Michell Co., Philadelphia, Pa., mid-summer list of seeds and supplies; Peter Henderson & Co., New York, midsummer list of strawberry plants, seeds and supplies; Griffing Bros. Co., Jacksonville, Fla., trees; Simonds Heating & Specialty Co., Grand Rapids, Mich., heating systems; Chris. Reuter, New Orleans, La., vegetable seeds; Benjamin Hammond, Fishkill-on-Hudson, N. Y., putty and slugshot; Iowa Seed Co., Des Moines, Ia., seeds; California Rose Co., Pomona, Calif., wholesale list of roses; F. R. Goodman, West McHenry, Ill., dahlias; New York Market Gardeners' Association, New York, pansy and other seeds; Green's Nurseries, Farmville, Va., wholesale list of trees, shrubs and vines; Mt. Desert Nurseries, Bar Harbor, Me., herbaceous peonies.

The Dahlia Farm, East Moriches, N. Y., dahlias; Henry Mette, Quedlinburg, Germany, pansy seeds; Friedr. C. Pomrencke, Altona-Hamburg, Germany, seeds; Sluis & Groot, Enkhuizen, Holland, seed crop report; J. Hasslach, Saint Remy-de-Provence, France, seeds; Ch. Lemaire, Paris, France, wholesale list of Lilium Candidum; Etablissements Horticoles du Littoral, Cap D'Antibes, France, gerberas and freesias.

ERFURT, GERMANY, August 15.—Cold and wet weather makes seed crop outlook poor.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons

ROCHESTER, N. Y.

Direct Importations

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades.
Azaleas, Palms, Bays, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Manetti. Jap-Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE
17 Murray Street, NEW YORK

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., **CHICAGO**

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oats
Barley
Wheat

SWEDISH SPECIALTIES

Grown Under Government Control by

The General Swedish Seed Co.

SVALOEF, SWEDEN

Descriptive Pamphlet Prices

and Samples on Application.

LOECHNER & CO., 11 Warren Street
NEW YORK

Oats
Barley
Wheat

Genuine Teneriffe Onion Seed For Sale

We have a surplus of Genuine Red Bermuda Onion Seed, which we offer in original tin-lined cases at \$2.00 per pound.

CHRIS. REUTER, Seedsman,
NEW ORLEANS, La.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed...25c
1 oz. ...\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

California CALLA Bulbs

Place your order in time to secure your wants in this stock.

Callas are still scarce and the quantity is limited. Write for prices.

Write for prices on Dutch Bulbs.

M. M. CARROLL, Norwood (Cinti.), O.

The Early Advertisement Gets There.

Sow Now For Winter Flowering Vaughan's Sweet Peas



Sow two ounces of seed in 100 feet of row, and thin out as much as necessary when the plants are about six inches high.

If you want the main crop of your Sweet Peas to flower in January or February, sow about Sept. 15.

White Seeded Sweet Peas. Put seed in water over night, then put in box or flat and in a temperature of 60 degrees. Seeds will germinate in two days and then can be sown.

	oz.	1/4 lb.	lb.
Canary Bird, Early yellow	20	60	\$2.00
Christmas Countess			
Mrs. C. H. Totty	Sky blue	20	60 2.00
Christmas Meteor	Brilliant red	25	70 2.25
Christmas Pink	Pink and white; best for winter months	15	50 1.50
Earliest of All			
Christmas Prima Donna	Daybreak pink	25	70 2.25
Mrs. F. J. Delanskey			
Christmas White			
Mont Blanc	Pure white	15	50 1.50
Florence Denzer			
Mrs. Alexander Wallace	Fine lavender	20	60 2.00
Mrs. W. W. Smalley	Salmon pink	20	60 2.00
Mrs. William Sim			
Snowbird	Black-seeded white	15	50 1.50
Burpee's Earliest White			
Winter-Flowering Sweet Peas Mixed		20	60 2.00

Ask for Vaughan's Book for Florists, Fall Edition.

CHICAGO Vaughan's Seed Store, NEW YORK
Greenhouses, Trial Grounds and Nursery at Western Springs, Ill.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100...\$13.00
" Rubrum, 9 in.-11 in. per 100... 9.00
" Melpomene, 9 in.-11 in. per 100... 9.50
Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.
114 Chambers Street, NEW YORK, N. Y.

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.
Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Calgary, Alta., Can.

A. M. Terrill has just completed an addition of three houses. They are of King construction and are each 271 feet 6 inches long and 25 feet wide. The new houses will be used for carnations and violets.

Genial Joe Ilott of Terrill's has just returned from a month's vacation in Vancouver, B. C. Joe says he had a fine time.

The Campbell Floral Co. of this city has started work on two new houses. They will be finished this fall. C.

SCRANTON, PA.—The Marvin greenhouse property on Capouse avenue has been purchased by John W. Beagle.

Giant Pansy Seed.



Read what growers say about the Kenilworth Strain of mixed Pansy seed in the American Florist, July 6, page 1435: 2000 seeds, 50c.; 5000, \$1.00; 14 oz., \$1.25; 1 oz., \$5.00.

PANSIES IN
SEPARATE COLORS.

Adonas, Emperor, William, Black, Beauchamp, Yellow, Yellow dark eye, Masterpiece, White, White dark eye, Purple Orchard Flowering, Bronze shades, Light Blue, Dark Blue, Red shades, Zebra, 1000 seeds 25c.; any 5, \$1.00; 11, \$2.00. With every \$1.00 worth of Pansy seed I will send 1000 of Rainbow free and with other amounts in like proportions.

Chas. Frost
Kenilworth,
N. J.

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.
Cyclamen Seed English strain, best obtainable \$1.00 per 100;
\$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.
Mention the American Florist when writing

Silver Pink Snapdragon

has made good and we have had high praise for it. Having perfected this strain true from seed I can now distribute it to any part of the Globe, and offer new crop seed absolutely pure and true, backed by my reputation and guarantee, at \$1.00 per packet, 3 for \$2.50, half packets, 60c. Stronger and better shaped plants can be had from seed and you are sure of getting a stock at 1/4 cost of cutting.

G. S. Ramsburg, Somersworth, N. H.
Mention the American Florist when writing

Fall Bulbs

LOOK THIS OVER. If these are not the best bulbs you have seen, return them at our expense.

Single Red Hyacinths. Per 100
Gertrude, Baron von Thuyke.....\$6.00

Single White Hyacinths.
Grande Blanche, Mad. van der Hoop,
L'Innocence.....\$6.00

Single Blue Hyacinths.
Queen of the Blues, Marie.....\$6.00

Single Yellow Hyacinths.
Mac Mahon, Yellow Hammer.....\$6.00

Tulips Single. Per 100 1000
La Reine...\$.60 \$ 5.50
White Swan .90 8.50
Cott's-Maid .85 7.00

Tulips Double. Per 100 1000
Rose Blanche\$.90 \$ 8.50
Murillo..... .90 8.00

Graf Leices ter..... 1.50 12.00
Agnes..... 1.35 10.50

Rubra Max ima..... 1.35 10.50
Vuurbaak... 3.00 25.00

Rosekroon... 1.25 10.00
Ma Cousine .75 6.00

Duke of York..... .75 6.00
Gloria Solis. 1.35 11.50

Parma.... .90 8.00
Proserpine. 2.25 19.00

Pres. Lincoln 2.25 19.00
Kaiser Kr'n 1.25 9.00

White Calla, Select Bulbs..... Per 100, \$ 8.00
Freesia Purity, 1/2 inch and up..... Per 1000, 12.00

Giant Pansy Seed, mixed..... Per oz., 1.25
Mignonette Seed, finest strain..... Per oz., 1.25

Boxwood, pyramidal 3 ft..... Each, 1.50
Ampelopsis Veitchii, 4 inch pots..... Each, .15

Cash or Reference.

F. O. FRANZEN, 1476 Summerdale Ave.
CHICAGO

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - Oklahoma

Mention the American Florist when writing

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Cliftondale, Mass., the great sweet pea specialist sows our seed almost exclusively. Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine
Extra Strong 2½-in. pot plants,
\$5.50 per 100, \$50.00 per 1000.
Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

PRIMROSES

	Per 100	Per 1000
Chinensis, Forbesi, Malacoide, Obconica, Alba, Rosea, Kerme- sina.....	\$1 75	\$15 00
Gigantea—All from 2¼ pots.....	2 00	
Asp. Plumosus, 2¼ pots.....	2 00	18 00
" Sprengeri.....	2 00	15 00
" Plumosus Seedling.....	1 00	7 50
" Sprengeri.....	1 00	6 00
Vinca Variegata field plants Cut back.....	5 00	
Fancy Plants, Giant Flowering....		2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

Mention the American Florist when writing

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN: Per doz.

2 foot Elm Bark Canoes.....	@ \$4.00
3 foot.....	6.00
6 in. Birch Bark.....	1.00

Order a few of each size.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100 \$30.00 per 1000
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Order Fall Bulbs Early

It Helps Us and You.

If you have already ordered your bulbs from us, send in your additional Supply, Fertilizer and like orders, and save freight.

NOW ON HAND.

Narcissus Paper Whites
Grandiflora

Fancy (1250 bulbs to Per 1000
case).....\$ 9.00
Star (1000 bulbs to case) 11.50

Freeseas. Per 1000

French Mammoth.....\$10.00
Purity Mammoth.....25.00
Purity, extra size.....20.00
Purity, first size.....17.50

Lilium Harrisii Per 1000

5-7-inch (400 bulbs to case).....\$35.00

Callas. Per 1000

1¼-1½-inch (Calif. grown) ...\$50.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO. NEW YORK.

Grafted White Killarney

3½ and 4-inch pots, choice young
stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office

131 N. Wabash Av.
Chicago, Ill.

Greenhouses

Hinsdale,
Ill.

PRIMULAS.

All 2-in. pots. Malacoide. Chinese, Forbesi.
Obconica Alba, Rosea, Lilac, Rubra, Hybrida.
Compacta, all above, \$2.00 per 100. Carmine, Blue,
Sanguinea, Giant Rosea, Giant Mixed, Kewensis,
\$3.00 per 100. All fine, strong stock

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100.

CARNATIONS, FIELD.

Harlowarden, Enchantress and Rose Pink, \$4.00
per 100.

FERNS.

From bench. Boston, Whitmani, Elegantis-
sima, 4-in., 10c; 5-in., 12c. Scholzei, Amerpohli,
3-in., 8c; 4-in., 12c.

—Cash.—

BYER BROS., Chambersburg, Pa.

Field-Grown Carnations

Limestone land. No stem rot.

250 R. P. Enchantress, 500 Enchantress,
200 Dorothy Gordon, 1000 Victory,
\$6.00 per 100; \$55.00 per 1000.

400 White Enchantress,
\$7.00 per 100; \$45.00 per 1000.

250 at 1000 rate. Cash, please.
W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio

Mention the American Florist when writing

Field-grown Carnation Plants.

3200 Winsor, 3000 White Enchantress, 500 Rose-
pink, 400 Pink, 325 White Perfection, 500 White
Lawson; any of the above \$6.00 per 100; \$50.00
per 1000.

3-in. Roses.

50 White Killarney, 100 Pink Killarney, own root.
\$6.00 per 100.

90 Mrs. Aaron Ward, \$8.00 per 100, to close out.
3-in. Asparagus Plumosus and Sprengeri, \$5.00
per 100.

2-in. Smilax, \$2.00 per 100.

All of the above stock is clean and healthy and
we make the above prices in order to move it
quickly. Address

ADDEMS, MORGAN & CO.
PAXTON, ILL.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

ASTERS.

Simple's Branching, best strain in white,
pink and purple, fine plants from field,
\$2.50 per 1000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2½-in., \$1.50 per 100.
\$14.00 per 1000. Primulas, Obconica and Chinese
strong 2½-in., \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

HENRY H. BARROWS & SON, Whitman, Mass

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; S. W. Severance, 508 Walker Building, Louisville, Ky., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

Outdoor Mulching.

Mulching is a practice not used as much out-doors as it should be. The growers under glass know full well its value; in fact, they could not produce the crops they do without it. Combined with mechanical watering, the mulching of coarse crops with manure produces not only quantity but also quality. Such crops as celery, cauliflower, cabbage, lima beans, egg plants, mangos and tomatoes are greatly benefited by using fresh horse manure between the rows. We add plant food, conserve moisture and improve the mechanical condition of the soil at the same time. Generally after the middle of July our team work breaks down and we immediately start drawing manure for mulching. This is wheeled into the rows by means of wheelbarrows and spread at once. It is used as a scant covering between some crops, to the depth of 4 inches, among celery; while for late seeding of spinach we apply with a manure spreader right after sowing the seed. This is the surest and safest method of wintering spinach, as the plants come up between the mulch and are protected from heaving and freezing. Another point is it relieves the procuring of the year's supply of manure. The work is spread out over a longer period. It is also the most economical in some respects, as money spent this way is not tied up for a year, the returns coming quickly. We have practiced this method for a number of years and like it better each season.

THE MARKETMAN.

FAIRMONT, MINN.—Mrs. D. W. Needham has bought the greenhouse formerly owned by the late Mrs. J. W. Gould. Mrs. Needham has already built up a good flower trade.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Winter Onion Sets



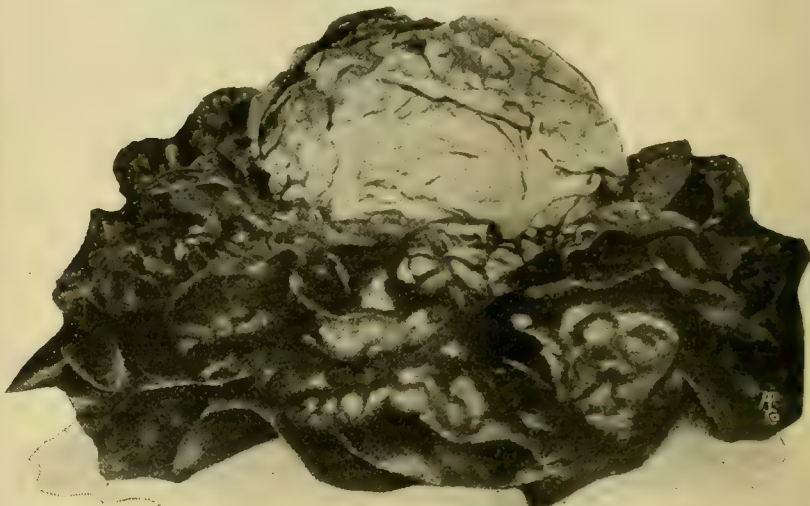
Vaughan Seed Store
CHICAGO

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



The Greatest Success of the Year is

DAVY'S IMPROVED BIG BOSTON LETTUCE

White Seed—Does Not Get Red

It has proved to be the best variety on the market. This sort is very slow to run to seed, and that is the reason the seed is so scarce. All Seed Merchants have tried to deliver such a sort, but no one has the same quality.

IF YOU DO NOT KNOW IT YET, TRY IT AT ONCE.

DAVY, Arpajon, (S & O), France

A. BACHELOT, Traveling Representative in America,
Address Care American Express Co., 65 Broadway, New York.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Glorinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-10 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$3.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Md.

1912 PEONY LIST

The same good list, "rogued" and "trued" until the block is absolutely free from mixture. Prices are for strong divisions of from three to five eyes. We begin shipping Peonies the first week in September.

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Lady Bramwell , silvery pink; late midseason.....	10.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Charlemagne , creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Comte de Diesbach , dark red; early.....	8.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte d'Ormond , white with sulphurish center.....	15.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Delachei , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Crousse , one of the best whites; midseason.....	20.00
Dortens Coros , bright pink.....	6.00	Madame Iebon , bright, cherry pink.....	10.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Madame Rose Rendatler , delicate rose.....	8.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower, stems long and firm; late midseason.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Edulis Superba , soft pink; very early.....	10.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Rousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officinalis Mutabilis Alba , earliest white.....	15.00
Festiva Alba , ivory-white, with occasional crimson spots in center petals; ships well and stands cold storage excellently; late midseason.....	15.00	Officinalis Rubra Pleno , the well known, very early, double crimson.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Palmata , cut-leaved; single scarlet; earliest.....	25.00
Floral Treasu e , rich, soft pink.....	15.00	Papaviflora , guard petals pure white; others yellowish; excellent.....	15.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Phryne , bluish white.....	8.00
Gen. avaignac , lively lilac-pink, shaded clearer pink.....	6.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Gloire de Vouai , purplish scarlet-crimson with black reflex; late.....	8.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Grandiflora Carnea Plena , very early; clear flesh-pink, shaded lilac; keeps well; ships well; desirable for cutting or landscape work.....	6.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Richardson's Grandiflora , flesh-pink, with lighter shades in center; fragrant; one of the largest peonies known; latest pink in bloom.....	40.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

PANDANUS UTILIS

	Per 100
3½ in. pots.....	At \$12.00
Dracaena Indivisa —5-in. pot grown-ready for repotting. Excellent value.....	At \$25.00
Cyperus Alternifolius —3½ in. pots. Very bushy and compact.....	At 8.00
Deutzia Gracilis —Specially grown for Easter forcing. Very bushy.....	At 15.00
Campanula Medium —2½ in. pots. Fine for growing on for Easter.....	At 3.00
Cash with Order	
A. L. MILLER, Jamaica Ave., Opp. Schenck Ave. BROOKLYN, N. Y.	

First Aid to Buyers Fall List of Best Roses

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs. 350 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
Elegantissima compacta, 8-in. pots, \$1.00 each.
Harrisii, an improved **Bostoniensis**. Extra fine plants, 8-in. pots, \$1.00 each.
Bostoniensis, 8-in. pots, \$1.00 each.
Glatrasii, 8-in. pots, \$1.00 each; 3½ in. pots, 15 cents each.
Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3½-in. pots, 15c. each.
Magnifica, 3½ in. pots, 25c each; 6-in., 75c. ea.
Asparagus Plumosus Nanus, 2½ in. pots, \$4.00 per 100.
Small Ferns for Fern Pans, 2½ in. pots, assorted, \$3.50 per hundred.

Phoenix Roebelenii.

The finest and most graceful of all palms; and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Lilium Candidum.

Extra sized bulbs, \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs.. 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾ in. and up.. \$12.00 per 1000
Extra sized bulbs, ½ to ¾ in.... 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

ACCORDING to a report of the International Apple Shippers' Association Idaho's apple crop this year will be 127 per cent larger than last.

THE report of the thirty-second annual convention of the American Association of Nurserymen, held at Boston, Mass., June 12-14, has just come from the press. A copy may be had of John Hall, secretary, 204 Granite Building, Rochester, N. Y.

Quarantine Law Hearings.

The Secretary of Agriculture, Washington, D. C., has issued a public document on the enforcement of the federal plant quarantine law. In compliance with the law, before quarantine proclamations are issued, public hearings will be given to persons interested who may appear in person or by attorney, or submit their views in writing. Announcement is hereby made that these hearings will be held as follows:

On the white pine blister rust, September 16, 1912.

On the Mediterranean fruit fly, September 18, 1912.

On the potato wart disease, September 20, 1912.

All hearings will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock a. m., on the dates above specified. Photographs illustrating the three dangers above mentioned can be obtained upon application to the Chief of the Division of Publications, Department of Agriculture, Washington, D. C. The full text of the document will be found elsewhere in this issue, page 420.

Cork.

As most people know, cork is the outer bark of an oak. This tree, known to the botanists as *Quercus suber*, is an evergreen, native to the Mediterranean region, and is cultivated in France, Spain, Portugal, Italy, Morocco, Tunis and Algiers. If carefully done, removing the bark does not injure the tree, and a new supply may be obtained from the same specimen after a few years. We are so familiar with the use of cork for the stoppers of bottles that we seldom realize its manifold other uses, though its connection with bottles dates back only about five hundred years. We so commonly speak of the stopper of a bottle as a cork that we see no incongruity in the expression "a rubber cork." Just as our word for stopper has been derived from the word cork, so cork itself has probably been derived from the Spanish *corcho*, which in turn is derived from the Latin *cortex* meaning rind. Some authors, however, would derive cork from *Quercus*, the generic name of all oaks. Cork is present in the bark of all trees, though in quantities too small to make it useful in the many ways in which cork from the cork oak is employed. The cork-barked elm, the sweet gum and a few others have strongly developed cork. —The American Botanist.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories
Sidney, Ohio

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. WE are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

HOLLAND TREES AND SHRUBS

We grow a general assortment of

ROSES, LILACS, RHODODENDRONS, PEONIES, CLEMATIS, MAGNOLIAS, ETC. : : : : :

Prices reasonable. Wholesale Catalog free for the asking.

W. van KLEEF & SONS, - Boskoop, Holland.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code: 5th Edition

LITCHFIELD, ILL. — The Cottage Greenhouses are rebuilding two houses and preparing for an increased business this fall.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

LARGE TREES

**OAKS and MAPLES
Pines and Hemlocks**

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ives are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.



FESTIVA MAXIMA (The best known white Peony).

VAUGHAN'S PEONIES

[Plant now; stock of our own growing, strictly true to name, strong divisions of 3 to 4 eyes each.

	Each	Doz.	100
Charlemagne. Very large shell pink.....	\$0 25	\$2 40	\$18 00
Couronne d'Or. Very large snow white.....	35	3 60	25 00
Duchess de Nemours (Calot). Cup shaped, sulphur white.....	20	2 00	15 00
Duchess de Nemours (Guerin). Bright pink.....	20	2 00	15 00
Festiva Maxima. Immense white, spotted red.....	20	2 00	15 00
Felix Crousse. Large double red.....	35	3 60	
Kohinoor. Splendid shell pink.....	20	1 80	12 00
La Tulipe. Delicate rose tipped carmine.....	20	2 00	15 00
Mathilde Mechin. Ball-shaped French pink.....	30	3 00	20 00
M. Dupont. Ivory white, carmine border.....	35	3 60	
M. du Ribert. Rosy magenta.....	20	1 80	
Mme. de Galhau. Soft flesh pink.....	20	2 00	15 00
Modeste Guerin. Large bright carmine.....	20	2 00	
Octavie Demay (True). Light shell pink.....	60	6 00	
Pulcherrima. Beautiful flesh pink.....	15	1 50	10 00

CASE LOTS.

Double Pink, Red, and White, equally divided, and separated.
200 roots, 3 to 5 eyes, for \$18.00; TWO for \$35.00.

Cases cannot be divided.

ASK FOR OUR COMPLETE LIST.

CHICAGO **Vaughan's Seed Store,** NEW YORK

Greenhouses, Trial Grounds and Nursery at Western Springs, Ill.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J



Cyclamen Giganteum

GIANT FLOWERING.

Old Specialty of our Business.

Crop 1912.

	100 seeds	1000
No. 4002. Fiery Red, very fiery.....	\$0 32	\$3 00
No. 4003. Dark Red, best market variety.....	40	4 75
No. 4004. Rose Brilliant, magnificent rose.....	32	3 00
No. 4005. Mont Blanc, improved pure white.....	36	3 40
No. 4006. Lilac Color, magnificent, popular colors.....	36	3 40
No. 4007. White with Eye, white, mostly red dotted.....	32	3 00
No. 4008. Snowflake, pure white.....	40	4 75
No. 4009. Magnificent Mixture, all colors.....	32	3 00
No. 6014. Fringed German Giant.....	50	4 50
No. 6016. Rococo, monstrous new strain, mixed.....	36	3 40
No. 6045. Beauty of Dresden, new salmon red.....	1 25	9 50

Cash with order. With order for 10,000 seeds, 10 per cent rebate.

WEIGELT & CO., Seed Specialty Growers
ERFURT, GERMANY

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

SEASONABLE STOCK

Primula Sinensis, in colors, strong plants, \$3.00 per 100; \$25.00 per 1000.
Primula Obconica Gigantea (Arendsii) Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Primula Malecoides (New Baby) \$3.00 per 100, \$25.00 per 1000.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Araucaria Excelsa—Fine Stock.

3 to 4 tiers, 12 to 14 inches high, 60c. 3 tiers, 10 to 12 inches high, 45c.

Selaginella Emilliana, 2½-inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6 550 2½-in. Maryland, own root.....	\$35.00 per 1000	400 2½-in. Bulgarie, own root.....	\$40.00 per 1000
1 700 3½-in. Maryland, own root.....	50.00 per 1000	750 3½-in. Bulgarie, grafted.....	\$8.00 per 100

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
10,000 Perfection.....	\$6.00	\$50.00	5,000 Lawson.....	\$6.00	\$50.00
10,000 White Enchantress.....	6.00	50.00	1,000 Delight.....	6.00	50.00
6,000 Rose Pink Enchantress.....	6.00	50.00	800 Bright Spot.....	6.00	50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Index to Advertisers.

Addams Morgan & Co. 446	Florists Tel. Delv. 438	Mangel. 437	Routzahn Seed Co. 443	Western Seed & Irrigation Co. 444	Wood Bros. 446
Advance Co The. 463	Foley Mfg Co. 438	Martin Grate Co. 439	Rusch G & Co. 432	Wietor Bros. 426	Wolfskill Bros & Morris Goldenson 439
Alpha Floral Co. 437	Ford M C. 435	Masur S. 437	Saakes O C. 439	Wilks S Mfg Co. 461	Wrede H. 443
American Spawm Co. 448	Fottler, Fiske, Rawson Co. II	Matthews Florist. 439	Sabrasky Jno F. 446	Williams Mrs E A. 440	Yokohama Nurs Co. II
American Wooden Ware Mfg Co. III	Franzen F O. 444	May & Co L L. 437	Saltford Flower Shop 440	Wilson R G. 437	Young A L & Co. 435
Amling E C Co. 431	Freeman Mrs J B. 440	Meconi Paul. 435	Schiller, the Florist. 440	Winandy R G. 462	Young & Nugent. 437
Anderson S A. 437	Freeman & Sons. 464	Mette Henry. 448	Schillo Adam. 459	Wittbold G Co. 437	Zech & Mann. 431
Andorra Nurseries. 450	Friedel E. 436	Meyer John C & Co. 436	Schilling Max. 440		
Angermueller G H. 432	Froment H E. 435	Michigan Cut Flo Exchange. 436	Schmidt J C. 446		
Aphine Mfg Co. 460	Frost Chas. 444	Millang Chas. 435	Schultz Jacob. 448		
Aschmann Godfrey. 430	Galvin Thos F. 439	Miller A L. 449	Scott John. 447		
Atlanta Floral Co. 440	Garland G M. 461	Moninger J C Co. 464	Seattle Cut Flo Ex. 432		
Bader Jno & Co. 447	Gasser J M Co. 439	Moore, Hentz & Nash. 435	Shaffer Geo C. 439		
Badgley Reidel & Meyer, Inc. 435	Giblin & Co. 462	Morehead Mfg Co. 462	Sheridan W F. 435		
Barrows H H & Son. 433	Goodsell P H. 434	Mt Gilead Pottery Co. III	Situation & Wants. 421		
Barteldes Seed Co. 433	Good & Reese Co. I	Munk Floral Co. 433	Skidelsky S S & Co. 444		
Bassett & Washburn. 424	Gorham & Chapline. 462	Murray Samuel. 438	Smith A W & Co. 439		
		Myers Florist. 440	Smith E D & Co. 457		
Bayersdorfer H. 446	Grover Cut Flower Co. 439	Nat Flo B of Trade. 452	Smith & Hemmenway Co. 461		
Beaven E A. 436	Gude Bros. 435	N Y Cut Flower Ex. 435	Smith Henry. 439		
Berning H G. 432	Gunther Bros. 435	Niessen Leo Co. 431	Smith P J. 435		
Berterman Bros Co. 438	Habermann Chas. 440	Oechslein Frank. 446	Smith Wm C. 432		
Bide & Sons S. 440	Hatcher, Florist. 440	Oklahoma Seed Gro Co. 444	Smith W & T Co. I		
Bobbink & Atkins. 450	Hart Geo B. 434	Palmer W J & Son. 438	Standard Pump & Engine Co. 456		
Boddington A T. 445	Haven Seed Co The. 443	Park Floral Co. 438	Stearns Lumber Co. 462		
Bodger J & Sons Co. 443	Heacock Jos Co. 441	Peacock Dahlia Fms. 450	Stoothoff H A Co. 460		
Boland J B Co. 437	Heini John & Son. 437	Pedrick Geo & Son. II	Storrs & Harrison. 451		
Bolgiano J & Sons. 443	Henderson A & Co. 446	Pennock-Meehan Co. 435	Sunlight Dble Glass Sash Co. 463		
Bowe M A. 439	Herr Albert M. 441	Penn the Florist. 438	Superior Machine & Boiler Works. 464		
Braslan Seed Grow Co. 442	Herrmann A. 461	Peters & Reed Poty. III	Syracuse Pottery Co. III		
Brecht Co The. IV	Hess & Swoboda. 440	Pierce F O Co. 462	Taylor Steam Trap Co. 456		
Breitmeier's J Sons. 438	Hews A H & Co. III	Pierson A N (Inc.). 446	Texas Seed & Flower Co. 437		
Brown Alfred J Seed Co. 442	Hilfinger Bros. III	Pierson F R Co. I	Thompson Car Co. 441		
Brown Bag Filling Machine Co. 443	Hines E Lumber Co. 461	Pillsbury I L. 452	Thomson Wm & Sons Co. 457		
Bruns H N. II	Hitchings & Co. 463	Pieters & Wheeler Seed Co. 442	Thorburn J M & Co. II		
Buckbee H W. 440	Hoerber Bros. 431	Pinkston Jas E. 439	Totty Chas H. 433		
Budiong J A. 423	Hoffman Flo Artist. 439	Pittsburg Cut Flo Co. 436	Traendly & Schenck. 435		
Burnett Bros. 441	Hoffmeister Flo Co. 433	Podesta & Baldocchi. 439	Trimble W E. 431		
Burpee W A & Co. II	Holm & Olson. 438	Poehlmann Bros Co. 425	Greenhouse Co. 431		
Byer Bros. 446	Holton & Hunkel Co. 432	Pollworth C C Co. 432	United Fertilizer. 457		
Caldwell the Woodsman Co. 436	Home Cor School. 459	Pulverized Manure Co. 452	Valentine Frank. 437		
Camp Conduit Co. 443	Hooker H M Co. 458	Quaker City Machine Works. 452	Vaughan A L & Co. 450		
Carroll M M. III	Hunt E H. 431	Raedlin Basket Co. 422	Vankleef W & Sons. 428		
Chicago Carn Co. I	Hurf Edgar F. 443	Ramsburg. 444	Vaughan's Seed Store. III		
Chicago Flower Growers Assn. 429	Igoe Bros. 452	Randall A L Co. 431			
Chicago House Wrecking Co. 464	Illinois Pipe Mfg Co. 461	Rawlings Elmer. 443	Vestsals. 440		
Clark E B Seed Co. II	International Heater Co. 462	Ready Reference. 458	Vick's Sons Jas. 443		
Clark's Sons David. 439	Interstate Tob Co. 460	Randolph & Mc Clements. 459	Vincent R Jr. I		
Cleveland Cut Flower Co. 439	Isbell S M & Co. II	Reed & Keller. 463	Virgin N J. 440		
Conard & Jones. 449	Jackson & Perkins. 449	Regan Ptg House. 462	Walker F A & Co. 440		
Cooke Geo H. 437	Jacobs S & Sons. 462	Reinberg Geo. 441	Wagner Park Cons. III		
Cotsonas Geo & Co. 436	Johnson J Oliver. 443	Reinberg Peter. 427	Ward & Co R M. II		
Cowee W J. 457	Johnson WW & Son. II	Reuter Chris. 443	Weber F H. 440		
Coy H C Seed Co. 444	Jones Percy. 424	Rice Bros. 432	Weeber & Don. 444		
Craig Robt Co. 451	Kasting W F Co. 433	Robinson J C Seed Co. II	Weigelt & Co. 451		
Critchell C E. 432	Keller Geo & Sons. III	Rock W L Co. 438	Weiland & Risch. 431		
Crump Frank F. 438	Keller JB & Sons. 440	Rohnert Seed Co. II	Welch Bros. 433		
Cunningham Jos H. 446	Kellogg Geo M. 431		Wertheimer Bros. II		
Daniels & Fisher. 439	Kennicott Bros. 430				
Dards Chas. 438	Kentucky Tobacco Product Co. 460				
Davy. 448	Kervan Co The. 435				
Deamud J B Co. 427	Kessler W A. 435				
DesPlaines Flor Co. 441	Kift Robt. 439				
Detroit Flower Pot Mfg. III	King Construction. 458				
Dietsch A & Co. IV	Kohr A F. III				
Diller Caskey & Keen. 459	Kramer I N & Son. 463				
Dillon J L. 449	Kroeschell Bros Co. 457				
Dingee & Conard Co. 446	Kruchten John. 430				
Dorner F & Sons. 441	Kuebler Wm. 435				
Dreer H A. III	Kuehn C A. 433				
Duerr Chas A. 440	Kuhl Geo A. 446				
Dunlop John H. 439	Kyle & Foerster. 431				
Dwelle - Kaiser Co The. 459	LaCrosse Floral Co. 440				
Eagle Machine Wks. 461	Lager & Hurrell. I				
Edwards Folding Box. 452	Lange A. 437				
Elliott W H. 433	Landreth Seed Co. 443				
Emmans Geo M. 446	Lecakes N L & Co. 435				
Erie Floral Co. I	Lederer John. 462				
Erne & Klingel. 430	Leedle Floral Co. 449				
Esperance L Nurs. 450	Leonard Seed Co. 443				
Eyres H G. 439	Lochner & Co. 443				
Fish Henry Seed Co. 443	Lord & Burnham Co. 458				
Florists' Hail Assn. 457	McCallum Co. 433				
	McConnell Alex. 437				
	McCoy L W. 440				
	McCullough's J M Sons Co. 432				
	McHutchinson & Co. 443				
	McKellar Chas W. 429				
	McKenna P & Son. 439				

No loss if you mend your split carnations with
Superior Carnation STAPLES
50c per 1000 postpaid.
Wm. Schlatter & Son,
422 Main St., Springfield, Mass.
Mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO.
MANUFACTURERS
PHILADELPHIA, PA.
Mention the American Florist when writing

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
Quaker City Machine Works, Richmond, Ind.
Mention the American Florist when writing

Model Extension Carnation Support
Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market.
Pat. July 27, '97, May 17, '98
CALVANIZED WIRE ROSE STAKES.
Write for prices before ordering elsewhere.
Prompt shipment guaranteed
IGOE BROS.,
286 North 9th St., BROOKLYN, N. Y.
Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing



Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898.

2000 for \$1.00 postpaid.

I. L. PILLSBURY, Galesburg, Ill.

Mention the American Florist when writing

PULVERIZED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED OR SHREDDED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago

Ready Reference Section.

10 CENTS PER LINE, NET.



ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in., \$2 per 100; \$18.50 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

AMPELOPSIS.

Ampelopsis Veltchil, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00—100. \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For sizes and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. One-year-old A. plumosus, \$2 per 100; \$18 per 1,000. Strong 2-in. Smilax, \$2 per 100; \$18 per 1,000. George Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger, seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$2.50 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprenger, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus nanus seedlings from flats, \$1 per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ASTERS.

Asters, from \$1 to \$3 per 100. Geo. B. Hart, Rochester, N. Y.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, Semple's Branching, \$2.50 per 1,000; 5,000 for \$10. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas. McHutchison & Co., New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS.

McHenry Ave., Westwood, Cincinnati, O.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

CALLAS, extra fine, vital bulbs, 4-in. circumference, \$60 per 1,000; 5-in., \$80; 6-in., \$100. Delivered by express prepaid. Cash with order. Lilydale Bulb Co., Santa Cruz, Cal.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longiflorums, Multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lillium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

10,000 prime Watsonia bulbs, \$2 per 100; \$16 per 1,000. The lot for \$150 f. o. b. Pasadena. Will S. Laurie, Pasadena, Calif.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs. Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, callas. M. M. Carroll, Norwood (Cintl.), O.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. McHutchison & Co., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
White Enchantress	8.00	75.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection ..	8.00	70.00
Dorothy Gordon	7.00	65.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowarden	6.00	55.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Pink Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

FIELD GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Boston Market, nice.....	\$4.00	\$35.00
White Perfection, medium.....	5.00	45.00
White Enchantress, nice.....	5.50	50.00
Enchantress, nice	5.50	50.00
Rose Pink Enchantress.....	5.50	50.00
Variegated Lawson	4.50	40.00
Mrs. E. A. Nelson.....	4.50	40.00
W. H. Taft.....	4.50	40.00

This stock is ready for immediate shipment. Cash with order, please.

JOS. SCHOOS,

514 Asbury Ave., Evanston, Ill.
Carnations, Des Plaines Floral Co., Des Plaines, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations out of sandy field, short bushy plants in best condition.

Pink Enchantress.....	Per 1,000
White Perfection, Winsor.....	\$45.00
Victory, medium size plants.....	40.00
100 at 1,000 rate.	

Plants grown in sandy field; have strong roots; ship better and stand replanting without check. Write for prices on large lots. Samples on request. Cash or reference. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

FIELD-GROWN CARNATION PLANTS.

Conquest, beautiful flesh pink, overlaid with cerise, very free bloomer.....	Per 100	Per 1,000
May Day, deep flesh pink.....	\$7.00	\$60.00
X-mas Cheer.....	6.00	50.00
	6.00	50.00

CHICAGO CARNATION CO.,

30 E. Randolph St., Chicago, Ill.

CARNATIONS, 10,000 fine, healthy field-grown plants of the following varieties, now ready for immediate or later shipment: Winsor, Pink Lawson, and Taft, \$50 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREEN-HOUSES, Denver, Colo. "Colorado" grown plants beat them all.

CARNATIONS.

White Enchantress.....	Per 100	Per 1,000
Enchantress.....	\$6.50	\$60.00
W. C. Ward.....	6.00	55.00
Pink Delight.....	6.00	55.00
	8.00	75.00

F. F. SCHEEL,

SHERMERTVILLE, ILL.

FIELD-GROWN CARNATION PLANTS.

Beacon.....	Per 100	Per 1,000
White Enchantress.....	\$6.00	\$55.00
Rose Pink Enchantress.....	6.00	55.00
Enchantress.....	6.00	50.00

JOHN BLECHSCHMID,

4300 E. 122nd St., Cleveland, O.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 3,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, strong, field-grown, White Enchantress, 7c; White Perfection, 7c; Enchantress, 8c; Victory, 7c; Mrs. Patten, 6c. Smaller plants: Victory, 5c; Enchantress, 5c; White Enchantress, 5c. John A. Salzer Seed Co., La Crosse, Wis.

Carnations, field-grown, Washington, \$5 per 100; \$45 per 1,000. Pink Enchantress, \$5 per 100; \$45 per 1,000. Victory, \$5 per 100; \$45 per 1,000. Winsor, \$5 per 100; \$40 per 1,000. J. A. Budlong, 82 Randolph St., Chicago.

Very choice field-grown carnations. Enchantress, White Perfection, Georgia, white, \$4.50 per 100; \$40 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Field-grown Carnations NOW READY. W. Perfection, Scarlet Glow, Beacon, Victory, Mrs. C. W. Ward, \$7 per 100; \$60 per 1,000. Pink Delight, \$8 per 100; \$70 per 1,000. Harry Heintz, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. McArthur & Bros., Easton, Pa.

For Sale—1,000 carnation plants, Rose Pink Enchantress, 1,000 carnation plants, White Perfection. Very choice plants, \$6 per 100; \$50 per 1,000. J. F. Ammann Co., Edwardsville, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. Jno. F. Sabransky, Kenton, Ohio.

Carnations, P. Delight, C. W. Ward, W. Wonder, \$8 per 100. W. Perfection, Pink Enchantress, \$6 per 100. Erie Floral Co., Erie, Pa.

Field-grown carnation plants, 555 Sangamo, 50 Lady Bountiful, \$5 per 100. Good healthy plants. Cash please. Edgar Easterday, Nokomis, Ill.

Carnations, F. Dörner & Sons Co., La Fayette, Ind.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$6 per 100; \$50 per 1,000. Otto J. Hembreker, Lincoln, Ill.

Carnations, Enchantress, Alma Ward and Dorothy Gordon, fine plants, \$6 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

1500 Thos. W. Lawson, 1500 Windsor, 1st size plants, \$4 per 100. J. S. Wilson Floral Co., Des Moines, Iowa.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Act. Frost, C. Touset, White Cloud, Kalb Queen, Mlle. Des Jonis, Florence Pullman, Yellow: Halliday, Col. Appleton. Pink: Jeanne Rosette. MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums, bush-shaped plants, 6, 7, 8 and 10-in. Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. E. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUSES.

Coleus, Golden Bedder, Verschaffeltii; Queen Victoria, etc., 2-in., \$2 per 100; 3-in., \$3. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyperus alternifolius, 3½-in., \$8 per 100. A. L. Miller, Brooklyn, N. Y.

DAHLIAS.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DEUTZIAS.

Deutzia gracilis, \$15 per 100. A. L. Miller, Brooklyn, N. Y.

DRACAENAS.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 5-in., \$25 per 100. A. L. Miller, Brooklyn, N. Y.

FERNS.

NEPHROLEPIS HARRISII.

Strong 2½-inch \$ 8.00 per 100
4-inch 20.00 per 100
6-inch 50.00 per 100

Surplus stock. Good value.

J. A. PETERSON & SONS,

Westwood Cincinnati, Ohio.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in. pots, 15c each or \$12.50 per 100; 5-in. pots, 25c each or \$22.50 per 100. Edw. Doege Co., 4344 N. Springfield Ave., Chicago, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000. 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

GERANIUMS.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Nutt, Buchner, Viald, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poltervine, Nutt, Ricard, Doyle, Viald, La Favorite, Rose, Ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, unrooted top cuttings, S. H. Nutt, 75c per 100; \$6.50 per 1,000. Otto J. Hembreker, Lincoln, Ill.

Geraniums, R. C. Nutt and Ricard, \$10 per 1,000. Poltervine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Long-gap, N. C.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beaven, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

German iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy phlox, 8 best colors, field-grown, \$3 per 100; \$27.50 per 1,000. The Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, Berlin and Hamburg grades. McHutchinson & Co., New York.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley pips in cold storage. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOSS.

Fresh stock of floral moss for designing and decorating. Guaranteed to be A1. If not as represented, purchaser can return at our expense. Also fibrous peat, good quality, one 10-bbl. bale, \$4; two 10-bbl. bales, \$7. Price list mailed on packing moss in quantity. W. H. Stackhouse, Waretown, N. J.

MUSHROOM SPAWN.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

NURSERY STOCK.

Nursery stock, trees and shrubs, roses, lilacs, rhododendrons, peonies, clematis, magnolias, etc. W. Van Kleef & Sons, Booskoop, Holland.

Arbor-Vitae, excellent stock, 24 inches and over; Rosedale, Blota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks, English manetti, Japan lilies, radia. McHutchison & Co., New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178 Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock Co., Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. McHutchison & Co., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

IT'S THE PANSIES.—More orders booked in July for MASTODON PLANTS and SEED than any entire year in the past nineteen years exclusive cultivation of pansies. Free color plate catalog. Plants ready Sept. 5th, 100, 50c; 1,000, \$3; 5,000, \$12.50. All prepaid. Perfect order delivery guaranteed in U. S. and Canada. Seed, 1/12 oz., \$1; 1/4 oz., \$2.50; 1/2 oz., \$4.75; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicateissima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Barcoie, Mo.

Peonies, good divisions of special colors and mixed, 5c each. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover page. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS**POINSETTIAS OUR SPECIALTY.**

Headquarters of the West.

Per 100 Per 1,000

2 1/2-in., strong plants.....\$5.00 \$40.00

2 1/2-in., extra strong plants..... 8.00 50.00

We Practice Particular Packing.

ROBER & RADKE, Illinois.

POINSETTIAS, rooted top cuttings, true type, 2 1/2-in. pots, for July, August and September delivery at \$6 per 100 or \$50 per 1,000. All guaranteed extra fine. Cash or satisfactory references. ELITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias, 2 1/2-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2 1/2-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2 1/2 and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2 1/2-in., now ready, \$5 per 100. Cash, please. Harry Heintz, West Toledo, O.

Poinsettias, 2 1/2-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese, Forbesi, Malacoides, Obconica alba, rosea, Kermesina, \$1.75 per 100; \$15 per 1,000. Gigantea, 2 1/2-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primula Sinensis, \$3 per 100; \$25 per 1,000. Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Malecoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primula obconica, 2 1/2-in., \$2 per 100; \$20 for \$5. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.**CHOICE ROSE PLANTS.**

Per 100 Per 1,000

American Beauty, 2 1/2-in.....\$4.50 \$40.00

Jardine, 2 1/2-in. 3.00 25.00

Ready Now. Order Early.

WILETOR BROS., Chicago.

162 N. Wabash Ave., Chicago.

Rose Erna Teschendorf, 2 1/2 in., 20c each; \$2 per doz.; \$15 per 100; 3 1/2 in., 30c each; \$3 per doz.; \$20 per 100; 4 in., 35c each; \$3.50 per doz.; \$25 per 100; 2-yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, grafted White Killarney, 3 1/2 and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers. Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2 1/2-in., Maryland, Pink and White Killarney, Carnot, \$4 per 100; \$35 per 1,000. Erie Floral Co., Erie, Pa.

To close out a fine lot of Perles and Richmond, strong 3-in., \$8 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2 1/2-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

Pkts. Pkts.

Begonia Bedding Queen, finest Pink, \$2.50 \$0.50

Gracilis luminosa, finest red, 2.50 .50

Triumph, finest white, 2.50 .50

O. V. Zangen, Hoboken, N. J.

Seeds, winter flowering sweet peas. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax, 2 1/2-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, strong divisions, or whole clumps. Ready for prompt shipment. If interested write. The Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

California, Gov. Herrick and Dorset, field-grown plants, \$4.50 per 100. Cash with order. W. F. Duntzman, Bensenville, Ill.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, sash lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress, hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2842 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn. Ave., near Highland, East End, Pittsburgh, Pa.

Martin Anti-Friction Grates. Write for particulars. Martin Grate Co., Fisher Bldg., Chicago.

Sunlight Double Glass Sash. Sunlight Double Glass Sash Co., 934 E. Broadway, Louisville, Ky.

Toledo tubs, all sizes. The American Wood-ware Mfg. Co., Toledo, O.

Florists' Supplies. Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

Red Devil glass cutter. Smith & Hemenway Co., 151 Chambers St., New York.

Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

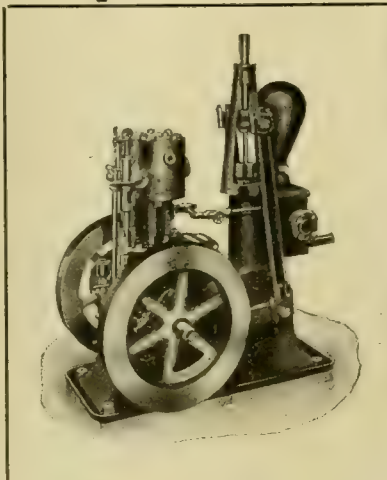
Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$8c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

FACTS ABOUT "DIRECT PRESSURE" WATER SUPPLY SYSTEMS



If you are through experimenting with inferior and unreliable contrivances for handling the water supply question and your needs now demand that the problem be solved, then Standard Systems demand your attention.

The very nature of the water supply problem demands reliability as first consideration in purchasing a pumping engine. Manufacturers, who have spent less time than we in studying this problem, are naturally unable to cope with it, as our many years experience has taught us to do. We are pioneers in this line and when you install a

Standard Pumping Unit

you are through experimenting. We have done that for you.

In that new Catalog No. 12, we recently had published, all types of "Standard" gas, gasoline and electric pumps are described and illustrated in a most complete way. Interesting facts and figures together with unusual illustrations make this book valuable to you. You will find twelve half page illustrations which explain greenhouse systems.

There is not another catalog in the greenhouse field that touches so clearly on the subject. A copy should be in your hands.

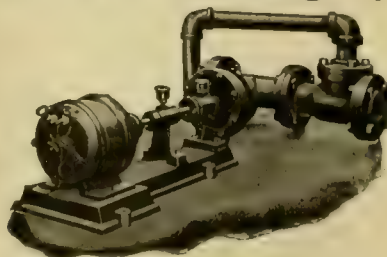
WRITE FOR IT TODAY

ASK FOR No. 12 : :

The Standard Pump and Engine Co.

18 Michigan St., CLEVELAND, OHIO

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

WAX DESIGNS.

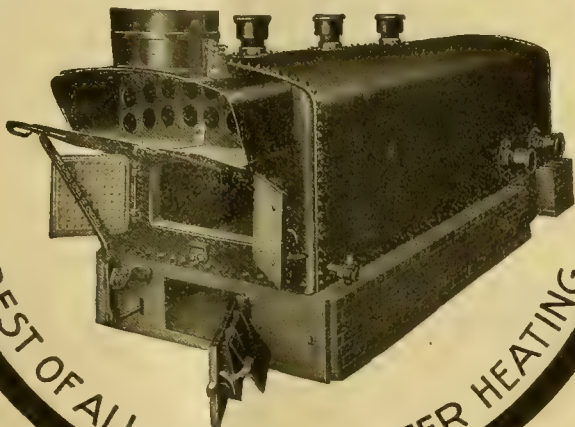
Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), or
KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits.)

THE
KROESCHELL
 GREEN HOUSE
 BOILER



BEST OF ALL FOR HOT WATER HEATING

KROESCHELL BROS. CO., 452 W. Erie Street,
 CHICAGO, ILL.

WHAT THE USERS SAY

—ABOUT—

KROESCHELL BOILERS

**Cast Iron Boiler Cracked in
 Two Years.**

We have a No. 4 Kroeschell Boiler. It takes care of 7000 sq. ft. of glass; it would take care of twice that amount.

I first had a new cast iron boiler which lasted two years, when it cracked to pieces. The second was a second-hand boiler.

I consider your boiler the best paying investment I ever made.

You can refer anyone to us.

MARYSVILLE FLORAL CO., Marysville, Ohio.

**Cast Iron Cannot Be Compared
 with Kroeschell.**

We bought a No. 2 Boiler in 1904. It takes care of 5000 sq. ft. of glass, and we could add 2000 more. We are very well satisfied. **We used a cast iron boiler before we had yours. It cannot be compared with the Kroeschell Boiler.** Your boiler has certainly a great capacity for heating water.

HALL & ROBINSON, Montreal, Canada.

Kroeschell Better than Cast Iron.

I bought a No. 6 boiler in 1903. It has now 10,000 sq. ft. of glass, and we could add 3300 more. **This is ahead of five or six cast iron boilers which I have used. I saved \$50 per season on the coal bill.**

M. C. WARD, Quincy, Mass.

I bought a No. 4 boiler in 1902. Has 7000 sq. ft. of glass; could add 200 more. It is perfectly satisfactory. Would keep only Kroeschell Boiler. **Would not have a cast iron boiler for a gift.**

GEO. ENGEL, Xenia, Ohio.

Mr. Engel has increased his Plant and ordered another No. 4 Kroeschell.

FERTILENE

Especially prepared for the production of lusty **CHRYSANTHEMUM BLOOMS.**

THE ADVANTAGES of Fertylene over other manure, are: It is clean, has no offensive odor, is soluble and thus easily prepared; is immediate and permanent in its effect, so highly concentrated that it is the cheapest, saves time and labor and gives accurate results. 1-oz. is sufficient for ten gallons. Ten pounds, \$3.00; twenty-five pounds, \$6.00; fifty pounds, \$10.00. Sample packets of one-half pound mailed for 30c. Sample packets of one-pound mailed for 50c.

ELMER D. SMITH & CO., ADRIAN, MICH

Lock the door before the horse is stolen,
 and insure your glass before it is broken.

For particulars concerning
 Hail Insurance, address

JOHN G. ESLER, Secretary,
 SADDLE RIVER, N. J.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

United Fertilizer Company
 Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
 An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
 Clovenstone, Scotland.





The New
1912 Edition
With Its Complete
112 Pages
Is Now Ready.

YOU ought to have it whether you intend buying anything of us or not. You will find it a complete guide to greenhouse materials—a sort of ready reference book that you can rely on. Everything from glazing nails to iron frame houses are shown. As for heating fittings—there are three hundred different ones illustrated and three times as many more listed.

CAUTION.

If your edition marked 1912 hasn't 112 pages, it isn't complete. Send for the 112 pages.

Lord & Burnham Co.

SALES OFFICES:

New York Philadelphia
St. James Bldg. Franklin Bank Bldg
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irrington, N. Y. Des Plaines, Ill.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

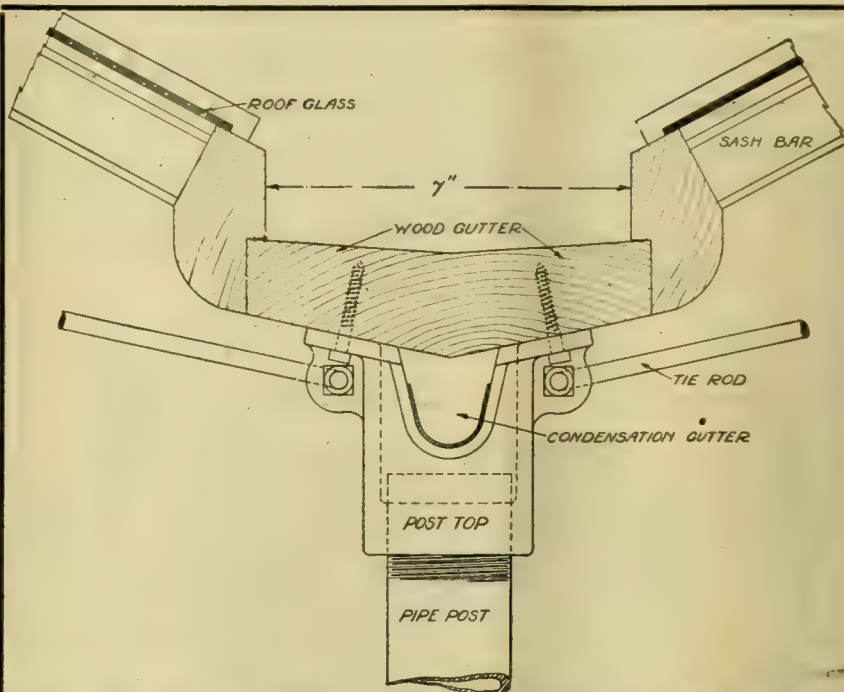
This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chiswell Nurseries, LOWDHAM, Notts, England



KING GUTTER

MADE OF
WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters, **"AND THEN SOME."**

Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind. We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
N. TONAWANDA,
N. Y.

Boston Office
Winthrop Bldg., 7 Water St.,
Boston, Mass.

Eastern Sales Office
1181 Broadway,
New York

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

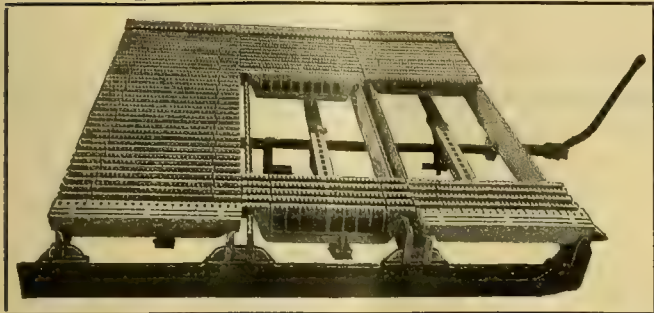
H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, **Chicago**
Near Des Plaines St.,

It's Not What We Say the Martin Grate Can do But What Its Users Say It Has Done



Fuel Economy
Durability
No Warping
No Friction

For Ten Years Martin Anti-Friction Grates Have Predominated

Best Grate Bars Ever Used.

"We have your grates under twenty-two of our boilers. They are the best grate bars we have ever used." American Steel and Wire Co., Joliet, Ill.

Save 10 Per Cent in Fuel Consumption.

"Your grates have been eminently satisfactory; they are saving us fully 10 per cent in fuel consumption." Sterling, Dixon & Eastern Electric R. R. Co., Dixon, Ill.

Economical, Efficient, Durable.

"We consider Martin Grates economical, highly efficient and very durable."

Thomas B. Jeffery & Co., Kenosha, Wis.

Big Results with Cheap Coal.

"Have used Martin Grates over six years; still in perfect condition. We use coal costing us less than \$1.00 per ton."

Atlas Brewing Co., Chicago.

Get Full Particulars Before Cold Weather. WRITE TODAY.

MARTIN GRATE CO., Fisher Bldg., **CHICAGO, ILL.**

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., **BUFFALO, N. Y.**

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Wead Sts.,
CHICAGO.

L.D. Phones: Lincoln 416 and 411

Use our patent
Iron Bench
Fittings and
Roof Supports

**THE JENNINGS APPROVED
IRON GUTTER.**

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING
APPARATUS**

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch Street, **PHILADELPHIA, PA.**
Send for our new catalogue.



SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

Furnishes the Most Nicotine for the Money!

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by
Aphine Manufacturing Co.
Madison, N. J.

M. C. Ebel, General Manager.

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

Mention the American Florist when writing

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



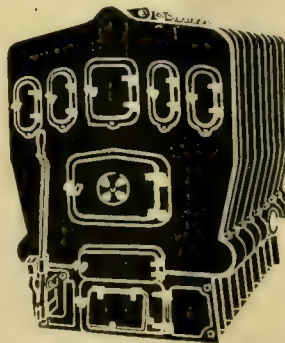
"Three Times- (Do You Get That Three?)

Three Times Back and Forth The Burnham's Fire Travels."

Three times, mind you, back and forth, on both sides of the boiler. Burnham is the boiler you want, because you want quick returns from your coal--

and you want every possible pound of that coal to exert itself heating your coils--not your chimney.

Back and forth between the sides of water lined flues that absorb the heat like sponges do water, giving to the circulation water a life and snap that is one of the economical advantages of quickly heated water. The



Burnham's will heat 620 to 11,620 linear feet of 2-inch pipe.

Wire, Phone or
Write.

Orders shipped
same day received

Lord & Burnham Company,

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

Mention the American Florist when writing

The Early Advertisement Gets There

THE OPPORTUNITY OF YOUR LIFE

Prior to taking inventory we have decided to make special inducements to the trade. If you are in need of gutters and other greenhouse fittings you should not miss this opportunity. Starting Tuesday Sept. 9th and ending Tuesday Oct. 8th, we offer the following at special discounts from the regular price:

Our Famous No. 2 and No. 4 Semi-Malleable Gutters	- - - -	at 15 per cent off.
The Garland Handy Trucks	- - - -	at 25 per cent off.
The best Pipe Carriers and Shelf Brackets on the market	- - - -	at 25 per cent off.
Pipe Frame Bench Fittings	- - - -	at 25 per cent off.
Split Tees, Crosses and other castings	- - - -	at 25 per cent off.
Blocking Clamps and U Bolts	- - - -	at 25 per cent off.
Our Concrete Posts and Bench Moulds	- - - -	at 25 per cent off.
Angle Iron Purlin	- - - -	at 10 per cent off.

YOU WILL NEED SOME OF THE ABOVE. WHY NOT WRITE US AT ONCE?

If the price of steel keeps rising as it has for the last few weeks we will be obliged to raise the price of our iron frame houses. Your order for iron frame houses placed within the above dates will be taken at our present prices.

It is said that "Opportunity" knocks at our door, but once. Are you going to take advantage of it?

Write us to-day. Do not delay.

GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

EAGLE MACHINE WORKS RICHMOND, IND.



Exclusive manufacturers of the
"RICHMOND"
CARNATION SUPPORT

Under Patent issued April 4th, 1911.

Write for prices; also on Rose and 'Mum Stakes.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Pecky Cypress

Cedar Posts, Drossiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.
Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave., CHICAGO, ILL.

ARE YOU USING THIS "RED DEVIL" GLASS CUTTER?



Red Devil Glass Cutter No. 024.

WE have given away free to all the alert florists who applied one of these "Red Devil" Glass Cutters. A good many thousand florists are now using it to cut their green house glass. If you are not using Genuine "Red Devil" Glass Cutters, you are not using the best, the kind all glaziers use. Ask any hardware dealer for "Red Devil" Glass Cutters. They all sell them. Send us 3 2c stamps and one sample only will be sent you post paid.

SMITH & HEMENWAY CO., 150 Chambers St., New York City, N. Y.

Makers of "Red Devil" Glass Cutters and 300 Other "Red Devil" Tools.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of
place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform tempera-
ture, write us. We guarantee to drain your lines perfectly—return the
pure, hot condensation to your boiler without pump or injector or make
no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried—

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

M. WINANDY CO., Mfgs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St., **CHICAGO**
Telephone Ravenswood 607.

Mention the American Florist when writing

GREENHOUSES!
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE J. T. STEARNS LUMBER CO.,
NEWTON, BOSTON, MASS.

Describe a
First-Class
Greenhouse
Boiler.
Fuel capacity
for the longest
winter.
Simple enough
to be fool proof
and conservatively
rated. That is the
**INTERNATIONAL
Empress Boiler**
to a dot.
If you haven't
one already,
write us now.

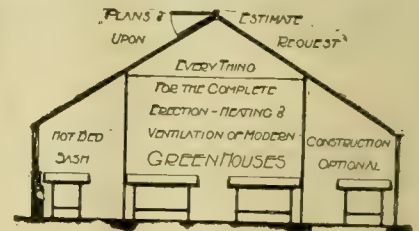
INTERNATIONAL HEATER CO., UTICA, N. Y.

**Dreer's Peerless
Glazing Points**
For Greenhouses
Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.
1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No 2**

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing Ave.,
Brooklyn, New York

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes,
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY—

WRITE FOR FIGURES.

527 Plymouth Place, CHICAGO

This Iron Frame Vegetable House

is fully described and illustrated in our new catalog. It tells a very interesting bit of comparative productiveness of two different types of houses as proven by the owner of this house.

Send for it. It will help you decide the construction question once for all.



Hitchings & Co., Elizabeth,
New Jersey.



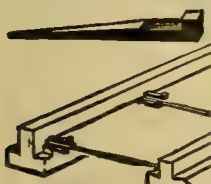
Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO.,

Richmond, Ind.



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

VAUGHAN'S SEED STORE,
Chicago New York.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

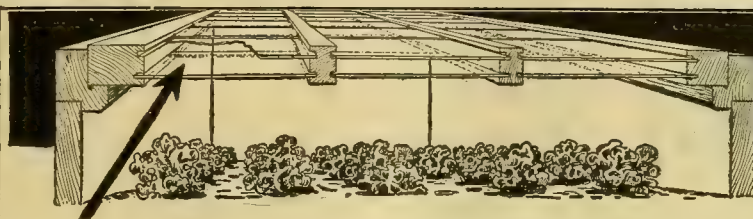
I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.

We Manufacture all Our **Metal Designs, Baskets, Wire Work, and Novelties**, and are dealers in **Glass-ware, Pottery, Decorative Greens** and all **Florists' Requisites.**

Mention the American Florist when writing



Two layers of glass instead of one

You never cover Sunlight Double Glass Sash

You do away with heavy, expensive mats and boards, and your plants get all the light all the time.

The dry air between the two layers of glass takes the place of mats and boards

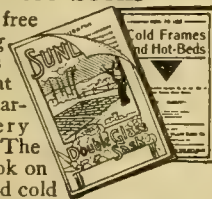
It is $\frac{5}{8}$ inch thick and is a better non-conductor. The glass is held in place without putty—can't slip out—easily replaced.

Crops on the market weeks ahead

Under Sunlight Double Glass Sash your plants are earlier and sturdier and you can have bigger, better crops on the market weeks ahead while the prices are still high. In many cases the extra profit on one crop has paid for the sash themselves.

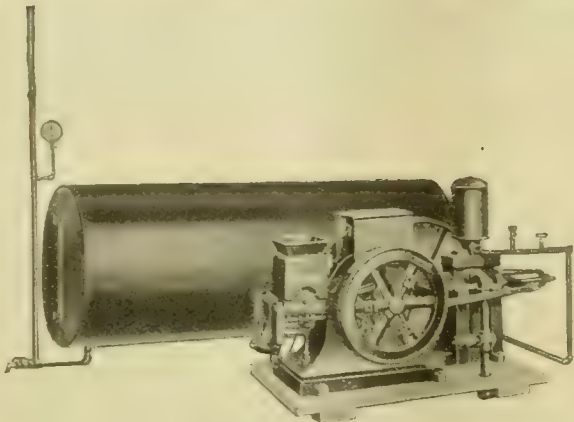
Send for these books

One is our free catalog, giving all the details of our freight prepaid and guarantee delivery propositions. The other is a book on hot-beds and cold frames by Professor Massey. It is authoritative and full of vital interest to all growers, gardeners and florists. 4c in stamps will bring Professor Massey's book in addition to the free catalog.



Sunlight Double Glass Sash Co.
for Hot-beds and Cold-frames, 934 E. Broadway, Louisville, Ky.

The Early Advertisement Gets There

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more, than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,

14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price\$4.90
4C12005, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior
qualities of the

Mastin Spraying Machines

We will sell for a short time
F. O. B. Chicago, Ill., **Cash**
to accompany the order,
one 3-Gallon Mastin Steel
Spraying Machine Complete
for \$4.97, and give you one
Mastin Whitewash Nozzle
and one Extension Rod.
Free. Regular price \$7.90 for outfit.
Write name and address plainly. **Cash**
must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

**J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :**

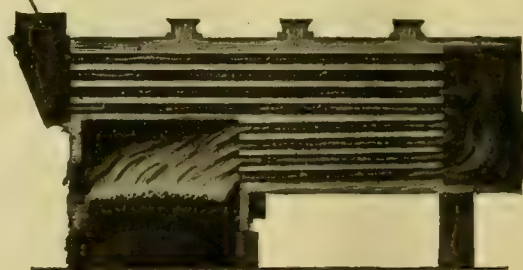
CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

**PIPE CARRIERS**

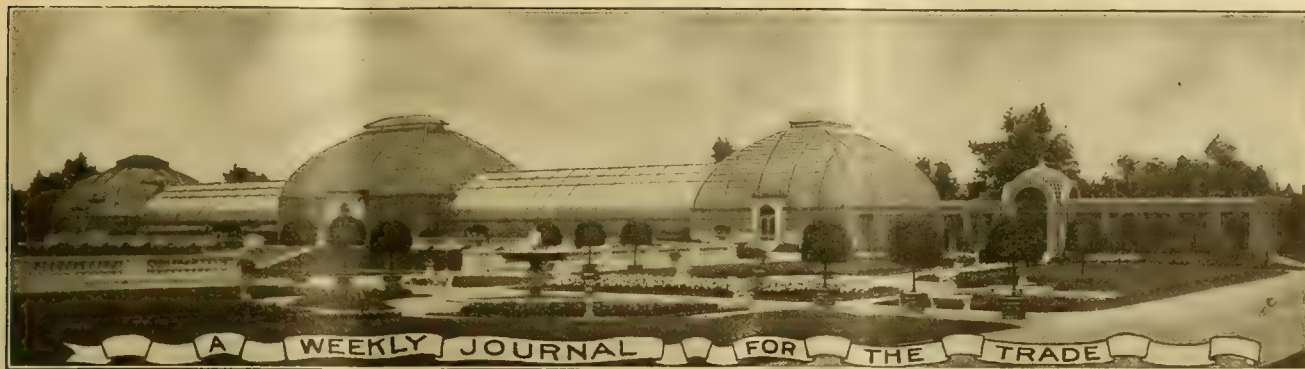
We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND,
INDIANA

THE AMERICAN FLORIST



America is "the Prow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, SEPTEMBER 14, 1912.

No. 1267

THE AMERICAN FLORIST

TWENTY-SIXTH YEAR.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence, subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST FÖEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Peonies.

Now is the best time to move or divide peony roots. Plants that have been in one location for a number of years will grow too thick and will not produce either so many or so good flowers as younger plants, although the peony does not produce the best quality flowers the year after transplanting. The ground in which peonies are to be planted should be well enriched and deeply spaded in preparing it for the young plants. In digging the plants, dig all around them and then carefully insert the spade underneath and lift the plant, taking pains that the large roots are not broken. For these pieces of root if left in the soil sometimes start new growths and if other varieties are later planted in the ground, cause a mixture. The roots can be cut up into quite small pieces, but it is better to leave three strong eyes to each piece and not divide into too small plants. Set the plant good and deep and firm and if the ground is dry, give it a good watering.

Decorative Plants.

The return of the customers from their country and seaside summer homes will create an immediate demand for palms, ferns and other decorative stock and the retailer or grower who has not already prepared himself should do so at once. Plants can be purchased at this time and shipped safely and in order to save expense they should be purchased at once before colder weather sets in, for they can be transported by freight now and after freezing weather it will be necessary that they be forwarded by express and the difference in the charges of these two methods is considerable, adding materially to the cost of the plant shipped by express. A fine assortment of palms is a necessity at this season and should be obtained at once in the saleable sizes as befits the trade. Kentias and arecas from two to four feet high can be bought and are the sizes more in demand than either smaller or larger sizes. Phoenix Roebellenii is a very decorative palm and in the smaller sizes finds a good sale, but the larger sizes are

still quite expensive and can be handled only by the high-class trade. Ferns of the nephrolepis family and dracaenas will be in demand, in fact a full line of good decorative stock is a necessity at this time in any up-to-date establishment having a retail trade. The stock on hand should now be in active growth and should not receive any check. It is well to be prepared to give these plants a little fire heat as soon as the nights become so cool that the temperature in the houses drops much below 60 degrees.

Tulips and Narcissi.

The tulip and narcissus bulbs should be placed in the pans and boxes as soon as possible after their receipt. It does them no good to leave them lying around, and it is far better to get them in the soil as early as possible. Much of the trouble in blooming these bulbs is laid to the tardy treatment of the growers by the bulb merchants of Holland, and in case of failure they are quick to use this as an argument as the cause. If the bulbs are planted early they will at once start to make roots and the forcing of them is then a comparatively easy matter. Have the flats all ready, as has been written of Paper White narcissus of convenient size. Any old rose or carnation soil is good enough, but if it binds too closely, mix in a generous quantity of sand. Set the bulbs close together and pack the soil firmly around them. Have a place prepared outside and set the flats on strips of boards and water thoroughly. It is not advisable to depend upon a rain, but unless the fall is exceedingly dry they will not need further watering. Cover the pots and boxes with about three inches of soil, over which throw some old straw or litter to prevent too rapid evaporation. Here they can remain until freezing weather sets in, when if there is a dark, cold cellar, those that are to be forced during the winter can be moved into these quarters, while those that are to be bloomed in the spring can be more heavily covered and be easily handled after the warmer days of spring arrive. If there is no suitable cellar they can be wintered outside, but it

Index to Advertisers,
Page 508

Ready Reference Advt.,
Page 509

Help and Situations Wanted,
Advertisements,
Page 477

would be better to build a frame around them and cover with shutters for it is a very disagreeable job shoveling off the snow and frozen covering during the cold winter days. Where they are to remain outside it is better to plan about how many are to be brought in each week, and place them together so that it will not be necessary to open up too many places, but have the different varieties that are to be taken out successively placed after each other and together, and much of the hard, cold work can be dispensed with.

Geraniums.

All the cuttings that can be taken should be secured now, for a frost that will cut everything down may soon be expected in the northern part of the country at least. In making the cutting all the large leaves should be removed, leaving only the smaller leaves and the top. The most economical way to propagate these fall cuttings is to insert the cuttings in 2½-inch pots filled with sifted soil, into which a liberal amount of sand has been mixed. After the cuttings have been placed in the pot they should be given a good watering and placed on shelves preferably near the glass, and shaded with papers for a couple of weeks. The papers will prevent too rapid evaporation and consequently continual watering, which will cause the stem to rot if the cuttings are kept too wet. It is much better not to wet the cuttings, after the first watering, until they show signs of wilting. A sprinkling of the foliage in the morning will carry the plants along for some time before watering the pots will be required. If cuttings enough cannot be secured the plants should be lifted and potted that a good supply of cuttings may be secured early in the winter.

Sweet Peas for Christmas.

ED. AMERICAN FLORIST:

I have a greenhouse 30x100 feet and grow carnation plants. I wish to plant a bench of sweet peas. When should I plant to get a good crop for Christmas and what varieties are the most saleable? A. S. H.

You should plant at once. Christmas Pink is the most saleable.

G. W. FRENCH.

There is little time to be lost in order to get in a good crop of sweet peas for Christmas, as they should be sown by September 15 at the latest, and would be better a little earlier. The most saleable colors are pink, white and lavender, and earliest of all, Christmas White, and Mrs. Wallace are among the most satisfactory varieties in those colors. W. H. T.

In reply I would say that sweet peas should be sown now to have the crop in full flower for Christmas. The best sellers for Christmas are: Christmas Pink, Boddington, Pink Watchung, Zvolanek, Earliest of All, Burpee, all of which are synonymous; and Earliest White Burpee, Watchung, Zvolanek, Snowbird, Boddington, which also are all synonymous.

W. SIM.

LINCOLN, NEB.—Suit for dissolution of partnership and an accounting has been brought by William Adair against John Swan. The plaintiff and defendant began business together in Havelock a year ago under the firm name of the Havelock Nurseries.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Chicago Stores That Advertise.

Much is said these days about the quick handling of flowers at low prices and many opinions are expressed as to the best way to conduct the business along these lines. The plans followed by the most successful men engaged in this new method of merchandizing cut flowers are about as follows: First, get or arrange for a large stock at the lowest quantity price. Then let the people know, through the columns of the daily press by conspicuous advertisements of the great price reductions. Be sure that the bargains are genuine. Location has much to do with the selling, the store having to be in a central shopping district, as people will not go far out of the line of travel to get something they don't actually need even if it is cheap.

The Fleischman Floral Co., Chicago, is probably one of the most successful of those which have taken up this manner of handling cut flowers in large quantities at low prices and in getting the general public in to see them by extensive advertising. Eight to ten per cent of the amount of their business is not considered too much to be spent in this way. August is not the time of year to see a cut flower store in good running order as a rule. A visit to this establishment during the convention week, however, would

have convinced anyone of its thorough going business-like method and great possibilities for taking care of a large trade. The store proper is not large, about 22 feet in width and 35 to 40 feet in length. There are two back windows in one of which is a rockery well trimmed with plants and in the other plant baskets filled with colodiums and trimmed with pink ribbon. There are no counters and two large ice boxes, one on each side, carry the stock. One contains roses; the other orchids, violets and valley. Around a large column in the center of the store is a shelf on which are cards, envelopes and writing material. Across the rear of the store is the office, the cashier's desk and the telephones.

The entire store from floor to ceiling is mirrored in so that there appears no limit to its size. Handsome electric fixtures are placed at every available point and the effect produced combined with the reflection of the many mirrors is brilliant in the extreme. The basement is the workshop of the establishment, for nothing is made up in the store proper. It is very commodious, being three times the size of the store. Here is a large storage box or refrigerator. All three of the cases are cooled by the ammonia system—no ice being used. In speaking of their methods, George Weinhoeber said that they did not aim or care to do a dollar box business. They would rather handle the roses selling individually at the time for \$3.00 per dozen, for \$1.50. American Beauties that brought \$6.00 for



EMBLEM BY GUDE BROS., WASHINGTON, D. C.

Anheuser-Busch Co.'s Floral Design, Which Gained Honorable Mention



FLOWERS ARRANGED BY A. LANGHANS FOR FUNERAL OF C. C. SCHMIDT, MAYOR OF WHEELING, W. VA.

\$3.00, and so on. They buy cattleyas by the thousand and sell them at from 35 to 50 cents each when the regular price is 75 cents to \$1.00. They can handle all that is sent to them at their price. They carry American Beauties by the thousand or more a day. Their business has gained tremendously the past two years and they expect a greater ratio of increase the coming season.

A. Lange on Madison street, another extensive advertiser, has for a long time made a specialty of \$1.00 boxes and while he says there is little or no profit in them, yet, extensively advertised, they have been business bringers. A number are always made up ready for instant delivery or used as samples to take orders. During the season girls are busy all day long putting up these dollar boxes which for the most part are made up of short roses, two, three or four dozen roses being used according to the season. The store, convention week, was crowded with vases of cut flowers placed around and in the ice box. The window was also full of a variety of the best of the season. There was no question as to its being a flower store, and even at this season a large force was busy as bees waiting on the customers that thronged the place. Most of the stores in the shopping district appear to carry quite large stocks. No flowers are allowed to be sold on the streets and the street men have rented basements, doorways and other available spaces and many of them appeared to handle considerable stock—judging from the amount they carried.

While the Fleishman Co. and Mr. Lange find the advertised bargains a factor that draws the attention of the people to their stores, the actual sales in these departments are but a feature of their general business, which includes large funeral and wedding orders together with the Christmas and Easter rushes which are conducted in both these establishments on a large scale. The H. R. Hughes store is also extensively advertised, but in a different manner. Mr. Hughes is situated on Van Buren street in a residence district. In his

efforts to reach the public, he gets out very unique folders generally pertaining to the various floral and other holidays of the year. The printed matter is original and interesting enough to be read through and laid aside for reference. Cuts of his elaborate window decorations which have been described in THE AMERICAN FLORIST are used to illustrate the folders. K.

Gude Auto Wins Prize.

That Gude Bros. of Washington, D. C., are not only enterprising flower merchants but are thoroughly alive to all the possibilities of the trade and capable of turning their sense of the artistic to good account is proved by the result of the motor vehicle parade held by the Washington Post, September 2, in which this firm won the first prize of \$150 cash. There were a large number of entries and most of them of considerable merit, but the large crowd seemed unanimous in the opinion that the judges had selected the right machine for first honors. Gudes used a Lippard-Stewart light delivery car shrouded in white cheese cloth and studded with American Beauty roses. The display was the largest of its kind ever shown in the East, which is all the more honor for the winners. This was not the only honor won by this firm, however, as it also made the floral emblem for the Anheuser-Busch Co. which gained honorable mention.

Langhans Arranges Funeral Flowers.

The flowers for the funeral of Mayor C. C. Schmidt of Wheeling, W. Va., were arranged by Arthur Langhans, one of the best known florists of that city. The photograph published in this issue shows the bier of the dead official as he lay in state at the Elks' Auditorium. Mayor Schmidt was Grand Trustee of the Grand Lodge B. P. O. E. Floral work came from and was photographed for from all over the United States. This was the largest funeral ever held in Wheeling and 12 automobiles were required to convey the flowers to the cemetery. Some very expensive work excellently done is shown in the photograph.

The Pink Dinner Table.

Encircle the table with garlands of pink roses, clustering pink carnations in the center and at the ends of the table, using the rose foliage lavishly. At each guest's plate place a candlestick of pink china with a shade made of pink full-blown roses laid on flat, using their foliage only for a finish. Little rosebuds should be arranged at the top and bottom in symmetrical rows to give it a quaint effect. These candlesticks should be placed so as to form a circle towards the center of the table. Electric lights are best, but pink candles can be used if electricity is not available. Connect these candlesticks with bowknots of pink satin sash ribbon so as to make the pink effect as striking as possible. A scroll of pink ribbon on which the menu is printed in silver can be placed to advantage from each candlestick in front of the guest plate. The guest cards should also be a large pink rose leaf card. A small corsage of pink roses made in pyramid style will be excellent to place in each serviette. Carnations can be used here if desired. The wine glasses should be of pink Venetian glass. In the center of the table arrange a low, graceful, loose-effect flat basket of maidenhair ferns.

And then—to still further carry out a pink effect—a carpet can be made of pink roses, leaving just enough room for the plates and cutlery. In the center—under the rose carpet—a huge block of ice can be placed in a pan and surrounded with clusters of electric lights. This, if artistically arranged is most effective where a number of tables are to be used and where the main table is to have an individuality. To add to its oddity a rich cut glass bowl filled with huge hothouse grapes can be arranged on either end of the table. A. E. K.

KANSAS CITY, MO.—In order to interest girls in the study of agriculture the Missouri Women's Farmers' Club has offered a \$25 cash scholarship prize in the short course of agriculture for the best essay on "Why Women Should Study Agriculture."

THE CARNATION.

Carnations Dying.

ED. AMERICAN FLORIST:—

Some of my carnations are dying. They seem to rot off at the ground. I do not know if it is an insect that eats them or not, but they are webbed up as if the work was done by a spider. What would you advise me to do?

Alabama.

S. E. B.

According to the description it appears that the plants are developing stem rot. I would advise keeping the cultivator going to open up the surface of the soil. Then, as soon as possible, transfer the plants to the houses.

C. W. JOHNSON.

Seasonable Notes.

It is now late for planting in from the field and any of this work still to be done should be finished up without delay. It will be necessary to keep the house closer for a longer period to get up active root action again directly after planting than is the case with the earlier planted stock when the plants are smaller and do not take as long to recover. Good judgment should be exercised to guard against getting the soil too wet at the start with this fresh planted stock, weather conditions now being such that the atmosphere does not dry up as quickly as was the case a few weeks ago when early planting was being done. It will be necessary to do any watering or spraying before noon to insure the plants drying out well before night. To allow the plants and the inside of the house to be wet or damp over two or three nights will quickly start up stem rot. The fact that these plants were outside making a rapid growth through the extra moist conditions and heavy dews makes them much more susceptible to stem rot and we have found that after the first watering in (which should not be a drenching), they will start off better if held a little to the dry side. Also be sure and clean out any weeds as soon as they appear in the new soil because they stop the circulation of air through the soil.

The order of business with the early planted or established plants is to make everything ready for starting them off on their season's work. They will begin to come into bloom very shortly now. See that they are properly supported before they do so. It is less trouble to put on the supports now than it will be after the stems begin to lengthen out. Topping back the shoots should be discontinued unless it is the object to throw the crop of a certain variety later for a special purpose or in cases where the plants are still very small, but it must be borne in mind that it will take longer for the shoots to come up again as the days pass by. Also the thick heavy foliage varieties are longer in cropping up again than are those with finer grass. During the months of September and October the well established plants will make a rapid growth and every means should be put forth to enable this growth to be as sturdy and productive as possible. The plants do not require to be thoroughly soaked at all times to bring this about, but should be allowed to dry out to a reasonable extent between waterings. Another very important feature is plenty of fresh air.

After the middle of September we may expect the nights to become cooler but this does not mean that the ventilators should be closed up tight as soon as the thermometer begins to drop. Keep up the ventilation and natural conditions as long as it is possible to do so, provided the inside temperature does not go low enough to cause dampness, but there is scarcely any danger of that for a few weeks yet.

C. W. JOHNSON.

Growing Carnations in Old Soil.

ED. AMERICAN FLORIST:

Have you anything in your files in reference to the growing of carnations whereby one can use the same soil these plants were in the previous year by simply inserting bone and other fertilizer into this soil and giving it a thorough mixing, placing it in the same benches and putting the new plants in this for the following year? Do you consider this practical?

J. W. E.

In our issue of May 20, 1911, W. Greivelding has the following on this subject: "The plants are grown in beds with sides 12 inches high and in order to supply drainage, under some of the beds a ditch was dug which was filled with stone, but as the under-soil seems to drain the water well enough no difference was noted between these and the beds which were not so prepared. After the carnation plants are thrown out about July 1 the beds are cleared of all rubbish and then spaded over and left rough,

little sulphate of potash in rotation, beginning in February and given the mulch every two weeks, and sometimes in spring all the different fertilizers are incorporated in one mulch. That the plants do not take up all the fertilizers given is shown by the growth in the older beds, some of which have soil that has not been renewed for five years, for the plants in these beds are doing better than in the others which were started two years later. The first year the bed sometimes shows a green scum that comes upon the surface and a little of this will also appear the second year, but after that the beds are always clean and entirely clear of it. There are about 5,000 plants in the houses and have made a fine growth and are producing good flowers. The following varieties are grown: Mayday, Mrs. C. W. Ward, Dorothy Gordon, Alma Ward, White Perfection, Enchantress, White Enchantress, Rose Pink Enchantress, Victory, O. P. Bassett and J. Whitcomb Riley and all are doing well except the last two. Chrysanthemums are also grown in the soil that has not been renewed for five years."

Heleniums.

The various members of the genus helenium form an important and showy group of hardy herbaceous perennials, without which no garden is complete. They are plants of free growth, succeeding in ordinary garden soil that is thoroughly prepared by



GUDE BROS.' PRIZE-WINNING AUTOMOBILE.

The Car that Took First Honors at the Washington Parade.

just as the spading leaves it, for 10 days to dry out, when it is again spaded and allowed to stand another 10 days. It is then smoothed over and well watered, and as soon as it can be worked, an inch and a half or two inches of manure is spread and again spaded that the manure may be well mixed in, after which it is ready for planting. Mr. Greivelding uses no liquid manure but the plants are mulched with lime, hardwood ashes, sheep manure, bone, dried blood and a

digging and manuring previous to planting, and beyond the routine work necessary to keep the plants clean and staked, little further attention is necessary; triennial lifting and division of the crowns is advisable in order to secure the maximum development, according to a writer in *London Gardeners' Magazine*, as increase is generally of a lavish character, and after the period named the size of the flowers begins to deteriorate on established plants.



ROYAL INTERNATIONAL EXHIBITION AT LONDON, ENG.

Collection of Fruit Exhibited by Laxton Bros., Bedford, Eng.

Heleniums are most effective when planted in clumps of three or more of a kind, and as the mass of color when in flower is great, they should not be lumped together when staking, but spread out lightly, supported by twiggy sticks, or tied out singly on light bamboo canes.

The earliest to flower is *H. Hoopesi*, a dwarf species, with golden-yellow flowers; this is followed by *H. Bolanderi* and *H. Bigelowi*, both yellow-flowered species, the first-named having a brown center; these vary in height from one to two feet. None of them rivals *H. pumilium magnificum* in floriferousness; this subject attains a height of two feet, and begins to flower in June, continuing for about three months; the flowers are of a large size, soft rich yellow in color, and with crimped petals; it is altogether a first-rate and reliable plant for garden decoration, and grows to a height of three feet.

H. Riverton Gem shares all the good qualities of the last-named, but differs in color of the flowers, which are golden-yellow flushed by a clear shade of terra-cotta. *Helenium autumnale* and its varieties are conspicuous subjects in the autumn garden. *H. cupreum* commences to bloom in July, and continues until late in autumn; in height it rarely exceeds two feet, forming dense bushes, and bearing flowers of a lively copper-yellow color. *H. grandicephalum striatum* is a taller-growing edition of the last-named, and flowers later, generally beginning in August; it attains a height of five feet, and has

yellow flowers heavily striped with dark red. *H. superbum* produces self flowers of a beautiful yellow, and grows from five to six feet tall, being in season from July till September.

All the species and varieties of helenium are valuable for house decoration, being of great service where quantities of cut flowers are required, and particularly for large vases.

To the Grower of Sweet Peas.

For the last two years we have been working on the diseases of the sweet pea and their control. We are about to publish a preliminary bulletin and we are anxious to incorporate in our work the experience and observations of all the leading practical horticulturists and gardeners. In our investigations we have dealt with the following troubles: Damping off, similar to the damping off of lettuce and other plants; anthracnose, producing a wilt disease of the tips as well as a leaf and pod disease; "streak," a dreaded disease in England and it is now rapidly spreading in this country. This disease is characterized by a dark streak all along the center of the stem; mosaic disease, similar to the mosaic of tobacco and tomato; root diseases due to fungi and eel worms. Due credit will be given you in our report, to any contribution which you will be so kind as to give us. The Department of Plant Pathology will highly appreciate and consider it a great favor if you will kindly fill out the lists of questions which we

here include. An early reply will be duly appreciated as it will save the losing of unnecessary time.

J. J. TAUBENHAUS,

Ass't Plant Pathologist, Delaware Agricultural Experiment Station.

1. Is the sweet pea grown extensively in your state?

2. What is its economic value?

3. Can you please furnish us the addresses of firms or individuals in your state who grow sweet peas either for seeds or for cut flowers?

4. Can you furnish us the address of florists who grow sweet peas under glass?

5. Do you think the sweet pea well adapted to the climate of your state?

6. If not adapted, does it thrive in certain particular localities only?

7. Have you noticed any particular soil in your state to which the sweet pea is especially adapted?

8. What kind of soil do you consider ideal for sweet peas?

9. What types of soil do you consider unfit for sweet peas?

10. Do you consider excessive feeding a hindrance to sweet pea growing, that is, do plants fail to set flowers or produce a bud drop when overfed?

11. Do you prefer manure or fertilizers for sweet peas?

12. What do you consider is a well balanced fertilizer for an average sweet pea soil?

13. Do you prefer fall or spring sowing?

14. Is the soaking of seeds before germination necessary?

15. What kind of support do you consider best for sweet peas?

16. What kind of cultural practice is best suited for the sweet pea?

17. According to your observations, what factors do you think are most instrumental in favoring diseases of the sweet pea?

18. Have you noticed any mildew (*Oidium* sp.)?

19. Do you irrigate your sweet peas, and if so, how much does it help the plants to resist disease?

20. Do you grow sweet peas on the same place year after year and if so do you find the disease to be more prevalent than they otherwise would?

21. Do you change your soil every year?

22. Have you noticed any damping off of the seedlings?

23. Have you noticed any tip wilt (*anthracnose*)?

24. Have you noticed any mosaic or mottled leaf disease?

25. Have you noticed any streak disease, a black streak running all through the length of the main stem of the plant?

26. What disease do you consider most detrimental to the sweet pea in your state?

27. Have you noticed any insect pest troubling the sweet pea, if so, please name them?

28. Do you advise spraying for the sweet pea? If so, what do you spray and what material do you use?

29. What do you spray with to control green lice and mildew?

30. Please give us the names of the spray material which you use and the name of the firm where you buy it.

31. Do you think that the time of the day of picking the blossoms is correlated with its keeping qualities?

32. Do you know any special method of keeping the blossoms longest after they have been picked?

33. Do you advise the application of nitrates during growth; if so, what influence has it on the flowering?

34. What particular treatment do you advise in order to encourage the plants to bloom until late in the fall?

35. What cultural treatment would you prescribe for sweet peas under glass?

36. What daily and nightly range (maximum and minimum) of temperature would you advise for sweet peas under glass?

37. What soil do you consider best for sweet peas under glass?

38. Do you sterilize your soil in the greenhouse or do you change your soil every year?

39. Please add any special remarks or observations that you would like to make.

40. Name and address.

41. Official position.

CHRYSANTHEMUMS

Insects.

We have recently had several inquiries for the best means of eradicating the leaf tyer (*Phlycaenia ferrugalis*) which seems to be on the increase. From the accompanying illustration it will be seen there are three stages or forms of life during its existence. The first is the larva or worm which is light green and feeds usually upon the underside of the



The Chrysanthemum Leaf Tyer Natural Size.

leaves, leaving the epidermis or skin-like upper surface. Its habit of drawing two leaves together or rolling the edge under by means of a fine silky web is the means by which it acquired its name. As the worm attains full size (about $\frac{1}{2}$ inch long) it seeks a secluded place where it changes to the second stage, or chrysalis form, and is about three-eighths inch long, with a brown covering. In

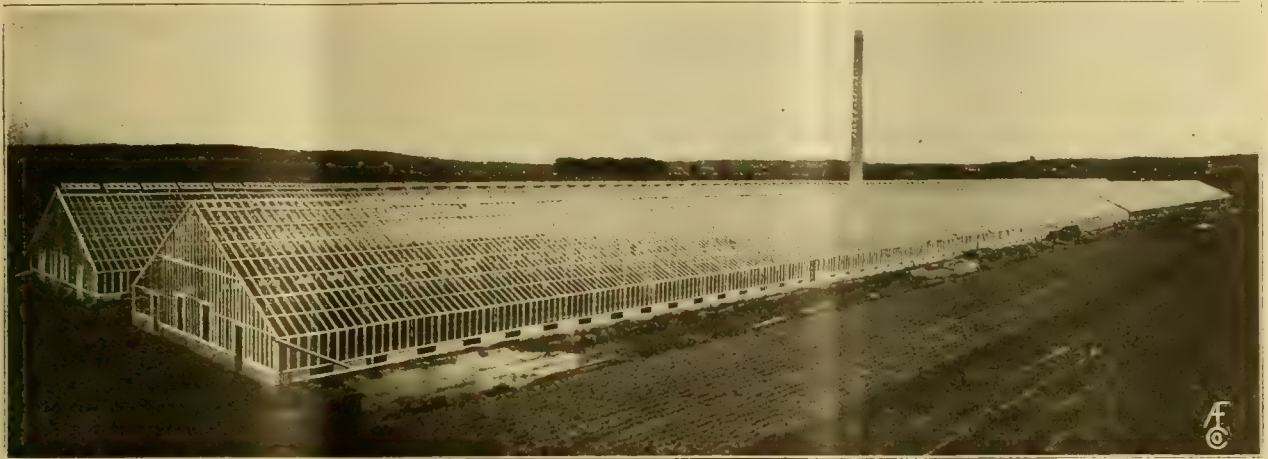
a few days this chrysalis breaks its covering and in this transformation is provided with wings, then being in the third or mature moth state. With these wings it is enabled to go to other plants or houses and deposit eggs which soon become larva. Such remedies as Paris green and arsenate of lead would be effective if it were possible to apply to the underside of the leaves, but we find such applications are not sufficiently vigorous in their action to keep the pests in check. Tobacco and cyanide fumes have no effect.

During the propagating season (January to July) we turn our attention to the moth, using a piece of screen wire 8x10 inches attached to a stick for a handle (the same as a fly swatter) and follow the hose every day, striking them as they rise. At planting time the plants are cleaned of all worms before placing on the benches. Throughout the growing season the stock is gone over every few days and all disfigured foliage is carefully examined for this larva. They are exceedingly persistent in maintaining a foothold when once established and no one should allow them to go unchecked, thinking they will disappear when the houses are cleaned up. This is not the case as we have seen the larva so numerous as to entirely devour the foliage of stock plants. This method entails a great deal of labor, but it is the only way we have been able to keep our stock clean.

To those who are troubled with red spider and thrip we would suggest the use of Hammond's thrip juice, No. 2, applied with an auto sprayer. The directions say 1 part to 20-40 parts of water and we find 1 to 40 is effective and obviates danger of burning. We prefer applying toward night or on cloudy days as a precaution against injuring the foliage. This is the best thrip remedy we know of and also keeps the stock free of aphids. For black or green aphids we prefer sodium cyanide to tobacco fumigation as it is easier applied, more effective and lasting. For houses 30x100, containing about 24,000 cubic feet of air space, we use four dishes, each con-



KENTUCKY SOCIETY OF FLORISTS.
Members and Families at Annual Outing, July 23, 1912.



WILCOX'S NEW RANGE AT COUNCIL BLUFFS, IA.

taining 6 ounces of water and 2 ounces of sulphuric acid, into which we drop 1 ounce of sodium cyanide.

Those who have not used the deadly poison should exercise the greatest care both in handling it and after it comes in contact with the acid. The gas is as transparent and colorless as the air, but when inhaled is death to all animal life. Never undertake to investigate its action or re-enter the house for three hours after its installation. Also see that the houses are locked to protect persons who are unfamiliar with the dangerous conditions. Caterpillars and cut worms should be hand picked. The former are usually found on the underside of the leaves and the latter in the ground, usually near the plant upon which they are feeding.

ELMER D. SMITH.

Chrysanthemum Pests.

ED. AMERICAN FLORIST:

Will you kindly inform me how to destroy thrips on chrysanthemums and cinerarias? All the leaves on my chrysanthemums are turning yellow and fall down. I see lots of small insects under the leaves. Do you think that the trouble is because the plants are too close? The bench is four feet wide and I have planted six plants. I am afraid I will lose them all. Do you think so? V. C. Quebec.

We have had no experience in destroying thrips on cinerarias, but can see no reason why an effective remedy for these plants in chrysanthemums should not be equally forceful upon other plants. The best remedy we know of is Hammond's thrip juice No. 2. We specify No. 2, as they manufacture two kinds and our experience has been confined to this particular formula. It should be applied with an auto spraying outfit and be thorough in the operation. Applying to both upper and under surfaces of the leaves 1 part of thrip juice to 20-40 parts of water are the directions given, and as we have found 1 to 40 very satisfactory, conclude a stronger solution is unnecessary unless in aggravated cases or on hard wooded plants. When applied on bright hot days we notice some tendency toward burning the foliage under glass and so we prefer administering late in the afternoon or on cloudy days. V. C. can also keep his chrysanthemums and cinerarias free from aphids and red spiders by frequent applications.

A large proportion of this formula is soap, which gives the foliage a clean glossy texture. Thrip juice can be obtained from Hammond's Paint and Slug Shot Works, Fishkill, New York.

ELMER D. SMITH.

Wilcox's New Range.

J. F. Wilcox & Sons of Council Bluffs, Ia., have recently completed two enormous greenhouses rivaling in size the greatest in the country. Each house is 60x1,000 feet and modern in every respect. The work was done by the King Construction Co., North Tonawanda, N. Y. The house shown on the right in the accompanying illustration was blown down by a hurricane July 31 but the work of erecting it again went on so expeditiously that it was practically completed ten working days later, or August 13, when the photograph was taken. Curiously enough, the other house, though but twenty-five feet away, was undamaged by the storm, which was a severe one. The new range puts the enterprising Wilcox firm among the big growers of the country.

Growing Old Cyclamens.

It has been said that the cyclamen is somewhat difficult to manage after its second year, and that few people find it worth while to keep the corms longer. I beg to differ, as I know from experience that the cyclamen can be grown for almost an indefinite period. I have some corms from twelve years to eighteen years old, and 6 inches in diameter, with splendid foliage and full of flower, writes a correspondent of *Gardening Illustrated*, published in England. The blooms are of good quality, in fact, I think they are just as good as when the first-seedling corms flowered.

As this article is intended to interest those who already possess cyclamen corms two or three years old, and have not yet succeeded in managing them well afterwards, I propose to confine my remarks to these. My plants at this date (March 12) are a mass of bloom with good foliage. The treatment is very simple, causes far less trouble than looking after seedlings, and gives, I find, better results. The plants require a lot of watering at this stage, having so much top growth to support. My largest plants are quite 2 feet through. The house should be provided with blinds, to be drawn down in the middle of the day, as strong sunshine causes the blooms

to flag, even if the plants do not require water, and this gives them an untidy appearance. Keep them as cool as possible by day by shutting the heat off, and only turn enough heat on at night to keep up a temperature of 45° to 50°. Keep the stage nice and moist in the daytime by syringing freely, taking care not to wet the flowers more than can be helped. This is a wonderful help in keeping the plants clean and making them last in bloom a long time. All flowers when wanted for cutting should be removed by a sharp jerk, this bringing them clear away. When going out of bloom remove the plants to a light, airy shelf in a cool greenhouse if room can be spared; if not, a light, sunny frame on a bed of ashes will do, and give enough water to keep from flagging. Do not dry them off, but let them ripen off gradually. When all the foliage has died down, which will be about the end of June or early in July, then take the corms in hand for next year's work. Pull off all old leaves, turn out, and repot into same size pot, or give a slight shift if thought necessary; but take care not to over-pot. The compost should consist of two parts good loam, one part leaf-mould, one peck old cow-manure to a barrowful of soil, and a nice sprinkling of charcoal, sand, and a little crushed oyster shell. Remove all old drainage. Drain the fresh pots well, only rubbing enough soil off the old ball to enable you to work in, say, half an inch of new compost all around. Give one good watering, place in a frame facing west, on a good bed of ashes, and shade from strong sun. Keep plenty of moisture about them by sprinkling as often as necessary, but not to sodden the soil, as this would be fatal. Treated in this way they will soon show signs of breaking afresh, and when they have fairly started more air can be given, but not to cause a draught. I always water with a rose, thoroughly wetting the leaves. When once they get going they make rapid growth, and may be given weak liquid manure when the leaves begin to spread well over the pots. They may be kept in a frame until about the middle of October, when move into a cool greenhouse, and if the stage is an open one it is better to cover it with slates and a coat of ashes or spar. In this way more moisture can be kept about them. Treat as when in the frame, and give liquid manure once a week, varying it. Only use enough fire heat to keep out frost and keep the air in motion. If the foregoing details be carried out good results should follow. This is my treatment in brief, and I have every reason to be satisfied.

Vegetable Growers' Association.**FIFTH ANNUAL CONVENTION.**

President H. F. Hall opened the convention Wednesday morning at Rochester, N. Y., introducing Mayor H. H. Edgerton, who welcomed the growers to the city. In his annual address President Hall mentioned certain needs of the association. One of the most conspicuous of these is a bureau of information on crop and market conditions. The president recommended the appointment of a committee to consider the advisability of establishing such a bureau for the benefit of the members only. The afternoon session was devoted to addresses and discussions on crop combinations and rotation. Addresses were made by H. F. Thompson of Attleboro, Mass., and Professor R. L. Watts of Pennsylvania State College. At the close of this session the ladies attending the convention were invited by the local association to an auto trip through the city. "Theory and Practice in Vegetable Breeding" was Dr. H. J. Webber's subject during the evening. O. G. Bishop of Pontiac, Mich., and E. W. Catchpole of North

Watts; "Our Ladies," by S. W. Severance; "How Can Our Legislature Benefit Our Association?" by G. F. Argetsinger. Willis K. Gillette was toastmaster.

During Friday morning's session Chauncey West spoke on "Soil Fertilization" and Professor W. J. Wright, director of the New York State College of Agriculture, Alfred, N. Y., gave a lecture on "Some Special Points in Greenhouse Building and Equipment." Following the lectures a general discussion took place on such greenhouse problems as watering, packing, marketing, etc. The election of officers also took place at this meeting. All the officers were re-elected with the exception of Secretary S. W. Severance, who declined the nomination. The office was filled by E. A. Dunbar of Ashtabula, Ohio. C. R. White, president of the New York State Vegetable Growers' Association, gave an address on "Co-operation—Its Benefits, Obstacles and Future," during the afternoon. Following this lecture a final general discussion took place. It was not decided where the next convention will be held.

THE EXHIBITORS.

Cornell University (Department of Pathology) specimens of diseased vegetables in liquids, specimens of diseased vegetables freshly picked, passport charts showing diseased plant leaves, samples of soil. M. F. Barus in charge explaining cure and prevention of disease.

Cornell University, Ithaca, N. Y., Department of Agriculture, 100 varieties of onions grown on muck land showing variations in size of bulbs when seed is pure and when it is mixed, seed testers, methods of soil sterilization.

Lord & Burnham Co., Irvington, N. Y., 28 foot section of pipe frame house, large square sectional boiler, round sectional boiler, assorted line of pipe hooks, hot-bed sash. H. E. Bates in charge.

Universal Portland Cement Co., Chicago, miniature greenhouses showing uses of concrete in greenhouse building; "cement lumber" for greenhouse benches. S. A. Jamieson in charge.

Kroeschell Bros. Co., Chicago, one No. 7 Kroeschell boiler capable of heating 15,000 square feet to 60° at 15° below zero, boiler model, piping plans. Fred Lautenschlager in charge.

H. B. Treichler, Sanborn, N. Y., 30 onions weighing 34 pounds, grown from seed sold by W. Atlee Burpee & Co., Philadelphia, Pa.

Hammond's Paint and Slug Shot Works, Fishkill-on-the-Hudson, N. Y., insecticides, putties, fungicides. E. D. Baker in charge.

Mrs. Elwell S. Otis, Rochester, N. Y., new vegetable known as summer asparagus, seed of which was imported from Italy.

So. Lima Growers and Shippers' Association, South Lima, N. Y., methods of packing lettuce, onions, beets and celery.

Tyler Manufacturing Co., Rochester, N. Y., Bidwell Automatic Sprayer; brass spray fittings. W. E. Roberts in charge.

Russell & Dexter Co., Penn Yan, N. Y., Areanddeg Celery Bleachers, Russelloid roofing. S. M. Miller in charge.

Eastern Basket and Veneer Co., Buffalo, N. Y., market basket and crates.

**VEGETABLE GROWERS' ASSOCIATION.**

Exhibit at Convention Hall, Rochester, N. Y., September 4-6.

Rose, N. Y., also spoke at this session.

The Thursday morning session opened promptly at nine o'clock. Dr. E. E. Thorne spoke on the maintenance of soil fertility in truck lands. Professor E. O. Tippin's address at this session was a discussion on the use of chemicals and lime in vegetable growing in muck soils. More than three hundred growers left Convention Hall at 2 p. m. in automobiles on a trip through the famous Irondequoit market-garden region, visiting the following greenhouses: The G. W. Titus Co., Fred Metcalf, J. H. West & Sons, W. T. Redman, J. H. Cooper and the Del Titus Co. The party returned to the city at 6 o'clock, all having enjoyed the trip immensely.

The annual banquet of the association was served at Powers' Hotel in the evening. A large number attended, enjoyed a splendid dinner and listened to the following toasts: "What Our Association Has Done in the Past," by President H. F. Hall; "The Future of Our Association," by R. L.

**VEGETABLE GROWERS' ASSOCIATION.**

Exhibit at Convention Hall, Rochester, N. Y., September 4-6.



VEGETABLE GROWERS' ASSOCIATION.

Some of the Growers who attended the Convention at Rochester, N. Y., Sept. 4-6.

H. B. Fullerton, Medford, L. I., "Long Island home-hamper" containing six varieties of vegetables.

Advance Company, Richmond, Ind., ventilating apparatus, greenhouse fittings. J. E. Jones in charge.

A. F. & S. C. Stewart, Rochester, N. Y., market garden trucks and wagons, fire extinguishers.

G. M. Garland Co., Des Plaines, Ill., section of iron frame greenhouse, construction materials.

Sun Rise Gardens, East Aurora, N. Y., cartons used for packing sweet corn, tomatoes, etc.

The Foley Mfg. Co., Chicago (no exhibit), represented by D. T. Connor, Philadelphia, Pa.

Vreeland Chemical Co., New Brunswick, N. J., insecticides. E. D. Baker in charge.

New York State Vegetable Growers' Association, methods of packing vegetables.

Goulds Mfg. Co., Seneca, N. Y., power pumps. Alden L. Covill in charge.

Central N. Y. Vegetable Growers' Association, general display of vegetables.

Monroe County Market Gardeners' Association, general display of vegetables.

James Vick's Sons, Rochester, N. Y., seeds, vegetables grown from their seeds.

Joseph Harris Co., Coldwater, N. Y., vegetable seeds. E. Terry in charge.

The Skinner Irrigation Co., Troy, Ohio, automatic irrigating devices.

Taylor Instrument Co., Rochester, N. Y., Troutman Orchard Heaters.

Bateman Mfg. Co., Grenloch, N. Y., farm and garden implements.

M. L. Ruetenik, Cleveland, Ohio, hothouse tomatoes.

Neahtawanta Produce Co., Fulton, N. Y., lettuce.



H. F. Hall, Moorestown, N. J.

President Vegetable Growers' Association.

E. D. Hunter, Florida, N. Y., 3 crates onions.

Bonney & Ware, Batavia, N. Y., head lettuce.

J. H. Snyder, Burns, N. Y., celery.

THE VISITORS.

G. A. Arnold, Braintree, Mass.
H. F. Arnold, Braintree, Mass.
A. Beckrink, Jamestown, N. Y.
O. G. Bishop, Pontiac, Mich.
Jos. Bogner, New Hartford, N. Y.
F. A. Booth, East Bethany, N. Y.
Jas. Bradford, Leamington, Ont.
W. H. Bronson, Ithaca, N. Y.
G. A. Brown, Leviston, N. Y.
E. L. Callahan, Ferenbaugh, N. Y.

E. W. Catchpole, No. Rose, N. Y.
B. S. Chester, Cleveland, Ohio.
E. P. Clay, Massillon, Ohio.
Mrs. E. P. Clay, Massillon, Ohio.
D. T. Connor, Philadelphia, Pa.
E. Cook and wife, Cleveland, Ohio.
S. J. Cook, Dunkirk, N. Y.
D. D. F. Coon, Marcellus, N. Y.
M. A. Cutting, Cleveland, Ohio.
R. T. Donnell, Springfield, Ill.
R. H. Ellis, Leamington, Ont.
F. M. Emhoff, Springfield, Mo.
A. N. Farnham, New Haven, Conn.
A. G. Fletcher, Springfield, Mo.
L. A. Foote, Cleveland, Ohio.
Peter Fornoff, Columbus, Ohio.
F. J. Gardiner, So. Swansea, Mass.
C. Glendenning, West Dover, Ohio.
T. Greiner, LaSalle, N. Y.
Henry Griffith, So. Lima, N. Y.
H. F. Hall, Moorestown, N. J.
E. R. Hay, Clyde, N. Y.
J. W. Herman, Birmingham, Ala.
Richard Hittinger, Belmont, Mass.
H. L. Holmes, Harrisburg, Pa.
A. Hudson, Sanborn, N. Y.
W. J. Inglis, Youngstown, Ohio.
S. A. Jamieson, Chicago.
Milton Jennings, Canastota, N. Y.
S. C. Johnston, Guelph, Ont.
R. Rudy, Canal Dover, Ohio.
N. A. Kidder, No. Warren, Pa.
J. W. Kiesling, Logansport, Ind.
R. Kilbourne, Clinton, N. Y.
B. G. Klink, Albany, N. Y.
A. B. Kositcka, Albany, N. Y.
Fred Lautenshlager, Chicago.
G. L. Loop, Sayre, Pa.
A. H. McLennan, Guelph, Ont.
D. E. McLeod, Hamilton, Ont.
Douglas Maynard, Leamington, Ont.
M. M. Meisse and wife, Lancaster, O.
A. G. Miller, Columbus, Ohio.
F. S. Miller, Columbus, Ohio.
J. O. Montague, Lima, Ohio.
M. E. Moore, Arlington, Mass.
Arthur Morse, Leamington, Ont.
O. F. Newhall, Peabody, Mass.
H. F. Old, Bridgeton, N. J.
H. J. Peace and wife, Rocky River, O.
L. W. Purdum and son, Danville, Va.
F. F. Reeves, Humber Bay, Ont.
J. H. Rice, Ashtabula, Ohio.
Ed. Richardson, Canastota, N. Y.
H. H. Richardson, Cleveland, Ohio.
Edna Rittershamp, Princeton, Ind.

W. J. Rittershamp, Princeton, Ind.
 J. W. Rush, Toronto, Ont.
 C. F. Seabrook, Bridgeton, N. J.
 J. B. Shuntliffe, Revere, Mass.
 W. H. Siebold, Peoria, Ill.
 H. S. Smith, New Haven, Conn.
 W. R. Smith, Thomaston, Conn.
 C. H. Thompson, West Park, Ohio.
 W. J. Thompson, Rocky River, O.
 C. E. Thorne, Wooster, Ohio.
 H. F. Tompson, Attleboro, Mass.
 J. S. Tutt, Marblehead, Mass.
 E. T. Vick, Columbus, Ohio.
 F. T. Walker, Morganville, N. J.
 R. L. Watts, State College, Pa.
 M. F. Webster, Victor, N. Y.
 W. S. Weiant, Newark, Ohio.
 W. H. Weinchenk, New Castle, Pa.
 Frank Wheeler, Concord, Mass.
 H. B. Williams, Hartford, Conn.
 J. A. Wilson, Lexington, Mass.
 J. H. Wilson, Canastota, N. Y.
 Paul Work, Ithaca, N. Y.
 W. J. Wright, Alfred, N. Y.
 J. L. Zeiders, Harrisburg, Pa.
 F. J. Zuch, Erie, Pa.

Third National Flower Show.

The National Flower Show committee is now working on the final schedule. The committee respectfully requests of business houses or individuals who may be considering the offering of special prizes that they make decisions at once, so that they may receive due publicity and the growers have a chance to grow specimens for the prizes offered. Since publication of our last report the following special prizes have been offered:

In addition to previous generous donations, the H. F. Michell Co., of Philadelphia, offers \$50 in cash for a first prize, a silver medal as a second, and a bronze medal as a third, for the best single-stem plant in a 4-in. pot of Geranium Helen Michell, a new variety the company is distributing at the present time.

The S. S. Pennock-Meehan Co., of Philadelphia, offers the Pennock-Meehan cup for the best red forcing rose not yet disseminated, whether of domestic or foreign origin, 12 blooms. Exhibits to be judged by the official scale of the American Rose Society. The cup is valued at \$25. The Pennock-Meehan cup, value \$25, is also offered for 12 blooms of the best forcing rose, any other color, not yet disseminated, whether of domestic or foreign origin, exhibits to be judged by the official scale of the American Rose Society.

The Leo. Niessen Co., of Philadelphia, offer a silver cup, value \$30, class to be announced later.

The Lord & Burnham Co., New York, has taken up class 28 of the preliminary schedule for one specimen plant Azalea, not less than 4 feet in diameter, first prize \$20 in cash, or a gold medal.

Everything points to the fact that horticulturists are fully aware of the great importance of these expositions and that they are determined to assist by all the means within their power to make the Third National Flower Show the grandest exhibition ever held in this country.

J. H. PEPPER,
 Chairman Publicity Committee.

PORTLAND, ORE.—Committee members of the Pacific Northwest Land Products Show, which will be held in this city November 18-23, and in which the Oregon State Horticultural Society is actively interested, met here for preliminary preparations September 3.

Boston.

WEEK'S BUSINESS GOOD.

The past week was fairly good. The opening of Tilden's drygoods store gave the flower business a boom. It looked more like a flower store than a drygoods store. A well appointed place for the sale of flowers is included in this mammoth building. Nearly 250,000 people visited this store on the opening day and, of course, the flowers were seen, admired and advertised. Another big store in the course of a few weeks will be ready to open with the same line of goods so we may expect another grand rush on the flower line. Everything helps and especially in a time when trade is lagging. Carnations have not as yet made much appearance, only one grower, Arthur Capers of Wellesley having excellent Fair Maid from two year old plants, good flowers and long stems. This is another case of the



E. A. Dunbar, Ashtabula, O.

Secretary-Elect Vegetable Growers' Association of America.

pupil showing his heels to some of his instructors. Roses are about the same as last week.

NOTES.

At the American Hotel Saturday night, September 7, a party of the stockholders met to discuss the advisability of changing the location of the Boston Flower Exchange from Park street to Winthrop square, corner of Otis street. The sentiment was wholly in favor of the change. Park street has of late become congested. It was narrow to begin with and the increased traffic has made it worse. The new market will be down beside the two wholesale firms, Welch Bros. Co. and N. F. McCarthy & Co., convenient to the express offices and plenty of rooms for teams to drive in and stand, besides being close to the South station. The old room in Park street was unsuitable for flowers, low ceilings and not enough air or ventilation. The move is good for they are to have two floors, basement and street floor, high studded and plenty of ventilation, with three times as much floor area as where they are at present. It seemed to be the wish of those present that this be taken for 10 years and that all the flower interests could be located together. The vote, 52 "yea" and six "no," showed plainly the sentiment of the meeting. A buffet lunch was served.

Cornelius Casey of Melrose died Friday, September 6. He made a spe-

cialty of Marchael Neil and Perle roses and was one of the old time rose growers. The business will be carried on by his sons.

Dan MacRorie from San Francisco, Calif., was a visitor. MAC.

St. Paul.

BUSINESS ENCOURAGING.

Business the past week looked very encouraging to the retailers of this city. A fine lot of funeral work was turned out and wedding flowers and decorations were in evidence and the general run of business was good—a fine increase over previous weeks. Inside grown stock is coming in fine; roses are good and very fine carnations are arriving. The supply is taking care of the demand. The outside stock is poor, having been damaged by the recent excessive rainfalls. Good outside stock is not available.

STATE FAIR.

The Minnesota state fair was held at Hamline last week and as some fine premiums were offered nearly all the leading florists of the Twin Cities exhibited their stock. Although the cut flowers exhibited this year were not as fine as in previous years, the plant exhibits were better than ever before. Among the prize winners in these two exhibits were: Holm & Olson, St. Paul; Minneapolis Floral Co.; J. Vasatka, Minneapolis; F. A. Farar, St. Paul; J. S. Farmer, Minneapolis; C. C. Hunter, Minneapolis; Flower Shop, Minneapolis; R. A. Latham, Minneapolis; Hoyt Nursery Co., St. Paul; D. W. C. Ruff, St. Paul, Aug. S. Swanson, of Minnetonka, but formerly of the Merriam Park Floral Co., in the Midway District, acted as judge and received much praise for his decisions. Gus Malmquist of Minneapolis, assistant superintendent of horticulture, deserves much praise for the way stock was staged and the general appearance of the exhibits.

NOTES.

Holm & Olson are displaying in their windows the awards received at the State Fair. The cards representing premiums are all mounted on a large board and an appropriate sign reads: "34 first premiums out of 37 entries." They are creating a great deal of comment.

C. Kinsman of Austin, Minn., N. Clearine of Faribault, and N. Nielsen of Mankato, visited the fair. Other visitors were: W. R. Hall, Osage, Ia.; J. J. Kariens of the H. A. Dreer Co., Philadelphia, Pa., and Henry H. Wenderoth, with Nicholas Wapler, New York.

C. T. Haupt, florist at Concord and South Robert streets, has just completed the erection of a fine new house which will be devoted to bedding plants exclusively. The rest of his place is being remodeled and put in shape for the coming season.

H. Puvogel is rapidly completing his new houses and his place presents a fine appearance. He expects to have the work completed before frost comes.

C. F.

Cincinnati.

MARKET SHOWS IMPROVEMENT.

The local market shows some improvement. Prices have not soared any or even tried to move upward. But the demand seems better and the supply, taken as a whole, has let up somewhat. The one flower that is constantly in greater demand than can be furnished is the white aster. The other colors in asters are ample. Along with white asters may be classed giganteum and longiflorum lilies. Some days last week there was a shortage of these. The tremendous oversupply of gladioli seemed at the close of last week and the beginning

of this to have let up and assumed reasonable proportions. It is probable that the cut is nearing its close for the season. In roses the American beauties alone sell well. They clean up as a whole very regularly. The pink are moving only fairly well but of the white only the best sell. Shorts do not move at any price. Quite a number of the retailers are handling large lots of tuberose. The carnation cut is on the increase.

NOTES.

The meeting of the Florists' Society on Monday evening was well attended. The discussion on the various questions that came up was thorough. The geranium price problem was the special order of business and was care-

Nebraska State Fair.

The Nebraska state fair was held at Lincoln September 2-6, with perhaps the largest attendance in the history of the state. The floral and plant display in the horticultural building was also one of the finest and most elaborate in its history. The prize winners were as follows:

Display and general collection of greenhouse plants—Lewis Henderson, Omaha, diploma.

Display of cut flowers—Frey & Frey, Lincoln, diploma.

Collection of greenhouse plants—Lewis Henderson, first; C. H. Green, Fremont, second; Frey & Frey, third; Edw. Williams, Grand Island, fourth.

Collection of palms—Lewis Henderson, first; Frey & Frey, second; C. H. Green, third; Edw. Williams, fourth.

Edw. Williams, second; Lewis Henderson, third; Frey & Frey, fourth.

Collection of geraniums—Frey & Frey, first; Edw. Williams, second; C. H. Green, third; Lewis Henderson, fourth.

New and rare plants—Lewis Henderson, first; C. H. Green, second; Edw. Williams, third.

Display of cut flowers—Edw. Williams, first; Lewis Henderson, second; Frey & Frey, third.

Floral designs—Frey & Frey, first; Edw. Williams, second; Lewis Henderson, third.

Roses—Edw. Williams, first; Frey & Frey, second; Lewis Henderson, third.

Carnations—Lewis Henderson, first; Frey & Frey, second; Edw. Williams, third.

Gladioli—Lewis Henderson, first; Edw. Williams, second; Frey & Frey, third.

Wreath—Frey & Frey, first; Lewis Henderson, second; Edw. Williams, third.

Basket—Frey & Frey, first; Edw. Williams, second; Lewis Henderson, third.

J. S. Wilson of Des Moines, Ia., acted as judge. L. H.

OBITUARY.

Charles L. Yates.

Charles L. Yates, treasurer of the American Association of Nurserymen and manager of the National Nurseryman, the association's official paper, died suddenly September 5 at his home in Rochester, N. Y. Death was the result of acute indigestion and came as a great shock to his many friends. Mr. Yates had long been identified with the nursery trade and was a national figure in the work to which he had devoted a great part of his life. He was born in Canada in 1847 and was 65 years old at his death.

When 21 years of age Mr. Yates moved to Lowell, Mass., and engaged in the wholesale commission business. Later he was interested in western mining operations, but returned to Waltham, Mass., and became a nurseryman. He was a salesman for Geo. A. Stone for four years and then went to Philadelphia. From there he went to Rochester and engaged in the business for himself. Mr. Yates' demise is the second loss by death suffered by the National Nurseryman in the last few weeks. Prof. John Craig, the editor, having departed this life a short time ago. The funeral of Mr. Yates was held Saturday, September 7.



OMAHA FLORISTS' CLUB.

Some of the Ladies at the Picnic at Courtland Beach, August 1, 1912.

fully gone into. A committee was appointed to further investigate and report on the matter.

The vacationists who have returned are C. E. Critchell and wife; Gus. Adrian and wife; E. C. Gillett, wife and daughter; Max Rudolph and wife, and Wm. Gear. All of them told of the extremely cold and inclement weather they experienced in the respective northern points they had visited.

Visitors: Jos. E. H. Mouchard of the S. S. Pennock-Meehan Co., Philadelphia, Pa.; Wm. Lodder, Hamilton, O.; Wm. Nolan, Portsmouth, O.

C. E. Critchell has received his first fall shipment of wild smilax. The quality of the stock is very good.

The Cincinnati Cut Flower Exchange celebrated its first anniversary Monday, September 9.

J. T. Conger of Hartwell is adding two houses, 21x100, to his conservatories.

P. J. Olinger called at New Castle and Muncie, Ind., last week.

C. J. Jones went to Richmond for a day on business.

NEW WASHINGTON, O.—The Cranberry Nursery, of this place has incorporated with a capital stock of \$5,000.

FARGO, N. D.—Smedley & Co. have finished three new greenhouses. Two of the buildings are 25x40 feet and the other 12x40.

SAN FRANCISCO, CALIF.—Plans and specifications for the new greenhouses to be constructed in the Presidio Reservation and which will house the 30,000 plants and trees to be used on the exposition site, were distributed September 4.

son, first; Frey & Frey, second; C. H. Green, third; Edw. Williams, fourth.

Five specimen palms—Lewis Henderson, first; Edw. Williams, second; Frey & Frey, third; C. H. Green, fourth.

Collection of ferns—Lewis Henderson, first; C. H. Green, second; Edw. Williams, third; Frey & Frey, fourth.

Rex begonias—Edw. Williams, first; Frey & Frey, second; C. H. Green, third; Lewis Henderson, fourth.

Flowering begonias—Edw. Williams, first; Frey & Frey, second; C. H. Green, third; Lewis Henderson, fourth.

Hanging baskets—C. H. Green, first;



OMAHA AND COUNCIL BLUFFS BOWLERS.

Photograph Taken at the Picnic at Courtland Beach, August 1, 1912.

THE AMERICAN FLORIST

1885 TWENTY-SIXTH YEAR 1912

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send he old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn st., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	465
—Peonies.....	465
—Decorative plants.....	465
—Tulips and narcissi.....	465
—Geraniums.....	466
Sweet peas for Christmas.....	466
The retail trade.....	466
—Chicago stores that advertise.....	466
—Emblem by Gude Bros. (illus.).....	466
—Langhans arranges funeral flowers.....	467
—Gude auto wins prize.....	467
—The pink dinner table.....	467
The carnation.....	468
—Carnations dying.....	468
—Seasonable notes.....	468
—Growing carnations in old soil.....	468
Royal International exhibition at London, Eng., (illus.).....	469
To the grower of sweet peas.....	469
Kentucky Society of Florists (illus.).....	470
Chrysanthemums.....	470
—Insects.....	470
—The chrysanthemum leaf tyer (illus.).....	470
Wilcox's new range (illus.).....	471
Chrysanthemum pests.....	471
Growing old cyclamens.....	471
Vegetable Growers' Association (illus.).....	472
Third national flower show.....	474
Boston.....	474
E. A. Dunbar (portrait).....	474
St. Paul.....	474
Cincinnati.....	474
Omaha Florists' Club (illus.).....	475
Omaha and Council Bluffs bowlers (illus.).....	475
Obituary.....	475
—Charles L. Yates.....	475
Personal.....	476
Quarantine law hearings.....	476
Get a permit to do business.....	476
Society of American Florists.....	476
Cleveland.....	478
Philadelphia.....	478
Buffalo.....	478
Chicago.....	480
St. Louis.....	484
Racine, Wis.....	485
Davenport, Ia.....	485
Toronto, Ont.....	487
Montreal.....	487
Nashville, Tenn.....	488
New York.....	490
San Francisco.....	490
Washington.....	496
Market gardeners.....	504
Pittsburg.....	504
The nursery trade.....	506
—Nursery quarantine law penalties.....	506
—The drastic nursery bill.....	506
—Packing materials.....	506
Seed trade.....	498
—Gladoli in Holland.....	498
—California Seed Growers' Ass'n, Inc.....	498
—Rickards Brothers fail.....	498
—Nebraska seed crops.....	498
—Peas and beans.....	498
—Connecticut seed crops.....	498

FROSTY nights may be expected soon and ample provision should be made for the protection of tender plants in the open, as fine weather may continue several weeks after the first damaging cold snap.

NURSERYMEN and others who desire a permit to import nursery stock under the new quarantine law, which goes into effect October 1, should address the Federal Horticultural Board, Department of Agriculture, Washington, D. C.

Personal.

Arthur Newell and wife of Kansas City, Mo., write August 30 from London, Eng., saying they are enjoying their visit immensely.

Quarantine Law Hearings.

The Secretary of Agriculture, Washington, D. C., has issued a public document on the enforcement of the federal plant quarantine law. In compliance with the law, before quarantine proclamations are issued, public hearings will be given to persons interested who may appear in person or by attorney, or submit their views in writing. Announcement is hereby made that these hearings will be held as follows:

On the white pine blister rust, September 16, 1912.

On the Mediterranean fruit fly, September 18, 1912.

On the potato wart disease, September 20, 1912.

All hearings will be held at the Department of Agriculture, Washington, D. C., at 10 o'clock a. m., on the dates above specified. Photographs illustrating the three dangers above mentioned can be obtained upon application to the Chief of the Division of Publications, Department of Agriculture, Washington, D. C. The full text of the document will be found elsewhere in this issue, page —.

Get a Permit to Do Business.

ED. AMERICAN FLORIST:

A true type of those laws which I have protested against for the past four years is seen in the new so-called nursery stock quarantine law which takes effect October 1. I wrote as follows four years ago:

Prosperity exists only under favorable conditions. The Congressional Record shows, not that more laws are needed, but better laws; not laws to restrict business, but to promote it; not drastic and restrictive enactments with prison penalties for the first offense under untried conditions; not federal bureau control for increasing government employes and patronage at the expense of both business and labor. Some such laws have been enacted, more are threatened.

Secretary Wilson, his Bureaus, and his standpat aids in Congress have put another one over. It carries a prison penalty and is unfair in those directions which I pointed out and un-American and against the common law rights of the business citizen. Every business man should protest now before he is tied hand and foot by similar laws carrying police regulations, prison penalties and heavy fines, putting the most reputable lines of business in the country into the law-controlled classes and making it appear to the general public that this trade must be a disreputable one, in that it can not be carried on without special permission and under special police control.

J. C. VAUGHAN.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that A. N. Pierson, Inc., of Cromwell, Conn., offers for registration the following new seedling rose H. T. (J. B. Clark x Richmond). Any person objecting to the registration or to the use of the proposed name, is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from date.

RAISER'S DESCRIPTION.

The rose is a hybrid tea, a cross between Richmond and J. R. Clark. The habit of growth is strong and sturdy, and the foliage excellent. The flower is large and double and opens

perfectly at all seasons of the year. In color it is similar to Richmond, although richer in color and in the bud. In form of flower and in fragrance it resembles Gen. Jacqueminot and combines with this excellent color, strong growth, great productiveness, and wonderful keeping qualities, which strongly recommend the variety as an excellent forcing rose. The variety will be disseminated in 1913. The name which I wish to give the above described rose is Milady.

Sept. 3, 1912. JOHN YOUNG, Sec'y.

Meetings Next Week.

Boston, Mass., September 17.—Gardeners and Florists' Club of Boston, Horticultural hall.

Detroit, Mich., September 16 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Grand Rapids, Mich., September 16.—Grand Rapids Florists and Gardeners' Club, office of member.

Lake Geneva, Wis., September 21, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Montreal, Que., September 16, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardian's building, 224 Sherbrook street, west.

New Orleans, La., September 19, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

Newport, R. I., September 18.—Newport Horticultural Society.

Providence, R. I., September 16, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.

Salt Lake City, Utah, September 17.—Salt Lake Florists' Club, Huddart Floral Co., 61 Main street.

Scranton, Pa., September 20, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Seattle, Wash., September 17.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Toronto, Ont., September 17, 8 p. m.—Toronto Gardeners and Florists' Association, St. George's hall, Elm street.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

September 11-12, 1912, New Haven, Conn.—Annual dahlia show and general exhibition. New Haven County Horticultural Society, Harmonie hall, Elm street. David Wylie, secretary.

September 14-16, 1912, Newport, R. I.—Fall exhibition, Newport Horticultural Society, Masonic hall, D. J. Coughlin, Bellevue avenue, Newport, R. I.

September 19-20, 1912, Hartford, Conn.—Dahlia and general exhibition, Connecticut Horticultural Society, Unity hall, Pratt street, Geo. W. Smith, secretary, Melrose, Conn.

September 24-26, 1912, New York.—Exhibition of flowers, plants, fruits and vegetables, American Institute of New York, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

September 27, 1912, Orange, N. J.—Seventh annual dahlia show, New Jersey Floricultural Society, Lindsley hall, Main street. Wm. Reid, secretary.

October 23-26, 1912, San Francisco, Calif.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel, Angelo J. Rossi, manager, 2114 Steiner street, San Francisco.

October 24-25, 1912, Lenox, Mass.—Fall exhibition, Lenox Horticultural Society, Geo. H. Instone, secretary, Lenox, Mass.

October 24-26, 1912, Pasadena, Calif.—Fifth annual fall flower show, Pasadena Horticultural Society, Geo. H. Kennedy, secretary, 497 Bradford street, Pasadena.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition, Nassau County Horticultural Society, James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society, Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory. Wm. Mills, secretary.

October 31-November 1, 1912, Madison, N. J.—Seventeenth annual flower show, Morris County Gardeners' and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 12-15, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society. John N. Stockwell, secretary, City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and horticultural departments so far as obtainable:

September 9-13, Huron.—South Dakota State Fair, D. E. Gurney, Yankton, S. D.

September 9-14, Louisville.—Kentucky State Fair, C. R. Van Meter, Lebanon, Ky.

September 9-14, Syracuse.—New York State Fair, Chas. H. Vick, with James Vick's Sons, Rochester, N. Y.

September 10-14, Milwaukee.—Wisconsin State Fair, D. E. Bingham, State Fair Park, West Allis, Wis.

September 11-13, Wilmington.—Delaware State Fair, Richard G. Buckingham, R. F. D., Newark, Del.

September 14-21, Sacramento.—California State Fair, Theo. Gier, Oakland, Calif.

September 16-21, Detroit.—Michigan State Fair, H. H. Dow, Midland, Mich.

September 16-22, Nashville.—Tennessee State Fair, Chas. Keffler, State University, Knoxville, Tenn.

September 17-22, W. R. Junction.—Vermont State Fair, A. M. Vaughan, Randolph, Vt.

September 23-28, North Yakima.—Washington State Fair, Hon. J. C. Hubble, Ellensburg, Wash.

September 23-28, Helena.—Montana State Fair, O. B. Whipple, Bozeman, horticulture, Prof. A. J. Roberts, Helena, horticulture.

September 24-27, Berlin.—Connecticut State Fair, Leland W. Gwatkin, secretary, Berlin, Conn.

September 24-27, Douglas.—Wyoming State Fair, R. H. Hall, Hudson, horticulture; Mrs. Anna Jenne, Douglas, floriculture.

September 28-October 4, Sedalia.—Missouri State Fair, Ed. C. Roth, Buckner, Mo.

September 30-October 4, Trenton, N. J.—Inter-State fair, Prof. M. A. Blake, New Brunswick, N. J.

September 30-October 6, Spokane, Wash.—Interstate Fair, Geo. T. Crane, Spokane, Wash.

October 4-12, Springfield.—Illinois State Fair, J. J. McComb, 1047 North Hoyne avenue, Chicago, horticulture; Robt. O'Dwyer, 716 West Madison street, Chicago, floriculture.

October 7-12, Boise.—Idaho State Fair, J. A. McPherson, Boise, Idaho.

October 7-12, Richmond.—Virginia State Fair, A. Warwick, 7 Mutual building, State Fair Grounds, Richmond.

October 14-19, Raleigh.—North Carolina State Fair, Prof. W. N. Hitt, Raleigh, N. C.

October 28-November 2, Phoenix.—Arizona State Fair, John E. Logan, Tucson, Ariz.

October 31-November 6, Shreveport.—Louisiana State Fair, Robt. Glenk, State Museum, New Orleans, La.

November 11-16, Hot Springs.—Arkansas State Fair, Chas. Starke, Hot Springs, Ark.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 690, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced. Can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Help Wanted—All around, reliable and energetic greenhouse man; good business opening for the right man. OPELIKA FLORAL CO., Opelika, Ala.

Help Wanted—Bulb man wanted in wholesale seed establishment in Central West. Must be experienced in details of order filling and care of stock. Give full particulars and salary wanted. Address, Key 697, care American Florist.

Help Wanted—Gardener who understands growing vegetable plants, transplanting and bedding. Married German preferred. Good permanent position to right man. State wages and reference in first letter. ARCHIAS FLORAL CO., Sedalia, Mo.

For Sale or Rent—Greenhouse place; four greenhouses, 1,200 sq. ft. glass; all in good shape; seven acres of good land; eight room dwelling, barn, fine artesian well, splendid market for everything. Will lease for any desired length of time on easy terms and with privilege of buying. Owner not a greenhouse man. Address ST. PETER GREENHOUSE, St. Peter, Minn.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 ft. in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Situation Wanted.

A good carnation grower is open for engagement. Chicago or middle west preferred. Address

Key 683, care American Florist.

SALESLADY

for a retail florist store in Chicago. One with a little experience in design work preferred. Write now.

Key 694, American Florist.

WANTED

good saleslady for a retail store in Chicago. One experienced in design work preferred. Good wages to the right party.

Key 699, American Florist.

Restaurant for Sale

Located on nursery near Chicago; accommodations for 10 to 20 boarders and 10 roomers; have 18 at present; \$100 or less, as per inventory. Write at once.

Key 689, care American Florist.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

Manager Wanted.

At once, Expert Carnation Grower who is able to handle help to best advantage, to take full charge. State full particulars, stating age, experience, last employers, wages expected, etc. Good dwelling on place.

N. ZWEIFEL, North Milwaukee, Wis.

BASKET PICNIC

Given by the Gardeners' and Florists' Union No. 10615, assisted by Rothmanner Liederkranz, J. AT EBERT'S GROVE, 6668 Ridge Boulevard, Sunday, September 15th, 1912, 2 p. m. Tickets, 25c a person.

Take Clark St. car ride to Devon Ave., go west to Ridge Boul., then two blocks north, or take a Rogers Park car to Pratt Ave., then 2 blocks west.

WANTED

By a well established seed house in the East, a thoroughly experienced manager. Must have a thorough knowledge of wholesale, retail, mail order and poultry departments. Good salary to right party or if desired may have interest in firm. State experience, salary and reference.

Address Key 695, care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

WANTED

By a large firm of Nurserymen, Florists, Seedsmen, a bright, active man to take charge of and manage our Cut Flower Dept.; a man of good address, accustomed to handling the finest trade; this with a view of partly relieving the executive of the burden of an immense growing business. Such a man, if satisfactory to both parties can acquire a good salary and a valuable working interest in the business. In replying, give the fullest particulars, as we want only to secure the most able energetic man possible. Address, Key 698, American Florist.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Cleveland.

CONDITIONS UNCHANGED.

The offerings at the local wholesale houses are about the same as the week previous. Asters are still plentiful in all colors, and the quality is good. Carnations are becoming more plentiful. A few sweet peas are still coming in, but mostly of poorer quality. Roses are plentiful and the demand good. Jap lilies and Easter lilies are again plentiful with a fair demand.

NOTES.

The garden festival of the Cleveland public schools was on this week in the Sweetland Building. There were flowers and vegetables, shrubs and canned stuff. The most of the exhibitors were children who had grown their own things in a little backyard or schoolyard. The J. M. Gasser Co. exhibited some fine Killarney and Maryland roses. The Taylor Flower Shop had a dining room and table-decoration in one window and a porch decoration in the other. Both attracted much attention and favorable comment.

The Jones-Russell Co. is having its store painted and redecorated on the inside and otherwise generally fixing up for the busy season.

The Cleveland Florists' Exchange received their first shipment of Southern smilax, consisting of 40 cases, on Monday, September 2.

Al. Wilhelm, of Montana, who formerly worked for the J. M. Gasser Co. is spending a few weeks at his home here. C. F. B.

Philadelphia.

MARKET AT LOW EBB.

The condition of the market might be worse but if so it would surely stand still, as it just barely keeps moving now. Last week was said by several wholesale dealers to have been the nearest to bottom of any that has gone before. Asters are still very plentiful but the quality is retrograding and much of the stock handled scarcely brings enough to pay express charges. One of the dealers, who was getting together quite a large lot of asters for an order, said when complimented on the sale, "This is no sale—it's a gift, and I am ashamed to make out the slip." Roses are improving but the extreme heat of the past few days makes the stock soft. There is a fair demand for about all the white ones and the American Beauties, but all the others move very slowly. Easter lilies are plentiful and valley is about equal to the demand. Cottleyas have almost to be prayed for. One dollar is the price. The growers say that ten days from this time will see a change and there will be sufficient to let everyone have a few. There are plenty of good gladioli and hydrangeas by the wagon-load.

NOTES.

Fred Chyezewsky, greenhouse manager for Alfred Campbell of Collingdale, has resigned his position, having purchased from Charles Meehan fifty acres of land on which is 60,000 square feet of glass. This is situated at Churchville on the Newtown road. Mr. Chyezewsky's specialties will be roses, chrysanthemums and asparagus, with which the houses are now planted. William Prevail is to succeed as greenhouse superintendent for Mr. Campbell.

New stores are opening and more are to follow. One of the best informed men in the business says, "this is going to be a great season—the best ever." Mrs. J. Smith opened a retail cut flower store at Front and West Moreland streets on September 9. Another new one is to be opened at Germantown and Erie avenues. James Cah is the proprietor. Others are

slowly "hatching out" and will swing their signs to the breeze before long.

Emil H. Geschick, of Johnston, Germantown, had the misfortune to lose a horse by death last week. From the automobile lists seen lying around it would seem that Mr. Geschick is considering turning the stable into a garage.

George E. Campbell, Flourtown, is installing a new 100 horsepower boiler. George says he is not taking any chances as he must have heat to grow good stock. His house of the new Sunburst rose is looking fine.

M. Rice & Co. had a customer last week who traveled 500 miles to see their store and look over the stock. He came direct from the train and after leaving his order hastened to get the next train for home.

— Watson, at the Leo Niessen Co.'s market, says that there is too much stock about for the business doing, that American Beauties are moving better and also that the Sunburst is a coming rose.

Chrysanthemums are in fine flowers, but they have not found favor to any extent; a little more autumn tinge on the shade trees will have to show first.

M. Rice & Co. report Julius Epstein and wife of San Francisco, Cal., and Frank Schoen of the Gasser Co., Cleveland, as among their visitors.

The Dreer Co. is cutting herbaceous flowers in assortments, large, showy, long-stemmed stock, that make fine vase flowers for decoration.

John Berger is home from a two week's vacation in Maine. He looks hale and hearty and ready for business. K.

Buffalo.

WEDDINGS HELP SOMEWHAT.

If Buffalo had been favored in July and August with the weather that we are getting now the loss to the grower who expected so much from his peas, asters and other outdoor flowers

would not have been so heavy. However, we hope to have a good fall and a prosperous winter. Trade is about what can be expected. Several weddings are on for this week, calling for choice flowers and moderate decorations.

NOTES.

Some florists are making slight alterations and improvements in their stores. Palmer & Son are putting a tile floor in the lower store. S. A. Anderson has beautified his store with some very fine mirrors and new ribbon and basket cases. Keitsch & Co., L. H. Neubeck and Ed. Altman have been repainting.

B. J. Meyers, superintendent of W. J. Palmer's Lancaster plant, while returning from Buffalo with Mrs. Meyers met with a very serious accident. Their car skidded and turned turtle seriously injuring Mr. Meyers and breaking both of Mrs. Meyers' arms and otherwise injuring her.

Leo Elbers, who has purchased the greenhouses at Main and Amherst streets, Central Park, is well satisfied so far and has his stock in good shape.

R. E. Boettger of Eggertsville has had the best asters this season.

The last meeting of the B. F. C. had a fair attendance. Flower show business was the topic. Chairman Kasting will announce his committees very soon.

Several of the trade went to Syracuse this week to attend the meeting of the New York State Federation of Florists' Clubs. President Kasting left Wednesday.

W. J. Peake, who purchased the La Tour property on East Parade avenue has put up a store front and is now all ready for business.

E. C. Brucker has returned from a well earned vacation. BISON.

HELENA, MONT.—This city's third annual flower show was held August 29 and 30. Victor Siegel of Butte acted as judge.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. All goods F. O. B. your city.

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



On the job day and night

Palms, Ferns, Etc., for Fall.

Get Your Order In While Stock Is Complete.

Asparagus Hatcheri.—2½-in., strong, per doz., \$1.50; per 100, \$10.00; 250 for \$18.75.

Asparagus Plumosus—Seedlings, per 100, \$1.00; per 1000, \$8.00. 2-in., per 100, \$3.00; per 1000, \$25.00.

Asparagus Sprengeri.—Seedlings, per 100, 85c; per 1000, \$6.00.

Boston Ferns.—2½-in., per 100, \$5.00.

Palms.—Choice stock in all sizes of Kentias, Latanias, Phoenix Roebeleni and Pandanus Veitchii. Ask for prices on sizes to suit.

Poinsettias.—For panning. 2½-in., strong, per doz., \$1.00; per 100, \$6.00; per 1000, \$55.00.

Primula Malacoides.—2½-in., per doz., 75c; per 100, \$4.00.

Small Ferns for Dishes. } In 10 choice varieties, well established, 2½-in., our selection of varieties, per 100, \$3.50; per 1000, \$32.50.

Vaughan's Seed Store, Chicago

Dennison

DISTINCTIVE TAGS

FOR THE HOLIDAY SEASON

Help to make the Christmas Boxes of Flowers more attractive

The tag is the business card of the florist on the box.

It must represent him in Quality.

Dennison Florist Tag Designs this season are particularly handsome.

Write for samples and allow the Dennison Department of Design to submit a sketch carrying out your ideas of a distinctive florist tag.

Dennison Manufacturing Company

THE TAG MAKERS

Works at Framingham, Mass.

STORES

BOSTON

26 Franklin Street

NEW YORK

15 John Street

NEW YORK

15 West 27th Street

PHILADELPHIA

1007 Chestnut Street

CHICAGO

62 E. Randolph Street

ST. LOUIS

905 Locust Street

SALES OFFICES

Albany, N. Y.

Atlanta, Ga.

Baltimore, Md.

Buffalo, N. Y.

Cincinnati, O.

Cleveland, O.

Dallas, Texas

Denver, Colo.

Detroit, Mich.

Indianapolis, Ind.

Kansas City, Mo.

Los Angeles, Cal.

Louisville, Ky.

Milwaukee, Wis.

Newark, N. J.

New Orleans, La.

Omaha, Neb.

Pittsburg, Pa.

Portland, Ore.

Providence, R. I.

Richmond, Va.

St. Paul, Minn.

San Francisco, Cal.

Seattle, Wash.

Toronto, Ont.



Extra Fine Shipping Stock

Beauties, Roses, Lilies, 'Mums.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums Now in Flower.

Very Choice Large White and Yellow 'Mums, \$2.00 to \$3.00 per dozen.

Good, Fresh, Medium and Short Stem Roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$2.50 to \$3.00
30 to 36-inch	2.00
18 to 24-inch	1.50
12 to 15-inch	1.00
Short.....	per 100, \$4.00 to \$6.00

KAISERIN, MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY.

	Per 100
Extra long select.....	\$6.00 to \$8.00
Medium length.....	3.00 to 4.00
Short	2.00

CARNATIONS

	Per 100
Extra long, O. P. Bassett.....	\$2.00
Extra long, white	2.00
Fancy pink.....	2.00

FINE EASTER LILIES

	per doz., \$1.00	Per 100
Lily of the Valley		\$3.00 to 4.00
Asters, all colors.....		1.00 to 2.00
Smilax.....	per doz., \$1.75 to \$2.00	
Asparagus Sprays.....		3.00 to 4.00
Sprengeri		2.00 to 3.00
Adiantum		1.00 to 1.50
Galax—Bronze and Green.....	per 1000, \$1.00	
New Ferns.....	per 1000, 1.50	

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

GOOD CALL FOR AMERICAN BEAUTIES.

The 94-degree weather this week has again broken all records for September and several deaths are due to the intense heat. The extreme hot weather did not do the stock any good and chrysanthemums especially suffered considerably and in some instances were so soft that it was almost impossible to ship them. The weather on Sunday, however, was a little cooler, the mercury dropping to 80 degrees. Stock of all kinds is plentiful, with the exception of cattleyas, for which the demand is heavy. White dendrobium of fine quality are in better supply and gardenias sell up well. American Beauty roses are of very fine quality and arrive in good supply, but they are having a very good call. Killarney, White Killarney, Bride and My Maryland are in fine shape and Richmond, Radiance, Mrs. Aaron Ward, Sunburst, Melody, Prince De Bulgarie and Lady Hillingdon are also showing up well. The longer grades are selling well, but there is a great oversupply of short-stemmed stock. Asters are still arriving in large quantities, but the supply is much shorter than it has been, and gladioli are still seen in large lots everywhere. Lilies are plentiful and dahlias are also in large supply. There are plenty of greens, some exceptionally fine ferns and wild smilax arriving. Business the greater part of last week was very quiet, but trade picked up considerably Saturday and was much livelier than it has been for some time. A good frost to kill the out-door flowers would be welcome now. The supply houses are making displays and pushing their stock and this reminds one that the holidays are only a few months away. The market on September 10 is still in about the same condition although asters and gladioli are commencing to

shorten up and good stock is said to be scarce. Chrysanthemums are now moving a little better and Monrovia has made its appearance. American Beauty roses are still moving well and some very choice stock is now arriving.

NOTES.

The Chicago Rose Co. has made a great many changes in its store, and the new arrangements are proving to be of great benefit. This firm will change its name after October 1 and will then do business under the name of Joseph Ziska. Mr. Ziska, the present proprietor, has been in the wire-working business in this city for more than 32 years and has one of the most complete establishments of its kind in this country.

Wietor Bros are cutting from a large crop of American Beauty roses and the stock that is now arriving at the store is very fine and the quality all that can be desired. This firm has had a good supply of American Beauties all summer, but N. J. Wietor says that the present cut is the largest his house has had this season.

The Raddlen Basket Co. is certainly having a busy season and has found it necessary to increase the force in the shipping department so as to get the orders out on time. Mrs. A. Kinder says that the firm has received over 50 inquiries the past week for catalogues and that the fall trade promises to be very large.

Theodore Vogel stole a march on his many friends on September 4 when he was quietly married to Miss Gerda Larson of this city at the home of her parents at 3139 South Park avenue. Mr. Vogel is in the employ of the Alpha Floral Co. and is one of the proprietor's best salesmen.

Chas. L. Washburn says that Bassett & Washburn's new range will be planted with carnations this season

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

and that a large number of plants are already in. The new range is located at Gregg's station and consists of five modern houses 34x600 feet.

George Economopolis has returned from his vacation and is again in charge of the Alpha Floral Co.'s store. A number of improvements have recently been made at his establishment, including a new tile floor.

George V. Wienhoeber, manager of the Fleischman Floral Co., is enjoying his vacation at Ottawa Beach, Mich. Theodore Miller is doing the buying on the market during his absence.

C. F. McCormick left September 6 for Baltimore, Md., on a business and pleasure trip.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Why don't you order some of our good short roses at \$10.00 per 1,000, smaller quantities at the same price. Also good medium at \$3.00 per 100. We are now cutting some October Frost (white) and yellow chrysanthemums. We have a fine crop of Cattleyas now ready in bloom. White Orchids \$5 per doz.

Fancy Valley, Easter Lilies, Killarney, White Killarney, Richmond, Mrs. Aaron Ward, Bulgarie, Taft and Hillingdon roses.

Extra fine stock with extra long stems.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.	LADY HILLINGDON.		Per 100	ORCHIDS, white dendrobium.....		Per 100
Specials.....		\$3.00	Long.....		\$ 8.00			5.00
30 to 36-inch.....		2.50	Medium.....		6.00	EASTER LILIES.....		10.00
24 inch.....		2.00	Short.....		3.00 to 4.00	VALLEY.....		3.00 to 4.00
18 to 20-inch.....		1.50	RICHMOND, Specials.....		8.00	ADIANTUM CROWEANUM.....		1.0
Short stem.....		per 100. \$4.00 to 8.00	Fancy.....		6.00	SMILAX, per doz.....		1.50
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.....		Per 100	Medium.....		4.00	SPRENGER PLUMOSUS SPRAYS.....		3.00 to 4.00
Long.....		\$ 8.00	Good short.....		3.00	PLUMOSUS STRINGS, extra long and heavy, each.....		.50 to .60
Medium.....		6.00	KILLARNEY, Specials.....		8.00	PLUMOSUS, strong, long, medium, each.....		.3
Short.....		\$3.00 to 4.00	Long.....		6.00	FERNS.....		per 1,000 1.50
MELODY, long.....		8.00 to 10.00	Medium.....		4.00	GALAX.....		per 1,000 1.25
Medium.....		6.00	Good short.....		3.00	LEUCOTHOE.....		per 100 .75
Short.....		3.00 to 4.00	WHITE KILLARNEY, Specials.....		8.00			
MRS. AARON WARD.....			Long.....		6.00			
Fancy long.....		8.00	Medium.....		4.00			
Medium.....		6.00	Good short.....		3.00			
Short.....		3.00 to 4.00	CHRYSANTHEMUMS, White and yellow, per doz.....		2.00 to 3.00			

We Rely on Reasonable Prices

To Win Trade
And Quality and Service

To Hold It.

Try us on Beauties, Roses, Gladioli, Carnations or anything seasonable and we will prove it.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES { Central 2571-2572
Automatic 48-734

CHICAGO

Fred Meyer, with the George Wittbold Co., has returned from a brief visit at Sturgeon Bay, Wis. Mr. Meyer made the trip up the lake by boat, but it was a very unpleasant one, for a heavy sea was rolling. It is needless to say that he made the return trip by train.

John Michelsen is again attending to his duties as manager at the E. C. Amling Co.'s store, having returned from a visit to the eastern violet district. He reports conditions about the same as last year, and made arrangements during his visit for his firm's fall supply.

Frank Johnson of the A. L. Randall Co. has everything in readiness at the store for fall and the salesmen are now starting out with a new line of samples. He says that the "Rando Hose" is well liked by the trade and

that new orders are coming in every day.

Peter Reinberg's supply of roses of all kinds is very large and the demand is very good for fancy long stemmed American Beauties. Tim Matchen says that Friday was a good shipping day and the local trade on Saturday was also much better.

The S. Wilks Manufacturing Co. is evidently expecting to do a big business this fall, for it has a large number of self-feeding hot water boilers in stock at their factory at 3503 Shields avenue.

Gardeners' and Florists' Union No. 10615 will give a basket picnic at Elbert's grove, 6668 Ridge boulevard, September 15. Tickets 25 cents a person. Everybody welcome.

Frank Ayers, with Chas. W. McKellar, left July 12 for Fort Smith,

Arkansas, and Paris, Texas, to attend to some legal business pertaining to the family estate.

E. Bollinger, Lake Forest, will open offices as a landscape architect in the Henrietta Building, Wabash avenue and Randolph street, after September 15.

J. A. Mendel will devote all his time to his flower business again when his term as county commissioner expires on December 5.

The Pulverized Manure Co. is distributing a very handy and substantial brass paper clip among its patrons.

Philip L. McKee and Walter Rupp, of the John C. Moninger Co., made an auto trip to Milwaukee September 7.

Erne & Klingel are pleasing their customers with a very good grade of green goods, especially ferns.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	15-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6 00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine.

Fancy, 24-inch stems.....\$6.00
Good, 15.....4.00
Short.....3.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$1.50
Fancy.....1.25
Good.....1.00

HARRISII.....8.00 to 10.00

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX. per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Miss Anna Grace Sawyer, whose father exhibited the new asterium at the last S. A. F. convention, arranged the floral tribute of sympathy from the Central Trust Bank to Mrs. Charles Dawes, whose son was drowned at Lake Geneva. The well known bank president's home in Evanston was completely filled with floral designs and people of note from all parts of the country were present at the funeral services last Sunday, September 8.

J. E. Jones, with the Advance Co. of Richmond, Ind., stopped off here on his return from the vegetable growers' convention at Rochester, N. Y., long enough to visit Bassett & Washburn's new range at Gregg's station. Mr. Jones says that when this new plant is completed it will be one of the finest in the country and a credit to the proprietors.

E. R. Farley, chairman of the Florist Club's sports committee, is busy organizing the bowling league and has called a meeting for Thursday evening, September 12, at the J. B. Deamud Co.'s store. All members of the club are cordially invited to bowl the coming season and are earnestly requested to be present at this meeting.

The Cook County Florists' Association bowling league organized at Zech & Mann's store on September 11 and will open the season at Bensinger's alleys, West Randolph street, on Wednesday, September 18. Allie Zech says that the league will consist of the Orchids, Violets, Roses and Carnations.

Lawrence Mathes, formerly with Weiland & Risch, but now with L. M. McCoy, Seattle, Wash., writes that he likes the western country pretty well but was very much disappointed to read in THE AMERICAN FLORIST that the Florist Club baseball team lost the game at S. A. F. convention.

The trade is greatly pleased to hear that E. B. Washburn is recovering from his recent illness and that he is again able to indulge in his favorite pastime of playing golf. Mr. Washburn qualified last week for the championship meet which will take place shortly, but does not intend to participate.

Percy Jones started business as a corporation on September 1 and is now all through with inventory work and ready for a busy fall. H. Van Gelder says that this is Percy Jones' ninth year in the wholesale business and from present indications it promises to be a banner one.

John P. Risch of Wieland & Risch and his obliging salesman, Herman W. Rogers, have returned from a delightful trip to Ludington, Mich. Mr. Rogers was accompanied home by his family, who have been spending the summer there.

John Kruchten is supplying his customers with a fine grade of gardenias and is assured of a large supply from now on. Henry Kruchten is again back at the store after several weeks' work in his father's greenhouses.

Winterson's Seed Store received a carload of dutch bulbs this week. Edgar Winterson is back from a road trip and Adolph Benesh of the supply department left a few days ago to call on his old customers.

Fletcher James is a great baseball fan and takes in nearly every one of the games played in Des Plaines. Des Plaines has some team and only lost four of the 20 games that were played this season.

A. L. Vaughan & Co. are enjoying a good trade and are well fixed on all seasonable flowers. American Beauty roses, gladioli and asters are leaders at this store this week.

The J. B. Deamud Co. is featuring a very fine assortment of dahlias and

those of the cactus variety are exceptionally good and find a ready sale.

O. Johnson says that the Batavia Greenhouse Co. has finished planting in its new range and is now busy installing a 125 h. p. Kewanee boiler.

The A. Dietsch Co. has booked the Rosehill Cemetery Co.'s order for a palm house 25x50 feet, 2 houses 25x100, and a lean-to 14x50 feet.

Lawrence A. Martin of the Bassett & Washburn force, will soon appear in vaudeville as the American Beauty buck and wing dancer.

Miss M. C. Gunterberg has returned from a visit with relatives in Minnesota and is again attending to her duties at the store.

John Mangel always has a neatly arranged store and his beautiful window displays continue to attract a great deal of attention.

Hoerber Bros. are commencing to cut heavily in roses and so far have had no trouble in disposing of their choice stock.

Wm. F. Schofield, the enterprising North State street florist, reports a very good trade with plenty of funeral work.

Alfred Forder of Cincinnati, O., and Gustav Schmeling of Milwaukee, Wis., were in the city on business this week.

James Curran says that trade is now much better and that the outlook for fall is very encouraging.

A. Malchow, the North Clark street florist, expects to occupy his handsome new store about October 1.

Geo. A. Kuhl of Pekin was a visitor last week, returning from the north greatly improved in health.

Hans Rowoldt and E. Leslie say that trade is very good at the Kedzie Floral Co.'s store.

A prominent young grower of Des Plaines will be married soon. 'Nuff said.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

THE OPENING OF THE SEASON

finds us well supplied with a good grade of **American Beauty**, **Richmond**, **Killarney**, **White Killarney**, **My Maryland**, **Mrs. Aaron Ward** and **Sunrise** roses and all the leading varieties of **Carnations**. Extra fine stock for the local and out of town trade.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland...		

Mrs Aaron Ward {	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise..... {	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations		1 50
Harrisii	per dozen.	1 25
Valley	3 00 to 4 00	
Asters	1 00 to 2 00	
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50

Poehlmann Bros. Co. has added A. F. Longren to its force and he has already started out with a line of samples to drum up the fall trade. T. E. Waters of the supply department has made arrangements with Ove Gnatt of Hammond, Ind., to take the western agency for his latest foliage American oak sprays and Otto W. Frese is busy corresponding with his cut flower customers.

Henry Wittbold arranged the floral decorations at the Thompson home in Lake Forest this week, where the Baldwin-Poole wedding occurred. The decorations were very elaborate, a large quantity of cut flowers and greens were used, and it was one of the largest wedding orders that Mr. Wittbold has filled for some time.

Joseph Foerster says that trade at Kyle & Foerster's store on Saturday, September 7, was very good and that American Beauty roses in the longer grades sold well. F. F. Benthley, the old reliable salesman at this establishment, is slightly under the weather but is on the job as usual.

A large number of friends and acquaintances in the trade attended the Fogarty-Tonner wedding at St. Mary's Church last Wednesday, September 11. The happy young couple have the best wishes of the trade for a safe and pleasant voyage on the matrimonial sea.

J. F. Kidwell says that trade is picking up considerably at the Chicago Flower Growers' Association's store

and that the demand for long roses is very good. The next quarterly meeting of the association will be held some time in October.

Zech & Mann are featuring a fine grade of Killarney and White Killarney roses and John Zech says that they come in handy for his shipping orders. A good supply of asters are still arriving but they are having a good sale.

Fred Lautenschlager and S. A. Jamieson have returned from Rochester, N. Y., where they attended the vegetable growers' convention. Mr. Lautenschlager says that the meeting was a grand success and was largely attended.

The Martin Grate Co. reports excellent business in its specialty, grate bars for florists' boilers, which combine durability with fuel economy and no warping or friction.

Chas. Mueller, of Wichita, Kans., who made a trip east after the convention, returned to this city September 4 and left for his home the following day.

Clifford Pruner, with E. H. Hunt, is still suffering with a lame foot and is anxiously awaiting the time when he will again be in shape to go out on the road.

Fred Price of the J. A. Budlong establishment is away on his vacation and Wm. Homberg is now doing a little extra hustling during his absence.

The Chicago Carnation Co. reports a very good demand for field-grown carnation plants and is now receiving regular shipments of roses at the store.

The next meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, September 19.

Miss Cooper, proprietress of the Auburndale Goldfish Co., has been confined to her home for a few days with a severe cold.

A. Siegel of St. Louis passed through the city this week on his way home after a ten weeks' visit at Mackinac Island.

F. O. Franzen will have his new wholesale seed catalog ready for mailing about October 15.

Anton Then is back from a few days' visit at Eastman Springs, Mich.

Louis Wittbold is recovering from a severe attack of hay fever.

The date of the state fair at Springfield is October 4-12.

E. E. Pieser returned this week from a visit in Canada.

Chicago Florists' Club.

Considering the excessive heat of the evening there was a large attendance of members of the Florists' Club at the regular meeting held at the Union Restaurant September 5, President Foley in the chair. Chairman French of the good-of-the-club committee was instructed to make arrangements for a ladies' night at an early date. Chairman Winterson of the sports commit-



Gardenias

Standing orders should be placed with us immediately.

LARGE SUPPLY

of exceptionally fine flowers, best to be obtained in the Chicago market. Write for prices. Also a full line of all other **Seasonable Flowers** and **Greens**. Let us hear from you today.

JOHN KRUCHTEN

162 N. Wabash Ave., PHONES / Central 6269. Automatic 47-259. CHICAGO

tee was given a vote of thanks for the excellent manner in which he conducted the various events during the convention at Ravinia Park. Chairman Farley of the bowling committee announced that the bowling league is in course of formation and requested all those interested to send in their names so that they may take part in the league series of games to take place this fall.

Geo. Asmus called attention to the loss and injury caused the legitimate trade by the sale of flowers at the elevated stations and a number of other speakers voiced their sentiments in the same direction with the result that a committee was appointed to see the mayor, in the matter. The committee appointed by President Foley is as follows: Geo. Asmus, chairman; Wm. Kidwell, Peter Reinberg, A. Lange, Harry Lubliner, E. F. Winterson, A. I. Simmons, John Schoepfle, M. Barker and C. H. Fisk.

A. Miller, Geo. Asmus and others spoke of the state fair to be held at Springfield October 4-12, suggesting that a special day be selected for the attendance of club members in a body. The speakers called attention to the good work which the state fair authorities are doing for floriculture and urged that they be encouraged in their efforts both by the making of exhibits and the attendance of those in the trade. The transportation committee was instructed to arrange for the trip.

C. G. Anderson, Morton Grove, was elected and L. Hrudka, 2619 Herndon street, was proposed for membership.

St. Louis.

TOO HOT FOR TRADE.

With the thermometer in the nineties business is a very difficult proposition. Carnations are not so plentiful and there has been somewhat of a demand for good asters. White chrysanthemums are in but do not seem of very good quality or much in demand. Tuberoses and Harrisii lilies are selling fairly well. Schools have opened, also theaters.

THE MULLANPHY OPENING.

Owing to a great increase of business the Mullanphy Co. has had to enlarge its quarters. They now occupy stores at 3514-20 North Grand avenue. They gave a grand opening to their friends and patrons September 6-7 with music by a select band.

Flowers were given away. Many thousands of American Beauty roses were distributed and no one went away empty handed. Nathaniel Kingsley, Wm. Seeger and Martin Seeger comprise the firm. They have been in business for five years and by direct attention and politeness to their customers have secured an immense trade. Every customer, however small or large his order, is treated on the square. The boys are the largest buyers in the wholesale market and their trade is much sought after by the wholesalers as they are very prompt in all their business transactions. Their stores are the most elegant and modern in the city. Artistic fixtures and elegant surroundings give the customer a good impression. The decorations are white enamel and gold, with a very pretty fountain as you enter. A large McCray refrigerator has been installed, 13x20 feet and 12 feet high, with French plate and mirrors of French bevel glass. Over 100 lights illuminate the store and show windows. Three automobiles and two wagons make up their delivery service. The basement was beautifully decorated by R. C. Hayes who showed a beautiful mantel decoration of Boston ferns, Whitmani, asparagus and aspidistras, designed by F. W. Delaney. There were two table decorations by Alphonse Artmann of Hanover and a beautiful corsage of lily of the valley by Miss Anna Bernhart. Some beautiful design work was shown by Miss Soffie Hoehl of Berlin. All the wholesalers and quite a number of retailers paid a visit and gave their congratulations.

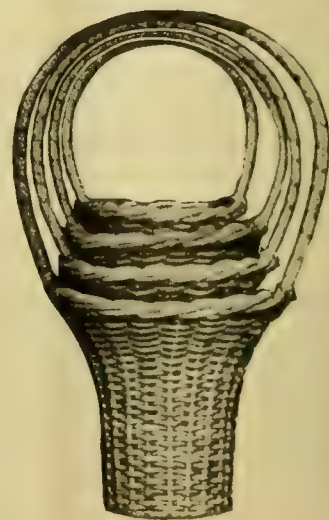
NOTES.

The new wholesale house will be opened September 16. Frank Windler and Al. Gumz are very busy getting everything in shape. Telephones are installed, flower tables are ready and all that is now needed is the flowers and the customers. These boys are hustlers and will get there.

Ostertag Bros. had the flower booth at the Coliseum "Made in St. Louis" Exhibition. They donated the flowers that are sold there for the benefit of the Post-Dispatch pure milk fund for the babies. Miss Helen Ostertag had charge of the booth and boosted sales.

Werner Bros. will start growing American Beauty roses. One carnation house is to be turned into growing white and pink Killarney. Some

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

new houses will be erected in the spring.

Miss Newmann is home again and ready for fall trade. Her store is always well stocked with choice cut flowers and latest novelties.

The Paris Floral Co. has secured a very prominent corner in the city and will shortly open up on Delmar and Kings Highway.

The Wm. C. Smith Wholesale Floral Co. is securing large supplies of

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS

Killarney
Choice Beauties
White Killarney
Lilies
Carnations
Asters
and Gladioli

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.00		
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Pearle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	
Asters.....	3.00	2.00	1.00				
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	10.00	8.00	6.00				
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Gladioli.....	6.00	4.00	3.00				
Asparagus Plumosus Sprays.....	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Summer Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

sphagnum moss and choice white asters.

"Sprinkle-proof" Sam is with us this week, also J. J. Karins of H. A. Dreer, Inc., Philadelphia, Pa.

H. G. Berning is receiving large consignments of roses from the E. G. Hill Co., Richmond, Ind.

Otto Sander is doing nicely at his new store on Delmar boulevard.

George H. Angermueller received some very choice white asters.

C. A. Kuehn is receiving some choice gladioli. W. F.

Racine, Wis.

The S. Freeman & Sons Manufacturing Co. is enjoying a very busy season and Chas. Freeman says that the order sheet shows that there are \$125,000 worth of orders yet to fill. This firm manufactures all kinds of boilers, particularly the Freeman high pressure tubular boilers for greenhouses, and to say that the latter is a success is putting it mildly. A number of these boilers have successfully heated Poehlmann Bros. Co.'s mammoth establishment at Morton Grove, Ill., for a number of years. This firm's catalogue, No. 40, will be mailed free to readers of THE AMERICAN FLORIST upon request.

M. B. Lassen is making a few improvements to his place in anticipation of a banner fall. He enjoys a good steady trade and while he says

business is quiet at present we noticed that he and Mrs. Lassen were very busy with funeral work at the time of our visit. Mrs. Lassen is a very agreeable person and is a general favorite with her many customers.

Clark Adams is very proud of his Garland truss iron frame house, 42x80 feet, and says that it is one of the finest houses he has ever seen. Mr. Adams does a large bedding plant business and the sales the past season were very satisfactory. A patch of dahlias in all the favorite varieties in bloom here is attracting the attention of the public.

L. T. Moore, superintendent of the Mound Cemetery, is to be congratulated upon his splendid work and the carefully kept burial ground shows that he thoroughly understands his business. Soren Olson is superintendent of the greenhouse and an inspection of the stock found it to be in a very good condition.

R. E. Miller, proprietor of the Racine Floral Co., has purchased the store that he is occupying and is planning on making extensive improvements. Mr. Miller does a very large business and is ably assisted at the store by his wife, who is a very efficient saleslady and designer.

The carnations have all been planted at the Asylum Avenue Greenhouses and the proprietor is now cutting from a splendid crop of Golden Glow chrysanthemums. This is the largest range

of glass in the city and is in a very fine condition.

John Bourgaize, proprietor of the North Side Greenhouse, is having his share of the local trade and is building up a very good business.

Mrs. J. T. Hinchliffe is enjoying a good trade and says that this summer's business averaged about the same as last year.

J. Benstead has been working at the Asylum Avenue Greenhouse the past few weeks.

Davenport, Ia.

BUSINESS CONTINUES DULL.

Business has been rather dull for the past two weeks. Asters and gladioli can be found in nearly every garden. Gardeners take along a few hundred asters with their vegetables and sell them as low as 10 cents per dozen. Outdoor flowers that cannot be watered every day are very poor, owing to three weeks of dry weather with the glass around 92° the greater part of the time. Roses are improving and some carnations are coming in, as are some 'mums, but there is very little call for anything just at present. Cosmos are also being shown and help to make a variety.

TRI-CITY CLUB MEETING.

The florists of the tri-cities held their regular monthly meeting on the afternoon and evening of Sept. 5 at the Deere and Butterworth estates at

"The Busiest House in Chicago"

WE FLOWER THE WEST

Can supply you with everything seasonable in cut flowers. Particularly **Roses, Asters, Gladioli, Carnations, Dahlias, Wild Smilax and Greens** of all kinds.

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, Asters, Gladioli and Greens of all kinds.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Moline, Ill. They were the guests of A. Anderson, superintendent at Deere's and ——— Sorensen, superintendent at Butterworth's. The members were shown through the Deere grounds and greenhouses and saw many things of interest. Mr. Anderson's seedling carnations are looking fine for this time of the year. The bedding, borders, shrubs, etc., were at their very best and the club members spent some two hours going over the place. Several large carpet bedding examples were exceptionally fine and received the praise of every one, as did also a bed of very fine geraniums.

After being served with refreshments the members were taken over the Butterworth estate. This place is laid out in the old English style with a stone fence around it and screened from the public by shrubbery, vines, trees, etc. An old-fashioned flower garden containing the flowers our mothers loved so well is one of the chief attractions. The meeting proper was held after the place had received a good inspection.

After routine matters were disposed of the club adjourned to the home of Mr. Sorensen, where a fine hot supper was in waiting.

NOTES.

Ludwig Stapp will entertain the club members at his home on the second Thursday in October. A representative of a Chicago cement firm will give an illustrated lecture on cement products and the uses of cement around the greenhouse.

R. M. C. Rohlfis, proprietor of the Alta Vista Nurseries, took in the convention and later made a trip to St. Paul and through Wisconsin. He reports a fine trip.

Miss Woltman is having her store repainted and repapered. Also a new front is being built, making her store one of the finest in town.

H. Koopman has leased the two greenhouses on North Brady street from J. W. Davis and will conduct a retail establishment.

Forber & Bird have just put in a new store front, which improves their place of business wonderfully. T. E.

Toronto, Ont.

TRADE BRISK AGAIN.

This city is again enjoying good business and the summer lull is a thing of the past. The visit of the Duke and Duchess of Connaught created a demand for flowers that were at times hard to get and the local wholesalers were cleaned out. The opening of the Industrial Exhibition also called for a large number of plants and flowers and with the daily banquet and the bouquets presented the work was well scattered. The warm weather has been hard on the new rose crop but they are coming along nicely. Ed. Mawley, the new red, is a great favorite, being much better than Richmond at this season. Yellow roses are having quite a run but American Beauties are the old favorite and hard to beat. Carnations are again coming in from the young plants, but are on the small side as yet. Chrysanthemums, both yellow and white, are fairly plentiful and meet with ready sale. The first violets are with us and a full line will soon be on the market.

INDUSTRIAL EXHIBITION.

The arrangement of the large groups was again the leading feature of the exhibition in the Horticulture Build-

ing and the displays were a credit to the exhibitors—McVittie, gardener for Sir Henry Pellat, took first prize with a collection of plants and orchids so well arranged that it would be hard to beat. Central Prison was second and Reservoir Park third, while Thos. Manton was fourth. The retailers' section was sadly neglected and the new policy of no prize money did not appeal to the usual exhibitors. H. G. Dilleuth, E. Grainger & Co., Thos. Manton and S. A. Frost were the only ones who realized that there were good advertising possibilities in the 970,000 attendance. The parks department put up good groups not for competition and great improvement was seen in the quality of the stock; the arrangement was well carried out and the new commissioner is certainly working wonders. The gladiolus section was well looked after by A. Gilchrist of West Toronto and Campbell Bros. of Simcoe, Ont. A. Gilchrist was awarded the gold medal and was also given permission by the duke to name one of the seedlings Patricia in honor of the duke's daughter.

NOTES.

Visitors: Wm. Hall and wife, Montreal; Chas. A. Smith, Lachine; H. L. Jansen, Berlin; Wm. Gammage, London; A. Fraser and son, Prescott, U. S. A.; H. B. Jones, Cleveland, O. Dan McRorie and A. J. Rossi, San Francisco, Calif.; Emil Schloss, New York.

R. Jennings has sent in some blooms of a yellow sport of Smith's Advance which were well liked. Their strength of stem make them preferable to Golden Glow.

The new houses now in course of construction are being held up for glass, which is causing considerable inconvenience. H. G. D.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

WEILAND & RISCH

Wholesale Growers and Shippers

CUT FLOWERS

154 N. Wabash Ave.

Phone Central 8:9 : : CHICAGO

Montreal.

TRADE AGAIN ACTIVE.

Conditions have improved lately. The weather is fine, people are coming back, schools have reopened and trade begins to be active again. As-ters have been very good this season and at times there was a glut, but they will probably be scarce from now on, for the late heavy rains have caused the "yellows" or blight to appear badly. Sweet peas in heavy and well manured ground were a failure this year, while those on light or well drained ground are all right yet. The old fashioned varieties have come out away ahead of the newer or Spencer types. The Spencer varieties made a very good showing in the beginning of the season, but after ten days' heat we got a drop in temperature during a rainy spell which made them drop the buds, from which they never recovered, while the old varieties came out fine and are in full bloom yet and of good quality. Roses are scarce but good. Carnations we have not seen for months.

CLUB MEETING.

At the monthly meeting of the Montreal Gardeners and Florists' Club there was quite an exhibition in the club rooms. W. H. Horobin exhibited a large bunch of *Osmunda cinemom* fiber, which many of those present never had seen before. It was sent by T. Martin from Eglinton, Ont. Another exhibit of much interest was a *Ficus Repens* in the seed pod. This could not be recognized by the best experts as being *Ficus Repens*, but the exhibitor's word goes without question. There were also some magnificent sweet peas and *salpiglossis* by J. Phillips from Verdun. The essay on "Roses" was postponed till the next meeting and G. A. Robinson was called upon to tell his experiences at the S. A. F. convention in Chicago. This George did and for nearly an hour the meeting was entertained in fine style. The trip to Pochmann's was an eye-opener to all. The Chicago parks left a lasting impression, especially the conservatory in Garfield and the boulevards and driveways. A party of Canadians also visited Jack Johnson, the heavyweight champion. They were well armed with a letter of introduction from J. Flanagan.

L.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE

Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 11.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 39-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	Per 100
" Killarney.....	4 00@ 8 00
" White Killarney.....	3 00@ 10 00
" Richmond.....	3 00@ 10 00
" Prince de Bulgarie.....	3 00@ 10 00
" Radiance.....	3 00@ 10 00
" Mrs. Aaron Ward.....	3 00@ 10 00
" My Maryland.....	3 00@ 10 00
" Melody.....	3 00@ 10 00
" Bride.....	3 00@ 10 00
" Bridesmaid.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Kaiserin Augusta Victoria..	3 00@ 10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, doz., 2 00@ 3 00	
Asters.....	1 00@ 4 00
Orchids Dendrobium, per doz., 6 00	
Daisies.....	75
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Lilium Harrisii..... per doz., 1 50	8 00@ 10 00
Stocks fancy..... per doz., 50@ 1 00	
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000.	1 50
Galax.....	1 25
Leucothoe.....	75
Plumosa String..... each.	60
Smilax..... per doz., 1 50@ 2 00	
Sprengerii, Plumosa Sprays.....	3 00@ 4 00

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

G. e. n. houses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

CC. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Nashville, Tenn.

REVIVAL OF TRADE EXPECTED.

For the last ten days or two weeks the weather has been insufferably hot and all classes of business have been quiet in consequence. The flower trade is about as usual at this time of the year, funeral work causing what little activity there is, but the schools will be opening now and a brisk revival may soon be expected. The quality and quantity of flowers has been unusually good, especially in roses and asters. There has been an abundance of Harrisii lilies all the season. The new carnations are coming on nicely and will be ready for the fall demand.

NOTES.

The Joy Floral Co. are still having very good American Beauty and other roses. Their flowers of every kind are better than usual for the season. Already they have had a window display of yellow chrysanthemums, which is very early for the season. Their trade has been good throughout the summer. Thomas H. Joy did not attend the florists' convention, as he expected, but his rose grower, R. Smith, went instead. Mr. Smith found it both pleasant and instructive and returned full of enthusiasm.

McIntyre Bros. are going right ahead with their West End store and are now extending the former residence out to the street to give them more room for storage. In the rear, where they have plenty of space, they intend to build greenhouses for decorative and growing plants. They expect to be ready for business by October 1 and in the meantime they are still having a good trade from their greenhouses on the Hillsboro road.

Geny Bros. have had fine Harrisii lilies all summer and these have gone a long way in making handsome floral bunches and designs for funerals. They had fine asters but these are done now and there will be no more. Their roses are in fine condition and promise well for the winter.

The opening of our state fair brings in many visitors but as no premiums are offered of sufficient interest to the florists there will be no display by any of them, but there may be some amateur exhibits, which are generally very good.

L. Haury & Sons have had a good supply of flowers and have done a fairly good business through the season. They have had a nice lot of cheneille plants that have sold well, being very useful for window decoration.

The window displays at this time of year are confined to a few ferns and a blossom or two scattered here and there, but the heat precludes anything very elaborate or very beautiful.

M. C. D.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Sept. 11.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Carnations.....	2 00@ 3 00
Asters.....	1 00@ 2 00
Gladioli.....	1 00@ 3 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	25 50
Swainsona.....per bunch,	25
Asparagus.....per string,	50
" Sprenger, per bunch,	25
Ferns, Fancy.....per 1000,	1 50
Galax.....per 1000,	1 50
Smilax.....per doz.,	1 50

PITTSBURGH, Sept. 11.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	3 00@ 4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprenger, per bunch,	35@40
Sprays.....per bunch,	35@40

PHILADELPHIA, Sept. 11.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Liberty.....	3 00@ 8 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., 1 50@2 00	
Dahlias.....	2 00@ 4 00
Gardenias.....per doz., 1 00@2 00	
Gladioli.....	2 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 4 00
Marxerites.....	75@ 1 00
Snaptaxons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch,	50
Smilax.....	15 00@20 00

AURORA, ILL.—W. B. Davis & Co., greenhouse vegetable growers, will erect more hothouses.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO

Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.
Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Wholesale Flower Markets

St. Louis, Sept. 11.	Per 100.
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	3 00@ 5 00
" White Killarney.....	2 00@ 6 00
Asters.....	2 00@ 4 00
Easter Lilies.....	8 00@10 00
Gladiolus.....	2 00@ 3 00
Valley.....	3 00@ 4 00
Asparagus Sprengerii.....	2 00@ 3 00
Asparagus Plumosus, per bu., 35@60,	
Ferns, New, Fancy.....	1 50
Lilium Rubrum.....	5 00@ 6 00

CINCINNATI, Sept. 11.	
Roses, Beauty.....per doz., 50@ 3 00	
" Bride, Bridesmaid.....	2 00@ 8 00
" Killarney.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Taft.....	2 00@ 8 00
Asters.....	1 00@ 3 00
Lilium Auratum.....	8 00@12 50
Lilium Giganteum.....	8 00@10 00
Gladioli.....	2 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengerii.....per bunch,	25

The Only Florist Supply House in the Southwest

Write for Catalog on **Bulbs and Florists' Supplies.**

BARTELDES SEED COMPANY,
Dept. A, OKLAHOMA CITY, OKLA.

Wholesale Flower Markets

BUFFALO, Sept. 11.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
Maid and Bride.....	3 00@ 6 00
Pink Killarney.....	3 00@ 6 00
White Killarney.....	3 00@ 6 00
Richmond.....	3 00@ 8 00
My Maryland.....	3 00@ 6 00
Kaiserin.....	3 00@ 8 00
Carnot.....	3 00@ 7 00
Cornflowers.....per bu., 5	
Asters.....	50@ 1 50
Gladioli.....	1 00@ 3 00
Lilium Longiflorum.....	7 00@10 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Snappdragons.....	1 00@ 1 50
Swainsona.....	50@ 1 50
Sweet Peas.....per bu., 4@6c	
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengerii.....	35@ 50
Ferns.....per 100, \$1 50	
Galax.....per 1000, \$1 50	
Smilax.....	15 00

BOSTON, Sept. 11.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	50@ 1 00
" " Bride, Bridesmaid.....	50@ 6 00
" " Extra.....	1 00@ 6 00
" " Killarney and Richmond.....	1 00@ 8 00
" " My Maryland.....	2 00@ 8 00
" " Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 2 00
Callas.....	8 00@12 00
Cattleyas.....	50 00@60 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	25@ 35
Smilax.....	12 00@16 00

ST. PAUL, MINN.—Holm & Olson won first prize for table decorations and also in eighteen of the professional contests in decorative and blooming plants at the recent state fair.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

New York.

WHOLESALE MARKET DEMORALIZED.

The wholesale cut flower market could not be in a more demoralized condition than it is at present. There are enormous quantities of all seasonable flowers accumulating. Much of this stock it is impossible to dispose of at any price. There are a few exceptions such as carnations and orchids. Carnations are in very light supply and while they still are short stemmed, prices realized are very fair. There are no orchids to speak of and any price asked is obtained. Several dealers are now receiving white chrysanthemums. The yellow chrysanthemum "Golden Glow" which has been much in evidence, meets with very poor sales. The new crops of roses are improving in quality each day but as they are still so very short stemmed they still have to be disposed of in bulk. The quality of American Beauties is very good and while it is true a few of the very best of these sell at very fair prices the balance have to be disposed of with the general shipments of roses at very low prices. There is the usual supply of valley and lilies. These perhaps are selling as well as anything.

NOTES.

Chairman Chas. H. Totty of the National Flower Show committee is a daily visitor, working out the details of the great National Flower Show. The final schedule is in course of preparation and will be sent out shortly. A great interest is being taken in the official programme and at this early date several large blocks of space have been reserved on the main and second floors for trade exhibits.

Joseph Trepel, who has several successful flower stores in Brooklyn, has added one more to the list at 805 Manhattan avenue, near the Greenpoint Ferry. The opening took place Saturday on which occasion he provided an elaborate spread in the evening. Many of the prominent wholesalers were present.

The well known Bridgeman seed house, for the past six years controlled by the Rickards Bros., is now closed. Al. Rickards has resumed his old position with Stumpp & Walters and Wm. C. Rickards will make his headquarters with Young & Nugent, where a seed and bulb department will be maintained.

It is expected that there will be a large party of visitors from New York attending the meeting of the New York State Federation of Floral Clubs in the Horticultural Building at Syracuse, New York, Thursday, September 12, at the time of the state fair.

During the week Sidney Hoffman of Boston was a very heavy buyer in the market, buying up more than 3,000 Beauties as well as enormous quantities of other flowers which he used on the occasion of the opening of a department store in Boston.

The Bedford Flower Co. of Bedford Hills, N. Y., has commenced to ship roses of very good quality to Moore, Hentz & Nash. This place is now in splendid shape, and the outlook is for very good results the coming season.

Wm. P. Ford is now all settled in the new store at 107 W. Twenty-eighth street. Mr. Ford has gone to a great deal of expense in making this one of the best equipped wholesale businesses in the city.

The New York Flower Auction Co. will open for business Tuesday, September 10, 1912, at 146-148 W. Twenty-eighth street. John P. Cleary, well known in plant circles, will be the auctioneer.

Wm. B. Marshall & Co. have taken larger quarters at 126 W. Twenty-third street, where they will have am-

ple room to take care of their business.

A. L. Young & Co. are receiving a full line of the newer roses from J. A. Budlong & Sons, Auburn, R. I.

President Richard Vincent, Jr., of the S. A. F., attended the meeting of the club Monday, September 9.

Recent visitors: Sidney Hoffman, Boston, Mass.; J. Michelson, Chicago, Ill.; A. Wienhoeber, Chicago, Ill.

Henry C. Reidel has returned from an extensive trip made through Canada.

San Francisco.

TRADE OUTLOOK FAVORABLE.

Business continues to improve and a good fall trade seems assured. Flowering plants are still scarce; a few small primulas are about all that is offered. Bostons have sold quite well and there have been desultory sales of asparagus, adiantum and Kentias. Mums and violets are becoming more plentiful daily; orchids are very scarce, not by any means enough to fill orders; valley has advanced in price; liliun roseum is plentiful and the stock excellent, a limited amount of giganteum being available. With the exception of American Beauties, roses are improving in quality but more so in price. Ulrich Bruner leads. Carnations are getting better; a few asters and sweet peas are coming in yet, but sultans, coreopsis and other outdoor stuff are plentiful. Prevailing prices are: American Beauties and Ulrich Bruner, \$1.50 a dozen for best; Killarneys, Richmond, Maryland and a few Kaiserin, 50 cents a dozen, some for less; carnations average 20 cents a dozen, lilies \$1.50 a dozen stems, a few specials bringing \$2; mums are \$1.50 a dozen for the best grade, down to 75 cents; valleys have risen to 50 cents a dozen, and violets move readily at 75 cents a dozen bunches.

ANNUAL PICNIC.

Last Sunday the flower shops were all closed to enable the florists and their help to attend the annual picnic of the Pacific Coast Horticultural Society which was held in Scheutzen Park near San Rafael. The members with their families and florist friends congregated to the number of 400 and proceeded to thoroughly enjoy the outing. A brass band furnished music in the spacious pavilion for the dancers who thronged the floor the greater part of the day. On the racetrack a varied program of athletic events was carried out. Races for the young and old, races for the lean and fat, girls' races, shoe races and last but not least important, the tug-of-war between the florists and growers. That the rivalry was genuine was shown by the stubborn pull put up by both sides. For fully five minutes after the signal was flashed neither side gained an inch, then the growers with a concerted effort gained 8 inches; for several minutes the florists gamely held their own until, contesting every inch, they were finally pulled over the mark by the brawny growers amidst the shouting of the excited onlookers. Frank D. Pelicano captained the Florist team and the Growers team was directed by P. Ferrari. The day was ideal and not an accident occurred to mar the pleasure of the happy and harmonious party of picnickers. To Vincent Matraia much credit is given for the perfection of the arrangements which added so materially to the pleasure of all.

NOTES.

The windows of J. B. Boland Co. attracted much attention last week with a display of select Ulrich Bruner and White Killarney roses arranged with excellent taste in large baskets decorated with appropriate ribbon. The store force is augmented by the

return of Walter Champreux who left some months ago on account of poor health. Walter comes back entirely recuperated.

Among other mums, Henry Maier is sending in some nice Wm. Duckham. Having a large stock of well grown plants to cut from, this Burlingame nursery will be an important factor in the supplying of mums to the local market.

H. Plath has just arrived from the convention of the S. A. F. and in view of the encouraging action taken by that body in regard to 1915, all are particularly anxious to hear his report to the local society. T.

Albany, N. Y.

CLUB MEETING.

Members of the Albany Florists' club to the number of about forty were present at the September meeting which was held on the evening of the fifth at the establishment of the president, F. A. Danker, 744 Central avenue. A partial report on the clam-bake held at the Abbey, Glenmont, August 24, was submitted. The report showed that a balance of \$2 remained after the payment of all expenses with a number of tickets still out and to be reported upon. It was decided on account of the lateness of the season not to take part this year in entering exhibits at the Glenmont fair, but to make an effort next year in that direction. One proposal was presented to be acted upon at the October meeting. The club accepted the invitation of James H. Snyder, secretary of the Violet Growers' Mutual Protective Association, to pay him a visit at Rhinebeck on the afternoon of September 19 and the entertainment committee was instructed to look after the arrangements.

Lord & Burnham, New York, are building a conservatory 20 feet by 50 feet in the rear of Whittle Brothers' store, 52 North Pearl street. The conservatory will be an adjunct to the store and a decided attraction. The firm is engaged also in making some extensive alterations to the front and also the interior. When finished this fall the place will be one of the finest retail establishments in the state.

John T. Travison, florist, 337 South Pearl street, was recently declared the winner in a voting contest held by the Times-Union, a local newspaper, in connection with a fair held for the benefit of St. Anthony's Italian church. Mr. Travison received 150,000 votes. The award brings with it a free trip to Europe and return.

William C. Gloeckner, retail florist, 97 State street, has been elected president of the Boosters' Club, made up of members of the Albany Chamber of Commerce who attended the convention of the Atlantic Deeper Waterway Association at New London, Conn. The club of about 100 went to advocate strongly the deepening of the upper Hudson. It was through Mr. Gloeckner's energy and persistence that enough members were obtained to make a delegation of 100 to attend the convention which was held September 4-5. The Boosters at their organization presented Mr. Gloeckner with a pair of gold cuff buttons, diamond studded. R. D.

Wheeling, W. Va.

Among the market florists, John Hellstern is a veteran and always shows a variety of stock. He has a considerable glass area at Spring Valley.

Several Ohio florists also have market stands here, among them being G. L. Greiner of Bridgeport, A. Keker & Sons of Martin's Ferry and A. Starbuck of Colerain.

The sympathy of the trade is with Mrs. Louis Laupp whose father was buried on September 7.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

Charles Millang

WHOLESALE FLORIST

55 and 57 West 26th St., NEW YORK.
Telephones: 7062-7063 Madison.**Traendly & Schenck,**

WHOLESALE FLORISTS,

181 & 183 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1864
1865 Madison Sq.

Consignments Solicited.

N. Y. Cut Flower ExchangeGoogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
ceas Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.

Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

WILLIAM H. KUEBLER

Wholesale Commission Dealer in

CUT FLOWERS

28 Willoughby Street,

Tel. 4591 Main.

BROOKLYN, N. Y.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328, 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.**AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago****Wholesale Flower Markets**

NEW YORK Sept. 11.	Per 100
Roses, Beauty, special.....	5 00@ 20 00
" extra and fancy.....	4 00@ 5 00
" No. 1 and No. 2.....	1 00@ 4 00
" Bride, Bridesmaid.....	2 00@ 3 00
" extra and fancy.....	50@ 2 01
" No. 1 and No. 2.....	2 00@ 3 00
" Killarney, My Maryland.....	1 00@ 2 00
" extra and fancy.....	15@ 25
" No. 1 and No. 2.....	50@ 5 00
" Taft, Hillingdon, Aaron.....	50@ 2 00
" Ward.....	50@ 1 00
" Richmond.....	50@ 1 00
Asters.....	50@ 1 00
Carnations.....	20 00@ 50 00
Cattleyas.....	8 00@ 15 00
Gardenias.....	3 00@ 5 00
Lilies, Longiflorum and Harrisii.....	1 00@ 3 00
Lily of the Valley.....	15@ 25
Adiantum Croweanum.....	

These quotations are only for small lots, as the
market is flooded with stock of all kinds, and
prices realized will hardly pay express charges.**M. C. FORD**

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
shippers of

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

1888 1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.



The Point is this:

It means a big saving to you to buy the quality of **Boxwood Sprays** that you can use every bit of.

It means a big loss to you when you pay for heavy wood.

We feel in position to recommend to the purchaser our **Boxwood Sprays** for good value in weight and quantity.

We guarantee the quality; can't do any more.

Price 50 lb. case \$7.50.

Special price on quantity orders. We use "**Express Savings**" shipping cases.

We ship successfully to all points of the United States and Canada. Season open October 1, 1912.

Pittsburgh Cut Flower Company

Introducers of FINE BOXWOOD SPRAYS
Salesrooms and General Offices
121 SEVENTH STREET

Wholesale Growers of CUT FLOWERS
PITTSBURGH, PA.

THE BOOK OF GLADIOLUS



THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

We Are Now Booking Orders for
Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**
E. A. BEAVEN, Evergreen, Ala.

Always mention The American Florist when you order stock. : : :



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze. Basket, \$2.25; 6 baskets, \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON, Louisville, Ala.

Mention the American Florist when writing

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of quality and quantity.

E. FRIEDL, Phillips, Wis.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone.

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heidl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

September 18.

Insitania, Cunard.

President Grant, Ham.-Amer., 11 a. m.

Alice, Austro-Amer., 1 p. m.

September 19.

Saxonia, Cunard.

Adriatic, White Star, 12 noon.

Friedrich der Grosse, North Ger. Lloyd, 10

a. m., Bremen Piers.

Voltaire, Lamport & Holt, 10:30 a. m.

Amerika, Ham.-Amer., 12 noon.

September 20.

FROM MONTREAL, Tunisian, Allan.

FROM QUEBEC, Empress of Britain, Can. Pac.,

3 p. m.

September 21.

FROM MONTREAL AND QUEBEC, Pretorian,

Allan.

Caledonia, Anchor, 2 p. m., Pier 64, North

River.

St. Paul, American, 9:30 a. m., Pier 62, North

River.

FROM PHILADELPHIA, Haverford, American,

10 a. m.

Vaderland, Red Star, 10 a. m., Pier 61, North

River.

FROM MONTREAL, White Star-Dom., at day-

light.

Prinz Friedrich Wilhelm, North Ger. Lloyd, 10

a. m., Bremen Piers.

Russia, Russian-American, 2 p. m.

Hamburg, Ham.-Amer., 2 p. m.

Koenig Albert, North Ger. Lloyd, 11 a. m.

September 22.

FROM MONTREAL, Lake Erie, Allan.

September 24.

Potsdam, Holland-America, 10 a. m.

Kaiser Wilhelm II., North Ger. Lloyd, 10 a. m.

September 25.

Cincinnati, Ham.-Amer., 10 a. m.

September 26.

FROM MONTREAL AND QUEBEC, Lake

Champlain, Can. Pac., at daybreak.

Campanello, Uranium.

Baltic, White Star, 12 noon.

September 27.

FROM PHILADELPHIA, Marquette, Red Star,

10 a. m.

September 28.

Columbia, Anchor, 10 a. m., Pier 64, North

River.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.
Kansas City and
Pleasant Hill, Mo.

Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gifts
that may be entrusted to them.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, **DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. E. Co., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. O., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.
Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

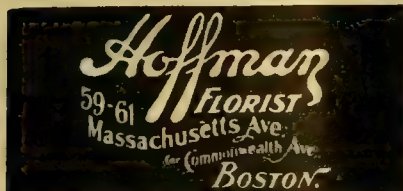
THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York, Max Schilling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Ziegler Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sta., N. W.
Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST 609-611 Madison Ave
Phone 5297 Plaza.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, — 838 —
CANAL ST.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Washington.

CLUB PICNIC.

The Florists' Club gave an old-fashioned picnic at Potomac Heights September 5. The results of the contests follow: Flag race, boys under 12—Lawrence Barry, first; Herbert Galton, second. Flag race, girls under 12—Gales Johnson, first; Agnes Barry, second. 25-yard dash, boys under 12—Lawrence Barry, first; Hiram Kimmel, second. 20-yard dash, girls under 12—Agnes Barry, first; Pearl Min-12—Herbert Bursly, first; Hiram Kimmel, second. 50-yard dash, girls over 12—Edith Sauer, first; Blanch Sauer, second; Augusta Macken, third. 50-yard dash, open to all—George Byers, first; Milton Redmond, second. 100-yard dash, for florists only—George Dalglish, first. 100-yard dash, open to all—Samuel Everett, first; George Byers, second. Three-legged race—Kimmel and Galton, first. Sack race—Samuel Everett, first; Herbert Bursly, second. Quoits—George Shaffer, first; Robert Ball, second. Married ladies' race—Mrs. George Hess, first; Mrs. E. C. Maybury, second; Mrs. George Shaffer, third. Basket ball, single ladies—Miss Klug, first; Miss O. Shindler, second; Miss Minder, third. Steamer quoits for ladies—Miss Sommer, first; Miss Barry, second; Miss Lott, third.

NOTES.

Geo. Shaffer reports business very good. He had the decorating for the wedding of Miss Emily Sprightley and Prof. Karl T. Waugh, of Beloit College, Beloit, Wis. The decoration consisted of palms, white dahlias and golden rod.

Mrs. R. Hoopes has returned home after a pleasant summer at Piney Point. G. C. D.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

WITTBOLD'S

New Display Rooms. 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones: — Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsteriana—Made up					
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	36.....	\$ 2 50	\$30 00
3-in.	5	12.....		2 00	7-in.	4	36 to 40.....	3 00	36 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	40 to 42.....	4 00	48 00
5-in.	6 to 7	18.....	50	6 00	9-in.	4	42 to 48.....	5 00	60 00
6-in.	6 to 7	24.....	1 00	12 00	9-in.	4	48 to 54.....	6 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	28 to 30.....	1 50	18 00	12-in.	4	5½ to 6½ ft.....	15 00	
Cedar tub Leaves				Doz.	Phoenix Roebelenii				
7-in.	6 to 7	34 to 36.....	2 50	30 00	Pot				Each
9-in.	6 to 7	40 to 45.....	4 00	48 00	5-in., nicely characterized.....				\$1 00
9-in.	6 to 7	42 to 48.....	5 00		6-in., 18 to 20-in. spread.....				1 50
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	High	Spread	Each	
9-in.	6 to 7	5 ft.....	8 00		7-in.	18-in.	24-in.	\$2 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		Cedar tub	Spread	Cibotium Schlegelii	Each	
Cocos Weddelliana				Per 100	7-in.	2 to 2½ feet.....		\$2 00	
Pot	In. high				9-in.	4 feet.....		4 00	
2½-in.	8 to 10.....		\$10 00		9-in.	5 feet.....		5 00	
Areca Lutescens					9-in.	6 feet.....		6 00	
9 in.	Several	5 ft.....	\$7 50						

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO., **Wyncote, Pa.** Railway Station, Jenkintown.

Geraniums

Rooted cuttings of **S. A. Nutt.** and **Ricard** at \$10.00 per 1000; **Poltevine** at \$12.50 per 000. These prices hold good only until Oct. 1st.

Smilax

Well hardened stock at \$12.50 per 1000.

German Iris

A fine lot of mixed roots at \$1.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon	7 00	60 00
Beacon	6 00	50 00
May Day	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

ASPARAGUS

	Per 100	Per 1000
3-inch Asparagus Plumosus.....	\$3.00	\$25.00
3-inch Asparagus Sprengeri.....	3.00	25.00
1-year-old Asparagus Plumosus for bench.....	2.00	18 00
Strong 2 in. Smilax plants.....	2.00	18.00

GEORGE REINBERG,
162 N. Wabash Ave. CHICAGO

CARNATIONS

Last Call for Field Grown Plants
Hence Reduction in Prices.

We have a choice surplus left, which, we guarantee, you will find **A1** value.

	Per 100	Per 1000
Washington -	\$5.00	\$45.00
Pink Enchantress	5.00	45.00
Victory -	5.00	45.00

J. A. BUDLONG

82-84-86 E. Randolph St. CHICAGO, ILL.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Mention the American Florist when writing

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA.

Mention the American Florist when writing

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

VISITED CHICAGO: A. J. Brown,
Grand Rapids, Mich.; J. G. Peppard,
Jr., Kansas City, Mo.

GRAND FORK, N. D.—F. W. Merrill
has moved here to be associated with
the O. J. Barnes Co. in the seed trade.

CHICAGO.—Prices on the Board of
Trade September 11, for grass seed
were noted as follows: Timothy, \$3.75
to \$4.75 per 100 pounds.

ROGER BROS., Alpena, Mich., say they
are having an unusual amount of wet
weather, which has made it very difficult
to gather peas in good condition.

TEXAS onion growers who buy Ten-
eriffe seed are required to place their
orders now for 1913 with their asso-
ciation manager and advance 25 cents
per pound.

WATERLOO, IA.—The Galloway Bros.-
Bowman Co. has purchased property
adjoining that it already owns and
will erect a three-story cement seed
store house.

NORTHERN France growers of *Lilium
candidum* report from one-seventh to
one-tenth of a crop. The bulbs have
matured so poorly that some growers
have declined to lift them.

CHAMPAIGN, ILL.—The Champaign
Seed Co. is erecting a new two-story
building, 22x100 feet. The first floor
will be occupied by the retail and the
second by the wholesale department.

LESTER L. MORSE, who spent the day
in Chicago September 6, returning
from Europe, confirms reports of serious
rains all over Europe and expects
sweet peas will sell at double last
year's prices.

NURSERYMEN and others who desire
a permit to import nursery stock under
the new quarantine law, which
goes into effect October 1, should address
the Federal Horticultural Board,
Department of Agriculture, Wash-
ington, D. C.

A REPORT from an American consul in
China states that a person in his dis-
trict invites American dealers in seeds
and bulbs to correspond with him in re-
gard to establishing agency connections
in the United States for the sale of
Chinese lily (*narcissus*) bulbs.—Daily
Consular and Trade Reports.

THE issue of August 30 of the Tri-
bune of La Crosse, Wis., contains an
interesting article on the John A. Salzer
Seed Co. of that place. The Salzer
firm is one of the country's most enter-
prising seed houses and the build-
ings occupy a solid block. The com-
pany enjoys a large export as well as
domestic trade.

Gladioli in Holland.

Regarding the sale of gladioli in
Holland a prominent grower there
writes: "Lately there has been in Hol-
land a sort of mania for new gladioli.
It did not, however, last very long.
Some considerable lots of young stock
were offered at auction sales and
prices went down and we fear the
gladiolus rage is over now."

California Seed Growers' Association, Inc.

J. W. Edmundson and M. W. Wil-
liams announce the formation of the
California Seed Growers' Association,
Inc., with J. W. Edmundson as vice-
president and manager and M. W.
Williams as secretary and treasurer.
The company will engage in the grow-
ing of garden seeds for wholesale deal-
ers and will be open for business at
their offices in the First National Bank
building, San Jose, Calif., after Sep-
tember 3.

Rickards Brothers Fail.

William C. Rickards, Jr., and Al-
fred J. Rickards, doing business under
the firm name of Bridgeman's Seed
Warehouse, Rickards Bros., proprie-
tors, at 37 East Nineteenth street,
New York, have filed a petition in
bankruptcy, with liabilities \$21,194 and
assets \$1,381, consisting of accounts
\$1,134 and bulbs in storage \$247. The
stock was sold by a city marshal
September 3 and on September 4 the
fixtures were sold under foreclosure
of a chattel mortgage held by Mary
A. Hurlmann for \$4,000. There are
130 creditors. The business was es-
tablished in 1840 by A. Bridgeman &
Son and Rickards Bros. succeeded to
it in August, 1906.

Nebraska Seed Crops.

Waterloo, September 7.—We have a
few shortages and failures but ex-
pect to fill our vine seed orders nearly
100 per cent, with moderate surplus
yields on some standard kinds. We
estimate the total yield of cucumber
and melons, with Nebraska growers,
at 50 to 60 per cent of last year's crop,
the acreage being smaller and the av-
erage yield lighter. Squash and pump-
kin acreage equal to last season but
crops set light and will give but mod-
erate returns. There is a good deal
of late corn in the country and we
need all of this month without killing
frost. Weather warm and unsettled,
with frequent showers.

Fremont, September 7.—We have
not received complete reports from our
growers for the month of August, but
the conditions are generally quite fav-
orable and we look for fair crops of
corn if frost holds off long enough for
it to become fully matured. We also
expect to make good deliveries of most

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

varieties of vine seeds, but there are
a few kinds of melons, pumpkin and
squash which may be a little short.
E.

Peas and Beans.

Grand Rapids, Mich., September 5.—
While we have had very good success
with our cultivated crops of peas in
the west, grown on irrigated land,
our crops elsewhere have turned out
very poorly. This is especially true of
our crops in Ontario. Crops in Michi-
gan have turned out very badly, al-
most as bad as last year. In the state
of Wisconsin our crops are a little
better, but they are not coming up to
the early estimates.

As regards bean crops, those on
heavy lands are stunted in growth of
vine and are still in a green state.
We have had entirely too much rain
for the past six weeks and a long
spell of dry, warm weather is neces-
sary to mature the crop. Should we
have an early frost it would be very
disastrous to the bean crop. Our
crops on light soil are looking better,
but they too need sunshine and con-
siderable of it. Under these condi-
tions we can hardly look for more
than two-thirds of a crop, perhaps not
so good, while on the other hand if
we should have continued wet weather
and early frosts, there is no telling
what damage it will do. We can there-
fore only hope for continued dry
weather.
B.

Connecticut Seed Crops.

Orange, September 7.—Practically all
seed crops are now harvested, except
corn, with about the following results:
Beet is a fine crop, deliveries from 50
to 100 per cent, acreage much larger
than ever before in Connecticut, but
demand exceedingly active and prac-
tically all seed previously contracted
for. Carrot medium to fair crop only;
parsnip good; turnip and kale fair
only, practically all gone on contract
orders, little or no surplus.

Onion, under a reduced acreage is
very good. This crop not yet threshed
so that until seed is in bags, we can-
not estimate just what present crop
will show, but it should show from 75
to 100 per cent.

Sweet corn is about two weeks later
than usual and cared splendidly. With
favorable fall we believe we shall have
one of the best crops for several years.
W.

NICHOLSON, PA.—Arthur Maynard,
who recently purchased the greenhouse
owned by E. Day, has removed the
glass to his place in High street.

BELLINGHAM, WASH.—The Belling-
ham Flower Association held its an-
nual show August 30-31. City Park
Superintendent Gibson was the judge.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons

ROCHESTER, N. Y.

Direct Importations

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades.
Azaleas, Palms, Bays, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Manetti. Jap. Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE

17 Murray Street, NEW YORK

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., **CHICAGO**

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oats
Barley
Wheat

SWEDISH SPECIALTIES

Grown Under Government Control by

The General Swedish Seed Co.

SVALOEF, SWEDEN

Descriptive Pamphlet Prices
and Samples on Application.

LOECHNER & CO., 11 Warren Street
NEW YORK

Oats
Barley
Wheat

Genuine Teneriffe Onion Seed For Sale

We have a surplus of Genuine Red Bermuda Onion Seed, which we offer in original tin-lined cases at \$2.00 per pound.

CHRIS. REUTER, Seedsman,
NEW ORLEANS, La.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed... 25c
1 oz. ... \$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only,
SANTA ANA, CALIFORNIA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

The Early Advertisement Gets There.

Sow Vaughan's Giant Flowered Cyclamen Seed.

GIANT ENGLISH GROWN.

Prices, 100 seeds, \$1.00; 1,000 seeds, \$8.00 net.

Rosy Morn. Delicate rose color.	Princess May. Pale pink.
Claret base.	Mauve Queen. Mauve.
Picturatum. Light rose, tinted with claret base.	Duke of Connaught. Purplish crimson.
Grandiflora alba. The largest giant white.	Duke of Fife. Dark rose.
Excelsior. White with red base. Extra large flowers.	Salmon Queen. A very striking new color.

GIANT GERMAN GROWN.

100 seeds, 65c; 1,000 seeds, \$5.00.

Pure White (Mont Blanc).	White with Carmine Eye.
Dark Crimson.	Extra Choice Mixed. Per 100 seeds, 50c; 250 seeds, \$1.15; 1,000 seeds, \$4.50; 5,000 seeds, \$20.00.
Rosa von Marienthal, "Daybreak Pink."	
Dark Rose.	

GIANT ORCHID-FLOWERED.

Price, 100 seeds, 85c; 1,000 seeds, \$7.00.

White with Carmine Eye.	Pure White.
Lilac.	Red. Pink.
Giant Orchid-Flowered Cyclamen in choicest mixtures, 100 seeds, 80c; 1,000 seeds, \$6.50.	



CHICAGO
31-33 W. Randolph St.

Vaughan's Seed Store

NEW YORK
25 Barclay St.

Greenhouses, Nurseries and Trial Grounds, Western Springs, Ill.

Japanese Lilies

Spec. Album, 9 in.-11 in.	per 100..\$13.00
Rubrum, 9 in.-11 in.	per 100.. 9.00
" Melpomene, 9 in.-11 in.	per 100.. 9.50
Tuberoses, Double, pearl, 4 in.-6 in.	\$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.
114 Chambers Street. NEW YORK, N. Y.

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.
Contract Growers of
High Grade Seeds

Cucumber, Melon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman's Compacta (new), to take the place of
Whitman's. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

Giant Pansy Seed.



Read what growers
say about the Kenil-
worth Strain of mixed
Pansy seed in the Am-
erican Florist, July 6,
page 1435: 2000 seeds,
50c; 5000, \$1.00; ¼ oz.,
\$1.25; 1 oz., \$5.00.

**PANSIES IN
SEPARATE COLORS.**

Adonas, Emperor William, Black,
Beaconfield, Yellow, Yellow dark eye,
Masterpiece, White, White dark eye,
Purple Orchard Flowering, Bronze
shades, Light Blue, Dark Blue,
Red shades, Zebra, 1000 seeds
25c; any 5, \$1.00; 11, \$2.00.
With every \$1.00 worth
of Pansy seed I will
send 1000 of Rainbow
free and with other
amounts in
like propor-
tions.

Chas. Frost
Kenilworth,
N. J.

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.

Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.
Mention the American Florist when writing

Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50, half packets, 60c. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

Mention the American Florist when writing

Fall Bulbs

LOOK THIS OVER. If these are not the best
bulbs you have seen, return them at our expense.

Single Red Hyacinths. Per 100
Gertrude, Baron von Thuyke.....\$6.00

Single White Hyacinths.
Grande Blanche, Mad. van der Hoop,
L'Innocence.....\$6.00

Single Blue Hyacinths.
Queen of the Blues, Marie.....\$6.00

Single Yellow Hyacinths.
Mac Mahon, Yellow Hammer.....\$6.00

Tulips Single. Per 100 1000
La Reine...\$.60 \$ 5.50

White Swan .90 8.50
Cott'ge Maid .85 7.00

Rose Lui-
sante.....2.40 21.00

King of Yel-
lows.....1.75 15.00

Yellow Pot-
chakker...1.25 9.00

Purperkro'n 1.35 10.50

Conleur de
Cardinal..2.35 21.00

Duchess de
Parma.... .90 8.00

Proserpine. 2.25 19.00

Pres. Linc'n 2.25 19.00

Kaiser Kr'n 1.25 9.00

White Calla, Select Bulbs.....Per 100, \$ 8.00

Freesia Purity, ½ inch and up.....Per 1000, 12.00

Giant Pansy Seed, mixed.....Per oz., 1.25

Mignonette Seed, finest strain.....Per oz., 1.25

Boxwood, pyramidal 3 ft.....Each, 1.50

Ampelopsis Veitchii, 4 inch pots.....Each, .15

Cash or Reference.
F. O. FRANZEN, 1476 Summerdale Ave.
CHICAGO

Mention the American Florist when writing

Oklahoma Seed Growers' Co.
Contract Growers of
Watermelon and Muskmelon Seeds
For the Wholesale Trade only
Enid, - - Oklahoma
Mention the American Florist when writing

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Cliftondale, Mass., the great sweet pea specialist sows our seed almost exclusively. Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
 Poltevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
 Boston Ferns, 5-in., 25c each.
 Whitmani Ferns, 4-in., 25c.
 Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
 \$25.00 per 100.
 Vinca Var., 2-in., 2c.
 Asparagus Sprenger, 2-in., \$2.50 per 100.
 Asparagus Plumosus, 2-in., \$3.00 per 100.
 Heliotrope, Scarlet Sage, Lemon Verbenas
 Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

PRIMROSES

	Per 100	Per 1000
Chinensis, Forbesi, Malacoides, Obconica, Alba, Rosea, Kerme- sina	\$1 75	\$15 00
Gigantea—All from 2 1/4 pots	2 00	
Asp. Plumosus, 2 1/4 pots	2 00	18 00
" Sprenger	2 00	15 00
" Plumosus Seedling	1 00	7 50
" Sprenger	1 00	6 00
Vinca Variegata field plants Cut back	5 00	
Fancy Plants, Giant flowering		2 50

CASH

Jos. H. Cunningham
 Delaware, Ohio

Mention the American Florist when writing

—WRITE—

GEO. A. KUHL
 PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes	\$4.00
3 foot	6.00
6 in. Birch Bark	1.00

Order a few of each size.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
 Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
 New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2 1/4-in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

PALMS, FERNS AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Order Fall Bulbs Early

It Helps Us and You.

If you have already ordered
 your bulbs from us, send in
 your additional Supply, Fertil-
 izer and like orders, and
 save freight.

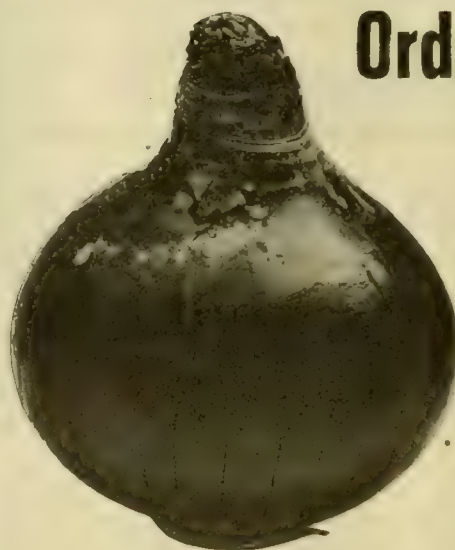
NOW ON HAND.

Narcissus Paper Whites
 Grandiflora

Fancy (1250 bulbs to case) Per 1000
 \$ 9.00
 Star (1000 bulbs to case) 11.50

Freesias.

Per 1000
 French Mammoth \$10.00
 Purity Mammoth 25.00
 Purity, extra size 20.00
 Purity, first size 17.50



Lilium Harrisii Per 1000

5-7-inch (400 bulbs to case) \$35.00

Callas.

Per 1000

1 1/4-1 1/2-inch (Calif. grown) \$50.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.

Grafted White Killarney

3 1/2 and 4-inch pots, choice young
 stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Office
 131 N. Wabash Av.
 Chicago, Ill.

Greenhouses
 Hinsdale,
 Ill.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides, Chinese, Forbesi,
 Obconica Alba, Rosea, Lilac, Rubra, Hybrida,
 Compacta, Carmine, Blue, Sanguinea, Giant Rosea,
 Giant Mixed, Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100.

CARNATIONS, FIELD.

Harlowarden, Enchantress and Rose Pink, \$4.00
 per 100.

FERNS.

From bench. Boston, Whitmani, Elegantis-
 sima, 4-in., 10c; 5-in., 12c. Scholzei, Amerpohli,
 3-in., 8c; 4-in., 12c.

—Cash—

BYER BROS., Chambersburg, Pa.

Field-Grown Carnations

Limestone land. No stem rot.

250 R. P. Enchantress, 500 Enchantress,
 200 Dorothy Gordon, 1000 Victory,

\$6.00 per 100; \$55.00 per 1000.

400 White Enchantress,

\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.
 W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio

Mention the American Florist when writing

Field-grown Carnation Plants.

3200 Winsor, 3000 White Enchantress, 500 Rose-
 pink, 400 Pink, 325 White Perfection, 500 White
 Lawson; any of the above \$6.00 per 100; \$50.00
 per 1000.

3-in. Roses.

50 White Killarney, 100 Pink Killarney, own root.
 \$6.00 per 100.

90 Mrs. Aaron Ward, \$8.00 per 100, to close out.

3-in. Asparagus Plumosus and Sprenger, \$5.00
 per 100.

2-in. Smilax, \$2.00 per 100.

All of the above stock is clean and healthy and
 we make the above prices in order to move it
 quickly. Address

ADDEMS, MORGAN & CO.
 PAXTON, ILL.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
 WEST GROVE, PA.

ASTERS.

Simple's Branching, best strain in white,
 pink and purple, fine plants from field,
 \$2.50 per 1,000; 5,000 for \$10.00.

Smilax, fine bushy plants, 2 1/2-in., \$1.50 per 100.
 \$14.00 per 1000. Primulas, Obconica and Chinese
 strong 2 1/2-in., \$2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

FOR SALE.

Surplus shrubs for fall planting. Large stock. Rose of Sharon, Deutzia—Pride of Rochester, Forsythia, Spiraea Anthony Waterer, Weigelas, three varieties. 25c each.

Kerria Japonica, 15c each.

All F. O. B. Southampton Station. No charge made for packing for cash orders.

Chas. E. Frankenbach & Sons,
SOUTHAMPTON, N. Y.

Please Take Notice!

Country Fairs Are Next on the Programme.

Are you prepared for them? Hit the bull's-eye. Be successful. Buy your Exhibition Plants from Godfrey Aschmann. You will surely meet with success in carrying off first prizes and certificates of merit. We make a specialty of raising plants for country fairs.

Araucarias Our Specialty.



Araucaria Excelsa. April, 1911, importation raised from top cuttings, 6-7 in. pots, 4 to 5 years old, 5, 6 and 7 tiers, 25, 28, 30, 35, 40 in. high, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and Robusta Compacta. April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Araucaria Excelsa. new importation, arrived per steamer Lapland, in fine condition.

out of 5, 5½ and 6-in. pots, 2 to 3 years old, 3, 4 and 5 tiers, 12, 14, 16, 18 and 20 inches high, 40c, 50c, 75c and \$1.00 each.

Kentia Belmoreana, 4 year old, 30 to 35 inches high, \$1.50.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.00, \$1.25 and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4½-in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 7-in. pots, made up, one large size in center, three smaller ones around, \$2.00.

Cocos Weddelliana Palms, single, 3-in. pots, 15c, 18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 25c to 30c.

Cash with order, please. 25 sold at 100 rates.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphea Australis Palms, 5-in. pots, 20-in. high, 35c.

Ficus Elastica, Belgium or American stock, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Asparagus Plumosus and Sprengeri, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2½-in., \$3.00 per 100.

Asparagus Sprengeri, 2½-in., \$4.00 per 100.

Poinsettias, 4-in., 20c.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully, 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$10.00 per 100.

Primula Chimensis, John F. Kupp strain, assorted, 4-in., \$10.00 per 100; 5½ in., only \$2.50 per doz.

Begonias Gloire de Lorraine and Lonsdale, pink, large 4-in., 30c to 35c; **Glory of Cincinnati,** 4-in., 40c to 45c.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Solanum or Jerusalem Cherries, 2½-in., \$5.00 per 100.

Ferns.

Neph. Whitmani, 4-in., 20c; 5½ to 6-in. pots, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.

Boston, 8-in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 20c.

Neph. Elegantisima Compacta, 6-in., 50c.

Neph. Scholzei, 6-in., 50c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. **Dish Ferns,** now ready, \$4.00 per 100.

6-in. dishes, made up of **Wilsoni Ferns,** one large **Dracaena Terminalis** in center, 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns,** very attractive, would sell like hot cakes for 75c.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

Special Prices on

BAY TREES

Every florist should have some of these on hand for decorating purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories

Sidney, Ohio

The Early Advertisement Gets There

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Boston, Mass., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Rustenik, Cleveland, O., Treasurer.

REPORT of the Rochester meeting of the Market Growers' Association of America will be found in this issue, page 472.

Pittsburg.

TRADE HAS BETTER TONE.

While there is no improvement of note in trade, yet there is a better tone to business since the beginning of September, and there is an undercurrent that makes one think that things are just starting to boom. Everyone seems to think business will be all right no matter who is elected. The crest of the late crop of asters is now here, the wholesalers receiving them by the wagonload. Gladioli are as plentiful as ever but move out better. Lilies are rather scarce and command good prices. Everyone is cutting smiles and there is no demand for any of it.

NOTES.

Barber, the well known buyer of the Jones-Russell Co., Cleveland, O., spent a day in Pittsburg on his way to New York, and while here E. J. McCallum proposed that he get on the back seat of his motorcycle and visit his canoe club, twelve miles up the river. Everything was all right until a rain storm made the streets so slippery that near Aspinwall they took a spill and landed in a mud hole, which made a new suit necessary for Mr. Barber.

Frank Schoen of the Gasser Co., Cleveland, O., visited here September 5. Mr. Schoen was for years with A. M. Murdoch of this city, and as he was always very popular with the local trade he was warmly welcomed.

George McCallum is spending a week at F. H. Westhoff's range of glass, absorbing some of the principles of growing, which he figures will be of great benefit in the selling end.

A. W. Smith is bothered considerably this summer with the hay fever, and states that he will never be found in Pittsburg during the summer months again.

John Sicely of the McCallum Co. is a very proud man since August 27, when he became the father of an eight pound boy.

The Blind Floral Co. is cutting a nice lot of lilies, hitting it just right, as nearly everyone is not cutting any at present.

W. A. Clark has returned from his summer cottage, but says he cannot get down to work right, until the rush starts.

Fred Butz of New Castle was a recent visitor here, coming to town to arrange for a new ice box.

The Florists' Club met September 3, but owing to the warm weather there were very few present. J.

BALTIMORE, MD.—The annual meeting of the Maryland Horticultural Society will be held here November 18-23. The exhibition in connection with the meeting will take all the space in the sixty thousand square feet of the Fifth Regiment Armory, and the show promises to be one of the best in the country.

Mushroom Spawn



New Crop ENGLISH

Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$3.50 per 10000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters, Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS, CO., White Marsh, Me.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per 1/4 oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

ANNOUNCEMENT.

We wish to announce to the trade that we will again handle the same grade of **boxwood** we did last fall. The proof of the pudding is in the eating, not in the exaggerated advance notices, and those who last year handled our boxwood, with no exceptions, pronounce it the best they have ever handled. It will be put up in light 50 lb. crates and will contain no surplus wood. You might just as well save a few dollars and at the same time make sure of having the very best on the market.

Pittsburg

McCALLUM CO.

Cleveland

PLANT PEONIES FOR PROFIT!

☞ Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne , creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	M^{lle} Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens, fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachei , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendaller , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower; stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmeta , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papavillora , guard petals pure white; others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

PANDANUS UTILIS

3½ in. pots. Per 100 At \$12.00
Dracaena Indivisa—5-in., pot-grown, ready for repotting. Excellent value. At \$25.00
Cyperus Alternifolius—3½ in. pots. Very bushy and compact. At 8.00
Deutzia Gracilis—Specially grown for Easter forcing. Very bushy. At 15.00
Campanula Medium—2½ in. pots. Fine for growing on for Easter. At 3.00
Hydrangea Otaksa—4-in., pot-grown. At 8.00
Ivy, field-grown, at \$60.00 per 1000.
Cash with Order
A. L. MILLER, Jamaica Ave., Opp. Schenck Ave. BROOKLYN, N. Y.

First Aid to Buyers Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Who'sale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Lilium Harrisii

Grown from the original pure stock. Extra fine. 6-7 in. bulbs, \$50 to the case, \$15.00 per case. Full thousand lots, \$40.00 per 1000.

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.
Elegantissima compacta, 8-in. pots, \$1.00 each.
Harrisii, an improved **Bostoniensis**. Extra fine plants, 8-in. pots, \$1.00 each.
Bostoniensis, 8-in. pots, \$1.00 each.
Giatseli, 8-in. pots, \$1.00 each; 3½ in. pots, 15 cents each.
Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3½-in. pots, 15c. each.
Magnifica, 3½ in. pots, 25c each; 6-in., 75c. ea.
Asparagus Plumosus Nanus, 2½ in. pots, \$4.00 per 100.
Small Ferns for Fern Pans, 2½-in. pots, assorted, \$3.50 per hundred.

Phoenix Roebelenii.

The finest and most graceful of all palms and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Lilium Candidum.

Extra sized bulbs, \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs., 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾-in. and up., \$12.00 per 1000
Extra sized bulbs, ½ to ¾-in., 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

The obituary of the late Charles L. Yates, whose sudden death occurred at his home in Rochester, N. Y., September 5, will be found elsewhere in this issue.

NURSERYMEN and others who desire a permit to import nursery stock under the new quarantine law, which goes into effect October 1, should address the Federal Horticultural Board, Department of Agriculture, Washington, D. C.

Nursery Quarantine Law Penalties.

The recent nursery stock quarantine law, which goes into effect October 1, provides punishment for violators by a fine not exceeding \$500 or by imprisonment not exceeding one year, or both, in the discretion of the court.

The Drastic Nursery Bill.

The Department of Agriculture certainly put over the nursery interests of this country the most drastic, unfair and un-American law which its jesuitic legal department has yet conceived. The American merchant nurseryman, never yet accused of dishonesty or vicious attempts at introduction of dangerous stock, now can not purchase and import any stock without first obtaining a permit from the secretary of agriculture and under such at present unknown conditions as that politician sees fit to impose. Second, he can not receive a single package of foreign goods at any port unless he immediately notifies the secretary of agriculture at Washington or his agent. Third, he is subject to both fine and imprisonment, and consequent disfranchisement, in case of any violation of the law whether done knowingly or not—that is the police regulation law, under which a man may be convicted if the violation be

done by himself or his agent. This whole law assumes that the nursery industry is made up of individuals so disposed to violate the law that they must operate always under government control and drastic regulations such as are required to govern habitual law-breaking classes. The seedsmen have fought this attempt of the government and certain congressmen to discredit their industry for four years and have insisted the seed law must show that violations if charged be proven to be "knowingly" done and that imprisonment be not imposed upon the citizen engaged in known respectable vocations, maintaining that fines were ample protection for the public.

Packing Materials.

At the recent convention of the American Association of Nurserymen, held at Boston, Mass., June 12-14, considerable discussion was evoked by a question taken from the question box, reading: "What are the best materials to use for packing, whether moss or excelsior? Is there any third material that is used extensively?"

"It depends upon the kind of stock you are shipping," said Harlan P. Kelsey. "For some kinds of shipments charcoal and sawdust are extensively used. Where shipments may be six weeks to two months in transit, there is nothing like dry sphagnum moss. Mr. Wilson showed us some little evergreen trees of the Arnold Arboretum yesterday, pulled off the rocks at Russian Thibet, that were ten weeks in transit, packed in fairly dry sphagnum moss. Too wet moss cannot be used, for the reason that the stock will heat, or start to grow, and will not remain dormant."

"Is your moss baled when you get it?" asked J. M. Pitkin.

"We do not get it baled," replied Mr. Kelsey. "We pull it out of the swamp. I understand the commercial sphagnum moss is usually taken out and made into bales. It is necessary to use fairly fresh sphagnum, not over two years old, and I think that is the best packing material we have at the present time."

"If Mr. Kelsey had to buy moss by the carload, instead of pulling it out

of the swamp, he would advise using something cheaper," said Mr. Meehan. "With small evergreens, moss is preferable, but it is too expensive to use for shrubs. We use shingle tow and baled shavings, soaking it thoroughly so as to retain the moisture, and it will carry shipments in good condition from the Atlantic to the Pacific."

"I think the American nurseryman does the rottenest packing of any in the world," was Mr. Kelsey's reply. "If he had to ship abroad, to Japan and Russia, for instance, it would cure an American nurseryman of poor packing. The foreigners know how to pack, and they do pack well. It pays, and I think the good packers are going to get the business in the future."

"I think a great deal of trouble comes from not having the packing material between the bundles of trees or shrubs and the sides and ends of boxes, where protection is most needed," said Mr. Pitkin.

"We had a shipment packed in shingle tow which, through an error, was on the road nine weeks, and yet was found to be in fine condition when opened," W. C. Reed said.

"We buy our moss in carload lots from the Wisconsin swamps and pile it up where the snow will accumulate on it during the winter, and the melting of the snow on this moss puts it in fine shape for spring packing," said T. E. Cashman. "We use moss in storing and packing small plants, but in packing regular stock for shipping we use the shingle shavings, and mix with that for fall packing the planer shavings. This will often carry six to eight weeks without losing moisture. I believe that wood packing is preferable for shipping in this country. Moss, when piled up, will dry out to a depth of 6 to 8 inches, while shingle shavings under the same conditions will not dry out more than one-half inch in depth."

"Where you have rhododendrons, or azaleas, or that class of stock, they are better shipped in moss," replied Mr. Kelsey. "Evergreen should be packed damp, the roots kept separate with cross pieces and the tops ventilated. Keep the roots of ornamental stock moist and the tops dry."

Very Important to All Importers of Nursery Stock and All Foreign Shippers of Nursery Stock to the United States.

By the new law, Public Document No. 275, known as An Act to Regulate the Importation of Nursery Stock and other Plants and Plant Products, Establish and Maintain a Quarantine District for Plant Diseases and Insect Pests, the following section is of great importance to American importers and foreign shippers:

"Sec. 3. No person shall import or offer for entry into the United States any nursery stock unless the case, box, package, crate, bale or bundle thereof shall be plainly and correctly marked to show the general nature and quantity of the contents, the country and locality where same was grown, the name and address of the shipper, owner, or person shipping or forwarding the same, and the name and address of the Consignee."

The following method of classification has been adopted by the United States Department of Agriculture for the markings of cases, boxes, packages, crates, bales, or bundles referred to in the above section. In the table given below it will be noted that for such labeling the quantity in the boxes or packages must be inserted at the left hand and the approximate age or height at the right hand.

QUANTITY

GENERAL NATURE

AGE OR HEIGHT

Fruit trees		
Fruit tree stocks		
Grape vines		
Bush fruits		
Roses		
• Rose stocks		
Forest and ornamental deciduous trees		
Coniferous trees		
Ornamental deciduous trees		
Evergreen trees other than conifers		
Evergreen shrubs other than conifers		
Field-grown florists' stock not otherwise listed		
Stocks, cuttings or seedlings not otherwise specified		



FESTIVA MAXIMA (The best known white Peony).

VAUGHAN'S PEONIES

Plant now; stock of our own growing, strictly true to name, strong divisions of 3 to 4 eyes each.

	Each	Doz.	100
Charlemagne. Very large shell pink.....	\$0 25	\$2 40	\$18 00
Couronne d'Or. Very large snow white.....	35	3 60	25 00
Duchess de Nemours (Calor). Cup shaped, sulphur white.....	20	2 00	15 00
Duchess de Nemours (Guern). Bright pink.....	20	2 00	15 00
Festiva Maxima. Immense white, spotted red.....	20	2 00	15 00
Felix Crousse. Large double red.....	35	3 60	
Kohinoor. Splendid shell pink.....	20	1 80	12 00
La Tulipe. Delicate rose tipped carmine.....	20	2 00	15 00
Mathilde Mechin. Ball-shaped French pink.....	30	3 00	20 00
M. Dupont. Ivory white, carmine border.....	35	3 60	
M. du Ribert. Rosy magenta.....	20	1 80	
Mme. de Gailhau. Soft flesh pink.....	20	2 00	15 00
Modeste Guerin. Large bright carmine.....	20	2 00	
Octavie Demay (True). Light shell pink.....	60	6 00	
Pulcherrima. Beautiful flesh pink.....	15	1 50	10 00

CASE LOTS.

Double Pink, Red, and White, equally divided, and separated.
200 roots, 3 to 5 eyes, for \$18.00; TWO for \$35.00.

Cases cannot be divided.

ASK FOR OUR COMPLETE LIST.

CHICAGO **Vaughan's Seed Store,** NEW YORK
Greenhouses, Trial Grounds and Nursery at Western Springs, Ill.

FIELD GROWN CARNATIONS

Brooklyn.

THE IMPROVED SCOTT.

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

SEASONABLE STOCK

Primula Obconica Gigantea (Arendsii), Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.

Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.

Primula Malecoides (New Baby), \$3.00 per 100, \$25.00 per 1000.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Scheidei (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Selaginella Emilliana, 2½-inch pots, \$3.50 per 100.

Swainsona Galegifolia Alba, 3-inch pot plants, \$6.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6,550 2½-in. Maryland, own root.....	\$35.00 per 1000	400 2½-in. Bulgarie, own root.....	\$40.00 per 1000
1,700 3½-in. Maryland, own root.....	50.00 per 1000	750 3½-in. Bulgarie, grafted.....	\$8.00 per 100

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
10,000 Perfection.....	\$6.00	\$50.00	5,000 Lawson.....	\$6.00	\$50.00
10,000 White Enchantress.....	6.00	50.00	1,000 Delight.....	6.00	50.00
6,000 Rose Pink Enchantress.....	6.00	50.00	800 Bright Spot.....	6.00	50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

THE CHRYSANTHEMUM MANUAL.

By ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.

Robert Craig Co... HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

HOLLAND TREES AND SHRUBS

We grow a general assortment of

ROSES, LILACS, RHODODENDRONS, PEONIES,
CLEMATIS, MAGNOLIAS, ETC. : : : : :

Prices reasonable. Wholesale Catalog free for the asking.

W. van KLEEF & SONS, - Boskoop, Holland.

Index to Advertisers.

Addems Morgan & Co.	502	Frankenbach Chas. E. & Sons.	503	Miller A. L.	505	Saltford Flower Shop	496	Wilson R. G.	493	Wood R. S.	502
Advance Co. The	513	Franzen F. O.	500	Miller E. S.	503	Schiller, the Florist.	496	Winandy M. & Co.	518	Wrede H.	499
Alpha Floral Co.	493	Freeman Mrs. J. B.	496	Moninger J. C. Co.	520	Schillo Adam	515	Wittbold G. Co.	495	Yokohama Nurs. Co.	411
American Spaw. Co.	504	Freeman & Sons.	520	Moore, Hentz & Nash	491	Schlatter W. & Son.	508	Wittbold Henry	496	Young A. L. & Co.	491
American Wooden Ware Mfg. Co.	111	Friedel E.	492	Morehead Mfg. Co.	518	Schmidt J. C.	502	Wolfskill Bros. & Morris Goldenson	495	Zeck & Mann	487
Amling E. C. Co.	487	Froment H. E.	491	Mt. Gilead Pottery Co.	411	Scott John	502				
Anderson S. A.	493	Frost Chas.	500	Munk Floral Co.	489	Seattle Cut Flo. Ex.	488				
Andorra Nurseries	503	Galvin Thos F.	495	Murray Samuel	494	Shaffer Geo. C.	495				
Angermueller G. H.	488	Garland G. M.	508	Myers Florist	496	Sheridan W. F.	491				
Applie Mfg. Co.	514	Gasser J. M. Co.	495	Nat. Flo. B. of Trade	508	Situation & Wants.	477				
Aschmann Godfrey	503	Genny Bros.	496	N.Y. Cut Flower Ex.	491	Skidelsky S. S. & Co.	500				
Atlanta Floral Co.	496	Giblin & Co.	518	Niessen Leo Co.	489	Smith A. W. & Co.	495				
Bader Ino. & Co.	502	Gillis Litho. & Print Co.	478	Oechslin Frank	502	Smith E. D. & Co.	514				
Badgley Reidel & Meyer, Inc.	491	Good & Reese Co.	1	Oklahoma Seed Gro. Co.	500	Smith Henry	495				
Barrows H. H. & Son	500	Gorham & Chapline	518	Palmer W. J. & Son	494	Smith P. J.	495				
Bartoldes Seed Co.	489	Grand Rapids Flower Co.	495	Park Floral Co.	494	Smith Wm. C.	483				
Bassett & Washburn	480	Growers Cut Flower Co.	491	Peacock Dahlia Pms	503	Smith W. & T. Co.	1				
Bayersdorfer H.	515	Gude Bros.	494	Podrick Geo. & Son	491	Standard Pump & Engine Co.	514				
Beaven E. A.	488	Gunther Bros.	491	Pennock Muehan Co.	491	Stearns Lumber Co.	518				
Berning H. G.	488	Habermann Chas.	496	Penn the Florist	491	Stoothoff H. A. Co.	512				
Berterman Bros. Co.	494	Hatcher, Florist	496	Peters & Reed Poly	111	Storrs & Harrison	507				
Bide & Sons S.	503	Haven Seed Co. The	499	Pierce F. O. Co.	518	Superior Machine & Boiler Works	520				
Black Chas.	500	Heacock Jos. Co.	497	Pierson A. N. (Inc.)	502	Syracuse Pottery Co.	111				
Bobbink & Atkins	507	Heinl John & Son	493	Pierson F. R. Co.	514	Taylor Steam Trap Co.	513				
Boddington A. T.	501	Henderson A. & Co.	503	Pierson U. Bar Co.	514	Texas Seed & Flower Co.	493				
Bodger J. & Sons Co.	499	Herr Albert M.	497	Pillsbury I. L.	508	Thompson Car Co.	497				
Boland J. B. Co.	493	Hess & Swoboda	496	Pinkston Jas E.	498	Thorburn J. M. & Co.	11				
Boligiano J. & Sons	499	Hews A. H. & Co.	111	Pittsburg Cut Flo. Co.	492	Totter Chas. H.	489				
Bowe M. A.	495	Hilfinger Bros.	111	Podesta & Baldocchi	507	Traendly & Schenck	491				
Boynton Furnace Co.	516	Hines E. Lumber Co.	513	Poehlmann Bros Co.	481	Trimble W. E.	487				
Brasian Seed Grow Co.	498	Hitchings & Co.	516	Pollworth C. C. Co.	483	Greenhouse Co.	487				
Brecht Co. The	11	Hoerber Bros.	487	Pulverized Manure Co.	508	United Fertilizer	513				
Breitmeier's J. Sons	494	Hoffman Flo. Artist	495	Quaker City Machine Works	508	Valentine Frank	493				
Brown Alfred J. Seed Co.	498	Hoffmeister Flo. Co.	489	Raede in Basket Co.	484	Vankleef W. & Sons	507				
Brown Bag Filling Machine Co.	499	Holm & Olson	494	Ramsburg A. L. Co.	487	Vaughan A. L. & Co.	481				
Bruns H. N.	11	Holton & Hunkel Co.	488	Rawlings Elmer	504	Vaughan's Seed Store	111				
Buckbee H. W.	496	Home Cor. School	515	Ready Reference	509	I III 478 500	512				
Budlong J. A.	487	Hooker H. M. Co.	517	Randolph & Mc Clements	515	Vestals	496				
Burnett Bros.	502	Hunt E. H.	487	Reed & Keller	517	Vick's Sons Jas.	499				
Burpee W. A. & Co.	11	Hurff Edgar F.	11	Regan Ptg. House	518	Vincent R. Jr.	504				
Byer Bros.	502	Igoe Bros.	508	Reinberg Geo.	497	Virgin N. J.	496				
Caldwell the Woodsman Co.	492	Illinois Pipe Mfg. Co.	513	Reinberg Peter	483	Walker F. A. & Co.	496				
Camp Conduit Co.	516	International Heater Co.	518	Reuter Chris.	489	Wagner Park Cons.	503				
Chicago Carn. Co.	1	Interstate Tob. Co.	516	Rice Bros.	499	Ward & Co. R. M.	11				
Chicago Flower Growers Assn.	485	Isbell S. M. & Co.	11	Robinson J. C. Seed Co.	11	Weber F. H.	496				
Chicago House Wrecking Co.	520	Jackson & Perkins	505	Rock W. L. Co.	494	Weeber & Don	500				
Clark E. B. Seed Co.	11	Johnson J. Oliver	499	Rohnert Seed Co.	499	Weiland & Risch	487				
Clark's Sons David	495	Johnson W. W. & Son	11	Routzahn Seed Co.	499	Welch Bros.	489				
Cleveland Cut Flower Co.	495	Jones Percy	480	Rusch G. & Co.	488	Wertheimer Bros.	11				
Conard & Jones	505	Kasting W. F. Co.	489	Saakes O. C.	495	Western Seed & Irrigation Co.	500				
Cooke Geo. H.	493	Keller Geo. & Sons	111	Sabransky Jno F.	502	Wietor Bros.	482				
Cotsonas Geo. & Co.	492	Keller J. B. & Sons	496			Wilks S. Mfg. Co.	512				
Cowee W. J.	518	Kellogg Geo. M.	493			Williams Mrs. E. A.	496				
Coy H. C. Seed Co.	500	Kennicott Bros.	486								
Craig Robt Co.	507	Kervan Co. The	491								
Critchell C. E.	489	Kessler W. A.	491								
Crumpp Frank F.	494	Kift Robt.	495								
Cunningham Jos. H.	502	Kohr A. F.	111								
Daniels & Fisher	495	Kramer I. N. & Son	517								
Dards Chas.	494	Kroeschell Bros Co.	513								
Deamud J. B. Co.	486	Kruchten John	484								
Deannison Mfg. Co.	479	Kuebler Wm.	491								
DesPlaines Flor. Co.	497	Kuehn C. A.	489								
Detroit Flower Pot Mfg.	111	Kuhl Geo. A.	502								
Dietsch A. & Co.	11	Kyle & Foerster	487								
Diller Caskey & Keen	515	La. Crosse Floral Co.	496								
Dillon J. L.	505	Lager & Hurrell	1								
Dingee & Conard Co.	502	Lange A.	493								
Dorner F. & Sons	497	Landreth Seed Co.	499								
Dreer H. A.	111	Lecakes N. L. & Co.	491								
Duerr Chas. A.	496	Lederer John	518								
Dunlop John H.	495	Leedle Floral Co.	505								
Dwelle-Kaiser Co.	515	Leonard Seed Co.	499								
Eagle Machine Wks	516	Lochner & Co.	499								
Edwards Folding Box	508	Lord & Burnham Co.	515								
Elliott W. H.	489	McCallum Co.	504								
Emmans Geo. M.	502	McConnell Alex.	493								
Erie Floral Co.	1	McCoy L. W.	496								
Erne & Klingel	486	McCullough's J. M. Sons Co.	489								
Esperance L. Nurs.	503	McHutchinson & Co.	499								
Eyres H. G.	495	McKellar Chas. W.	485								
Fish Henry Seed Co.	499	McKenna P. & Son	495								
Florists' Hail Assn.	516	Mangel	493								
Florists Tel. Delv.	494	Mann Otto	499								
Foley Mfg. Co.	11	Mastin J. G. & Co.	520								
Ford M. C.	491	Masur S.	493								
Fottler, Fiske, Rawson Co.	11	Matthews Florist	495								
		May & Co. L. L.	493								
		Meconi Paul	491								
		Mette Henry	504								
		Metropolitan Mat Co.	516								
		Meyer John C. & Co.	492								
		Michigan Cut Flo. Exchange	492								
		Millang Chas.	491								



Pulverized or Shredded Cattle Manure
Pulverized Sheep Manure
 Unequalled for Greenhouse Fertilizing.
 Ask for Grower's Booklet.
THE PULVERIZED MANURE CO.
 32 Union Stock Yards, Chicago

No loss if you mend your split carnations with **Superior Carnation STAPLES** 50c per 1000 postpaid.
Wm. Schlatter & Son,
 422 Main St., Springfield, Mass.
 Mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO.
 MANUFACTURERS
 PHILADELPHIA, PA.

Mention the American Florist when writing

EVANS' Improved Challenge Ventilating Apparatus
 Write for Illustrated Catalog
Quaker City Machine Works,
 Richmond, Ind.

Mention the American Florist when writing

Model Extension Carnation Support
 Made with two or three circles. Endorsed by all the leading Carnation Growers as the best support on market.
 Pat. July 27, '97. May 17, '98
GALVANIZED WIRE ROSE STAKES.
 Write for prices before ordering elsewhere.
Prompt shipment guaranteed
IGOE BROS.
 266 N. 9th St.
 BROOKLYN, N. Y.

Do not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing



Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898. 2000 for \$1.00 postpaid.

I. L. PILLSBURY,
 Galesburg, Ill.

Mention the American Florist when writing

LISTEN!

Opportunity is knocking at your door. Are you taking advantage of Garland's proposition? The time is flying fast and you can lose no time. Write Garland at once or you will be too late.

GEO. M. GARLAND CO.,
DES PLAINES, ILL.

Ready Reference Section.

10 CENTS PER LINE, NET.



AMPELOPSIS.

Ampelopsis Veltchii, 4-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Araucarias. For prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASPARAGUS.

Asparagus Hitcherli, 2½-in., \$1.50 per doz.; \$10 per 100; 250 for \$18.75. Plumosus seedlings per 100, \$1; per 1,000, \$8; 2-in., per 100, \$3; per 1,000, \$25. Sprengeri, seedlings per 100, 85c; per 1,000, \$6. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprengeri, 3-in., \$3 per 100; \$25 per 1,000. One-year-old A. plumosus, \$2 per 100; \$18 per 1,000. Strong 2-in. Smilax, \$2 per 100; \$18 per 1,000. George Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengeri seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprengeri, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengeri, seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2½-in., \$25 per 1,000; \$3 per 100; 3-in., \$5 per 100. A. Sprengeri, 4-in., 10c; 3-in., 4c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$250 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidegsy & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, \$25 per 1,000; \$2.50 per 100. A. M. Herr, Lancaster, Pa.

ASPIDISTRAS.

Aspidistras, var., 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

ASTERS.

Asters, from \$1 to \$3 per 100. Geo. B. Hart, Rochester, N. Y.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

Asters. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, Semple's Branching, \$2.50 per 1,000; 5,000 for \$10. J. C. Schmidt, Bristol, Pa.

AZALEAS.

Azaleas. McHutchison & Co., New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS.

McHenry Ave., Westwood, Cincinnati, O.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Box trees. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

CALLAS, extra fine, vital bulbs, 4-in. circumference, \$60 per 1,000; 5-in., \$80; 6-in., \$100. Delivered by express prepaid. Cash with order. Lilydale Bulb Co., Santa Cruz, Cal.

Bulbs, Caladium esculentum, 7-9, \$2.50 per 100. Longidorums, Multiflorums, giganteums. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Horseshoe Brand Lilium Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs. Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. McHutchison & Co., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. P. Conard and the finest new ones. Send for price list. THE CONARD & JONES CO., West Grove, Pa.

Cannas, \$15 per 1,000 up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Cannas, 2½ and 3-in. Vaughan's Seed Store, Chicago and New York.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress.....	\$7.00	\$60.00
White Enchantress	8.00	75.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection.....	8.00	70.00
Dorothy Gordon	7.00	65.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowden	6.00	55.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.

	Strong, Sturdy, Healthy.	Per 100	Per 1,000
Enchantress		\$6.00	\$55.00
Washington		6.00	55.00
White Lawson		4.00	35.00
Pink Lawson		4.00	35.00
Winsor		4.50	40.00
Victory		5.00	45.00
White Perfection		6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

FIELD GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Boston Market, nice.....	\$4.00	\$35.00
White Perfection, medium.....	5.00	45.00
White Enchantress, nice.....	5.50	50.00
Enchantress, nice	5.50	50.00
Rose Pink Enchantress.....	5.50	50.00
Variegated Lawson.....	4.50	40.00
Mrs. E. A. Nelson.....	4.50	40.00
W. H. Taft.....	4.50	40.00

This stock is ready for immediate shipment. Cash with order, please.

JOS. SCHOOS,

514 Asbury Ave., Evanston, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Enchantress	\$3.00	\$30.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.
J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Conquest, beautiful flesh pink, overlaid with cerise, very free bloomer	\$7.00	\$60.00
May Day, deep flesh pink	6.00	50.00
X-mas Cheer	6.00	50.00

CHICAGO CARNATION CO.

30 E. Randolph St., Chicago, Ill.

CARNATIONS, 10,000 fine, healthy field-grown plants of the following varieties, now ready for immediate or later shipment: Winsor, Pink Lawson, and Taft, \$50 per 1,000. Cash or satisfactory reference. ELITCH-LONG GREEN-HOUSES, Denver, Colo. "Colorado" grown plants beat them all."

CARNATIONS.

	Per 100	Per 1,000
White Enchantress	\$6.50	\$60.00
Enchantress	6.00	55.00
W. C. Ward	6.00	55.00
Pink Delight	8.00	75.00

F. F. SCHEEL.

SIEMERVILLE, ILL.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Beacon	\$6.00	\$55.00
White Enchantress	6.00	55.00
Rose Pink Enchantress	6.00	50.00
Enchantress	6.00	50.00

JOHN BLECHSCHMID.

4300 E. 122nd St., Cleveland, O.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 2,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

LAST CALL FOR CARNATIONS, field-grown plants, A No. 1 stock, Pink Enchantress, \$40 per 1,000, White Perfection, Winsor, \$35 per 1,000, Victory, medium sized plants, \$30 per 1,000, 100 at 1,000 rates. Cash with order. Write for prices on large lots. NORTHWESTERN FLORAL CO., Gross Point, Ill.

Carnations, strong, field-grown, White Enchantress, 7c; White Perfection, 7c; Enchantress, 8c; Victory, 7c; Mrs. Patton, 6c. Smaller plants: Victory, 5c; Enchantress, 5c; White Enchantress, 5c. John A. Salzer Seed Co., La Crosse, Wis.

Carnations, 2,500 White Perfection, 1,000 Light Pink Enchantress, 600 Victory, 400 Bassett, 300 Mrs. C. W. Ward, 300 Scarlet Glow, 100 Beacon, \$6 per 100; \$50 per 1,000, 900 Pink Delight, \$7 per 100. Cash, please. Harry Heintz, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Very choice field-grown Carnations, Enchantress, White Perfection, Georgia, White R. P. Enchantress, \$4.50 per 100; \$40 per 1,000. Cash, Brant & Nee Floral Co., 3744 Brantwood Ave., Chicago.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Field-grown Carnation plants, 4,000 Alma Ward and C. W. Ward mixed at \$70 per 1,000. Cash with order. Campbell the Florist, Chili Ave., and Thurston road, Rochester, N. Y.

Carnations, R. P. Enchantress, Enchantress, Dorothy Gordon, Victory, \$6 per 100; \$55 per 1,000, White Enchantress, \$7 per 100; \$65 per 1,000. Jno. F. Sabransky, Kenton, Ohio.

Field-grown carnation plants, 555 Sangamo, 50 Lady Bountiful, \$5 per 100. Good healthy plants. Cash, please. Edgar Easterday, Nokomis, Ill.

Carnations, F. Dornier & Sons Co., La Fayette, Ind.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$6 per 100; \$50 per 1,000. Otto J. Hembrecker, Lincoln, Ill.

Carnations, Harlowarden, Enchantress and Rose Pink, \$4 per 100. Ryer Bros., Chambersburg, Pa.

1,500 Thos. W. Lawson, 1,500 Windsor, 1st size plants, \$4 per 100. J. S. Wilson Floral Co., Des Moines, Iowa.

Carnations, Enchantress, Alma Ward and Dorothy Gordon, fine plants, \$6 per 100. C. C. Pollworth Co., Milwaukee, Wis.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Washington, Pink Enchantress, Victory, \$5 per 100; \$45 per 1,000. J. A. Budlong, 82 E. Randolph St., Chicago.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, pot plants only, \$2 per 100; \$18 per 1,000. Oct. Frost, C. Tousey, White Cloud, Kadu Queen, Mlle. Des Jonis, Florence Pullman, Yellow; Halliday, Col. Appleton, Pink; Jeanne Rosette, MEMPHIS FLORAL CO., 145-47 South Main St., Memphis, Tenn.

Chrysanthemums, bush-shaped plants, 6, 7, 8 and 10-in. Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis, W. & T. Smith Co., Geneva, N. Y.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wirthold Co., 737 Buckingham Place, Chicago.

Cyperus alternifolius, 3½-in., \$8 per 100. A. L. Miller, Brooklyn, N. Y.

DAHLIAS.

Dahlias, whole field clumps, \$5 per 100; \$40 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Dahlias, leading sorts. Vaughan's Seed Store, Chicago and New York.

DEUTZIA.

Deutzia gracilis, \$15 per 100. A. L. Miller, Brooklyn, N. Y.

DRACAENAS.

Dracaena terminalis, finely colored, perfect plants, 7-in. pots, 30 inches high, \$1.50 each. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaena indivisa, 5-in., \$25 per 100. A. L. Miller, Brooklyn, N. Y.

FERNS.

NEPHROLEPIS HARRISII.

Strong 2½-inch \$ 8.00 per 100

4-inch 20.00 per 100

6-inch 50.00 per 100

Surplus stock. Good value.

J. A. PETERSON & SONS,

Westwood, Cincinnati, Ohio.

Ferns, from bench, Boston, Whitman, Elegantiissima, 4-in., 10c; 5-in., 12c; Scholzel, Amerpohli, 3-in., 8c; 4-in., 12c. Ryer Bros., Chambersburg, Pa.

Clotium Scholzei, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman, Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Boston, 4-in. pots. The each or \$12.50 per 100; 5-in. pots, 25c each or \$22.50 per 100. Edw. Doeg Co., 3314 N. Springfield Ave., Chicago, Ill.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000, 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Boston ferns, 2½-in., per 100, \$5. Small ferns, 10 varieties, 2½-in., our selection of vars., per 100, \$3.50; per 1,000, \$32.50. Vaughan's Seed Store, Chicago and New York.

Ferns, all kinds. For sizes and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wirthold Co., 737 Buckingham Place, Chicago.

Adiantum Cuneatum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 5 and 5½-in., 30c, 35c and 40c each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wirthold Co., 737 Buckingham Place, Chicago.

GERANIUMS.

Geraniums, Nutt, Buchner, Viand, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poitevine, Nutt, Richard, Doyle, Viand, La Favorite, Rose, Ivy, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, unrooted top cuttings, S. H. Nutt, 75c per 100; \$6.50 per 1,000. Otto J. Hembrecker, Lincoln, Ill.

Geraniums, R. C. Nutt and Richard, \$10 per 1,000. Poitevine, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, all the leading kinds, R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Munc. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Long-gap, N. C.

Greens, bucklesberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and masses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Benav, Evergreen, Ala.

Greens of all kinds. N. Leakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Phlox, new true blue, Phlox Devaricata, earliest flowering phlox, 2½-in., pots, good for forcing, \$1 per doz.; \$6 per 100. Siebrecht & Son, New Rochelle, N. Y.

German Iris, mixed roots, \$1 per 100. A. M. Herr, Lancaster, Pa.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

HELIOTROPES.

Heliotrope, A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; \$3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100. A. L. Miller, Brooklyn, N. Y.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

IVY.

Ivy, field-grown, \$60 per 1,000. A. L. Miller, Brooklyn, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the Valley, London market, \$15 per 1,000. Premium Brand, \$13 per 1,000. Vaughan's Seed Store, New York and Chicago.

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley pips in cold storage, J. M. Thorburn & Co., 33 Barclay St., New York.

FROM STORAGE

Lily of the Valley, Bruns' Celebrated Chicago Market Brand, finest in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.75 per 100; \$16 per 1,000. H. N. Bruns, 3032 W. Madison St., Chicago.

MOSS.

Fresh stock of floral moss for designing and decorating. Guaranteed to be A1. If not as represented, purchaser can return at our expense. Also fibrous peat, good quality, one 10-bbl. bale, \$4; two 10-bbl. bales, \$7. Price list mailed on packing moss in quantity. W. H. Stackhouse, Waretown, N. J.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, Rose of Sharon, Deutzia Pride of Rochester, forsythia, Spiraea Anthony Waterer; Weigela, three varieties, 25c each. Kerria Japonica, 15c each. Chas. E. Frankenbach & Sons, Southampton, N. Y.

Nursery stock, trees and shrubs, roses, lilacs, rhododendrons, peonies, clematis, magnolias, etc. W. Van Klee & Sons, Booskoop, Holland.

Arbor-Vita, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks, English manetti; Japan lilacs, radia. McHutchison & Co., New York.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klein's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 4-in., \$2.50 per doz.; \$18 per 100; 5-in., 75c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchi, Vaughan's Seed Store, Chicago and New York.

PALMS.

A houseful of Cocos Weddelliana, 2 to 2½ ft., extra strong, 4½-inch pots, 50c each. 20 to 24 ins., fine plants, 4-inch pots, 35c each; 15 to 18 ins., 6 to 7 leaves, 3½ inch pots, 25c each. Large bushy plants, 4 in a pot, 2 to 2½ ft., 24 leaves, \$1.50 each. Large bushy plants 2 in a pot, 20 to 22 ins., 60c each. Siebrecht & Son, New Rochelle, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfred Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms, McHutchison & Co., New York.

Palms, Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms, Kentias, latanias, Phoenix Roebelenii, Vaughan's Seed Store, Chicago and New York.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

DIFFERENT PANSIES AND WHY.

MASTODON is our name for a genuine American strain of pansies originated by us, and comprising a marvelous number of new shades and varieties, as well as many improved types from other lands. All are of excellent form, of the richest colors, and of great size—up to 3½ inches in diameter. Free color plate catalog. Plants: 100, 50c; 1,000, \$3; 5,000, \$12.50. All prepaid. Perfect order delivery guaranteed in U. S. and Canada. Seed: ¼ oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, best German strain, separate varieties, \$2.50 per 1,000. O. K. Heege, Station S., Seattle, Wash.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcosie, Mo.

Peonies, good divisions of special colors and mixed, 5c each. The Mosback Greenhouse Co., Onarga, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover pages. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C. \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

POINSETTIAS, rooted top cuttings, true type, 2½-in. pots, for July, August and September delivery at \$6 per 100 or \$51 per 1,000. All guaranteed extra fine. Cash or satisfactory references. BLITCH-LONG GREENHOUSES, Denver, Colo. "Colorado Grown Plants Beat Them All."

Poinsettias for panning, 2½-in., per doz., \$1; per 100, \$6; per 1,000, \$55. Vaughan's Seed Store, Chicago and New York.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Malacoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Primroses, Chinese, Forbesi, Malacoides, Obconica alba, rosea, Kermesina, \$1.75 per 100; \$15 per 1,000. Gigantea, 2½-in., \$2 per 100; Jos. H. Cunningham, Delaware, O.

Baby primroses, 2½-in., \$2.25 per 100; \$20 per 1,000. Fine plants from flats, \$1.75 per 100; \$15 per 1,000. Cash please. Manheim Carnation Co., Manheim, Pa.

Primula Malacoides, 2½-in., per doz., 75c; per 100, \$4. Vaughan's Seed Store, Chicago and New York.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primulas, 2-in. Malacoides, Chinese, Forbesi, Obconica alba, rosea, Ilac, rubra, hybrida, Compacta, \$2 per 100. Sauginea, giant rosea, giant mixed, Kewensis, \$3 per 100. Byer Bros., Chambersburg, Pa.

1,000 Primula Malacoides out of 3½, ready for shift, at \$5 per 100; \$50 for the lot, cash. These are fancy plants grown for our use but are crowded out by our Silver Pink Snapdragon, G. S. Ramsburg, Somersworth, N. H.

Primula obconica, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

CHOICE ROSE PLANTS.

	Per 100	Per 1,000
American Beauty, 2½-in.,.....	\$4.50	\$40.00
Jardine, 2½-in.,.....	5.00	25.00

Ready Now, Order Early.

WHEATOR BROS.,

162 N. Wabash Ave., Chicago.

Rose Erna Teschendorf, 2½-in., 20c each; \$2 per doz.; \$15 per 100; 3½-in., 30c each; \$3 per doz.; \$20 per 100; 4-in., 35c each; \$3.50 per doz.; \$25 per 100; 2 yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silence, W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers, Strong forcing stock for florists. Orders for fall delivery, looking now. Jackson & Perkins Co., Newark, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in., Maryland, Pink and White Killarney, Carnot, \$4 per 100; \$35 per 1,000. Erie Floral Co., Erie, Pa.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollwirth Co., Milwaukee, Wis.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink	\$2.50	\$0.50
" Gracilis luminosa, finest red	2.50	.50
" Triumph, finest white	2.50	.50

O. V. Zangen, Hoboken, N. J.

Seeds, Vaughan's Giant Flowering cyclamen. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Seed, silver pink snapdragon, \$1 per pkt.; 3 for \$2.50; ¼ pkt., 60c. G. S. Ramsburg, Somersworth, N. H.

SMILAX.

Smilax, \$1.50 per 100; \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax, 2½-in., \$1.50 per 100; \$14 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, Wood Bros., Fishkill, N. Y.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, strong divisions, or whole clumps. Ready for prompt shipment. If interested write. The Mosback Greenhouse Co., Onarga, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

SNAPDRAGONS.

Snapdragons, good shades, giant pink, white, red and yellow, 2 1/4-in., \$2 per 100; \$18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aidan, Pa.

VINCAS.

Variegated Vinca vines, strong field-grown plants, \$6 per 100; \$50 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

California, Gov. Herrick and Dorset, field-grown plants, \$4.50 per 100. Cash with order. W. F. Duntzman, Bensenville, Ill.

Violets, Gov. Herrick, fieldgrown, \$3 per 100. Byer Bros., Chambersburg, Pa.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. L. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., 1/2 lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse Construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-S3 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

POTS, PANS, ETC.

Standard flower pots. A. F. Kohr, 2034-38 Leavitt St., Chicago.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave., CHICAGO, ILL.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Martin Anti-Friction Grates. Write for particulars. Martin Grate Co., Fisher Bldg., Chicago.

Toledo tubs, all sizes. The American Wood-ware Mfg. Co., Toledo, O.

Florists' Supplies. Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Ribbons and chiffons. Wertheimer Bros., 565 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.
Amiling Co., B. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Reldel & Meyer, Inc., New York.
Bassett & Washburn, Chicago.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFFHOFF CO., MOUNT VERNON, N. Y.

**VAUGHAN'S
PERFECTION
SIZE 2 1/2
POINT**

No. 2. Large single

thick glass.

No. 2 1/2. Double

thick.

Price, per 1000, 55c.

by mail, 70c; 5,000,

by express, \$2.50

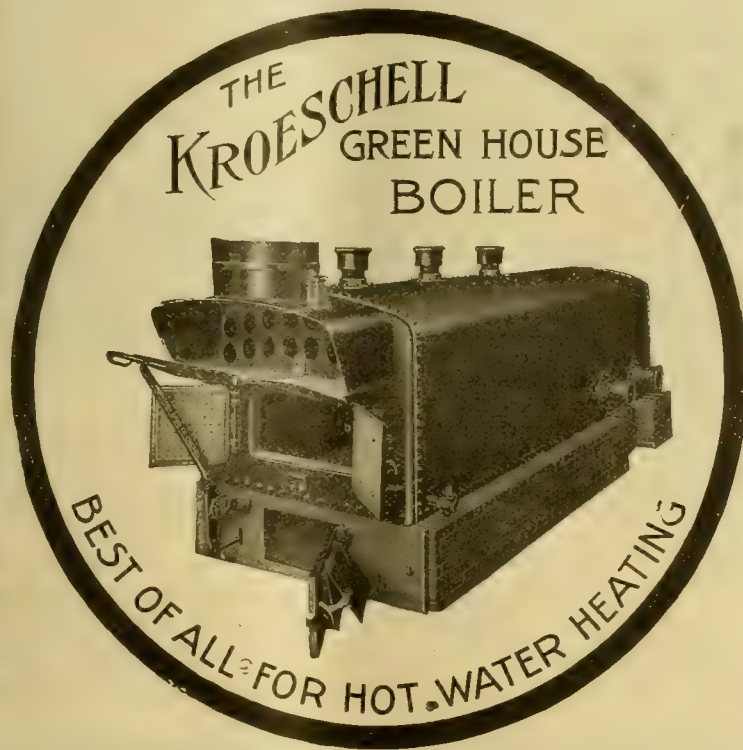
**VAUGHAN'S
SEED STORE
Chicago, New York**

Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Elliott, W. H., Brighton, Mass.
Ford, M. C., New York.
Fronent, H. E., New York.
Greiner, N. Y. Florists' Ass'n., New York.
Growers' Cut Flower Co., New York.
Gunter Bros., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuebler, Wm. H., Brooklyn, N. Y.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Leakes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Millang, Chas., New York.
Moltz & Co., New York.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Nielsen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Pochmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, P. J., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Totty, Chas. H., Madison, N. J.
Traendly & Schenck, New York.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wietor Bros., Chicago.
Winterson Co., Ed., Chicago.

WHICH DO YOU WANT?

CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), **OR**

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits.)



KROESCHELL BROS. CO., 452 W. Erie Street,
CHICAGO, ILL.

WHAT THE USERS SAY

— ABOUT —

KROESCHELL BOILERS

Cast Iron Boiler Cracked in Two Years.

We have a No. 4 Kroeschell Boiler. It takes care of 7000 sq. ft. of glass; it would take care of twice that amount.

I first had a new cast iron boiler which lasted two years, when it cracked to pieces. The second was a second-hand boiler.

I consider your boiler the best paying investment I ever made.

You can refer anyone to us.

MARYSVILLE FLORAL CO., Marysville, Ohio.

Cast Iron Cannot Be Compared with Kroeschell.

We bought a No. 2 Boiler in 1904. It takes care of 5000 sq. ft. of glass, and we could add 2000 more. We are very well satisfied. We used a cast iron boiler before we had yours. It cannot be compared with the Kroeschell Boiler. Your boiler has certainly a great capacity for heating water.

HALL & ROBINSON, Montreal, Canada.

Kroeschell Better than Cast Iron.

I bought a No. 6 boiler in 1903. It has now 10,000 sq. ft. of glass, and we could add 3300 more. This is ahead of five or six cast iron boilers which I have used. I saved \$50 per season on the coal bill.

M. C. WARD, Quincy, Mass.

I bought a No. 4 boiler in 1902. Has 7000 sq. ft. of glass; could add 200 more. It is perfectly satisfactory. Would keep only Kroeschell Boiler. Would not have a cast iron boiler for a gift.

GEO. ENGEL, Xenia, Ohio.

Mr. Engel has increased his Plant and ordered another No. 4 Kroeschell.



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog—your way: it will interest you.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY, Retailers of Everything in Lumber.

Edgewater and Roschill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

D. D. Johnson's Celebrated EVERGREEN BRAND FLOWER AND LAWN FERTILIZER

Unrivalled For All Floricultural and Horticultural Purposes

GENUINE PLANT FOOD

For Sale by Leading Dealers and Jobbers Everywhere

Copyright and Registered U. S. Patent Office, 1910.

All rights reserved by

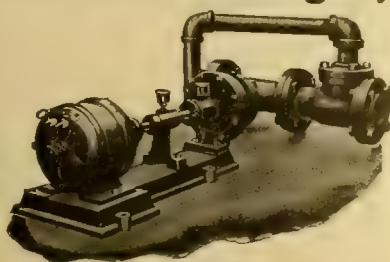
United Fertilizer Company
Manufacturers

143 North Wabash Avenue

Chicago, Ill.

Mention the American Florist when writing

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

STANDARD WATER SUPPLY SYSTEMS WITH DIRECT PRESSURE

Involve many points of recognized superiority. Our system of direct pressure eliminates all necessity for overhead or storage tanks and is easily and quickly installed owing to the simplicity and strength of design.



No matter whether you are in the market for "Standard" Engines at this time or not, a copy of our newest catalog No. 12 should be in your hands. It is replete with the latest ideas and innovations for watering systems, and containing many plans for greenhouse uses.

A COPY IS WAITING FOR YOU. SHALL WE MAIL IT TODAY?

THE STANDARD PUMP AND ENGINE CO.

18 Michigan Street : : : : Cleveland, Ohio

Study this
Design

Aphine
*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, red spider, thrips, mealy bug, brown and white scale.

Universally endorsed by commercial growers and professional gardeners of reputation as the insecticide that does excel all.

\$2.50 per Gallon. \$1.00 per Quart.

FUNGINE

"Actions Speak Louder than Words."

So we are willing to let the merit of this comparatively new fungicide speak for itself. We claim it has no equal for mildew, rust and wilt attacking flower, fruit or vegetable plants. A trial will convince you.

\$2.00 per Gallon. 75c per Quart.

Aphine and Fungine are spraying materials, readily soluble in water, used at various strengths, according to directions on each can. They are equally effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Manufactured by

Aphine Manufacturing Co.

Madison, N. J.

M. C. Ebel, General Manager.

FERTILENE, The Ideal Plant Food

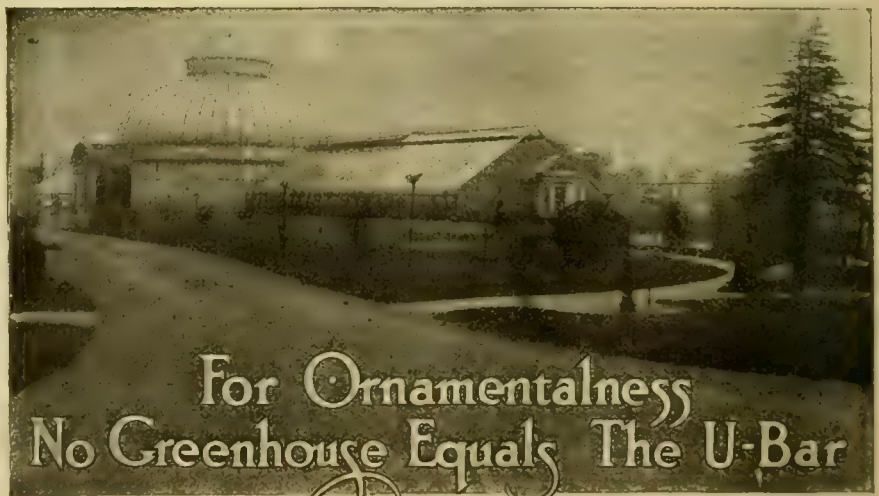
Especially prepared for the production of **LUSTY CHRYSANTHEMUM BLOOMS.**

Ten pounds, \$3.00; Twenty Five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.



For Ornamentals
No Greenhouse Equals The U-Bar



This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved cave on a greenhouse does not make it a U-Bar curved cave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalogue and find out just why.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK.

CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL



See that pile of high grade pig iron—that's one reason why Burnhams last the way they do last.

High Grade Pig Iron Goes Into the Making of Burnham Boilers---No Low Grade Scrap

That's why Burnham's are so tough.

That's why they wear so long.

Scrap iron is any old iron—high grade, low grade, any old grade, mixed together.

It might make a good boiler, and then again a mighty poor one—you never can tell.

The kind of boiler you are willing to put your money in must be made out of high grade iron—tough iron straight from the blast furnaces—



But this pile is quite another story—scrap iron. Good for some purposes, but we refuse to put a pound of it in our boilers.

iron that has never been used for anything before. Every ton of pig iron that goes into Burnham boilers is first tested for its purity, its toughness.

These tests cost us a lot of money, but they do away with guess work.

You can depend on Burnhams because they are made right—made of the right iron—made by the right people.

If in a hurry, wire at our expense. Boiler shipped same day order is received.

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Building

Philadelphia
Franklin Bank Building

Boston
Tremont Building

Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

WE ARE SPECIALISTS IN Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield, Mass.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,

CHICAGO.

L.D. Phones: Lincoln 410 and 411

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch Street,
Send for our new catalogue,

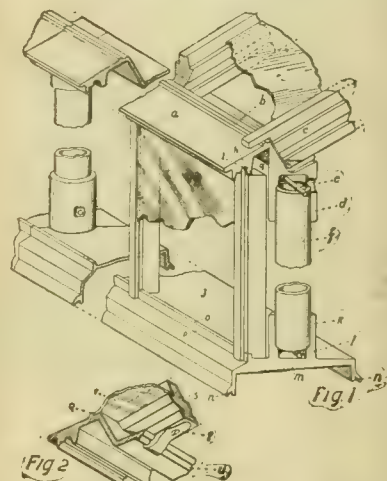
PHILADELPHIA, PA.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Metropolitan Material Co.PATENT IRON SIDE WALL
CONSTRUCTION

With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

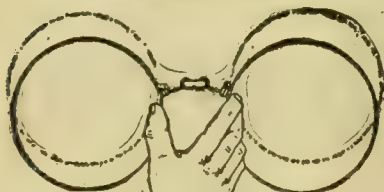
The above is only one of the many latest and up-to-date materials we have. Get our prices on **Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.**

1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.

Mention the American Florist when writing

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

Black flies and green flies are easy to kill with

**"TIP TOP" BRAND
TOBACCO POWDER**

FOR FUMIGATION AND SPRINKLING

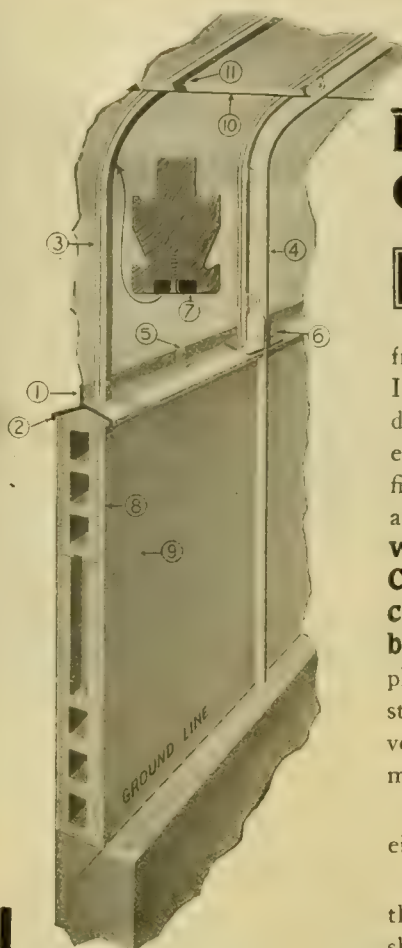
WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

Mention the American Florist when writing

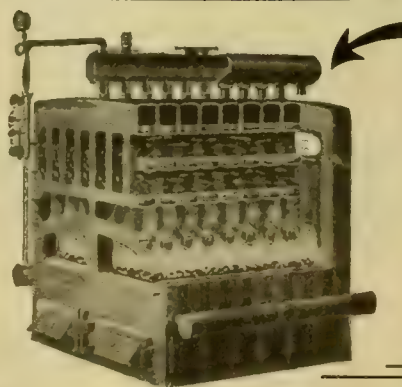
**HITCHINGS
CURVED EAVE**

Right at the start, get it out of your mind that our Curved Eave is an imitation or infringement of any other Curved Eave. It absolutely is not. It's an entirely different construction from any others. In detail it is the same as our first Curved Eave which was originated by us over nine years ago and **which was the first Flat Rafter Curved Eave construction ever constructed by any greenhouse builder.** From the first it was simplicity itself—today it is still the same strong, neat, light eave, entirely devoid of any cumbersome reinforcement fittings.

It is economically adaptable for either commercial or private houses.

Send for the new catalog, which thoroughly explains each number as shown on this illustration.

Hitchings & Co.,
ELIZABETH, NEW JERSEY.

**Boynton Furnace Co.**SOLE MANUFACTURERS OF
BOYNTON'S**WATER and STEAM BOILERS**

FOR HEATING ALL KINDS OF BUILDINGS

Especially Adapted to Heating Greenhouses

New York { Chicago } Jersey City
 { 131 W. Lake St }

—BURNED CLAY—
TILE BENCHES and TILE BOTTOMS
Give results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottoms and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Mention the American Florist when writing

The Early Advertisement Gets There



Here's a World Beater Record Our Dubble Lite Sash Made.

TWO sash frames were planted with lettuce on same day last February—one was covered with our standard single light sash—the other with our new improved Dubble Lite. The single light sash were matted and shuttered carefully—the others were never covered.

The mercury went down below zero several times.

In forty-nine days the single light lettuce averaged ten inches across. The Dubble Lite averaged fourteen inches.

Want to see the photographs?

We have always believed there was something to be said in favor of double light sash, but the results from our improved Dubble Lite kind have so far exceeded other kinds that we are now heartily recommending them to all our customers.

There's only twenty-five cents difference between the price of the unglazed single and Dubble Lite—and oh! what a difference in the work and the results they give!

All orders filled same day received.



Lord & Burnham Co.

SALES OFFICES:

New York Philadelphia
St. James Bldg. Franklin Bank Bldg.
Boston Chicago
Tremont Bldg. Rookery Bldg.

FACTORIES:

Irvington, N. Y. Des Plaines, Ill.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England



Peter Henderson Puts in Hitchings Steam Heating.

Not being satisfied with fifty-one weeks of Troubles, our Trouble Man used some of his vacation days to prow around among the greenhouse men. One day he dropped in at the Peter Henderson range, Jersey City, and found enough trouble to hold him for that day.

As a solution of the trouble, they gave The Trouble Man an order to rip out the old heating system from all the thirty houses, and install an entirely new Hitchings steam system.

Just five days after the order was placed, our men and materials were on the job, and the work going merrily on.

Just now we are handling all our heating jobs just that promptly. But in a short time, the rush will be on, and someone will, just as sure as preaching, have to wait.

Don't you be one of the waiters. Send for the Trouble Man, and get ahead of the "Sleepy Hollow" fellows.

Hitchings & Company,
Elizabeth, New Jersey.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

REED & KELLER, 122 W. 25th St., NEW YORK. FLORISTS' SUPPLIES

We manufacture all our

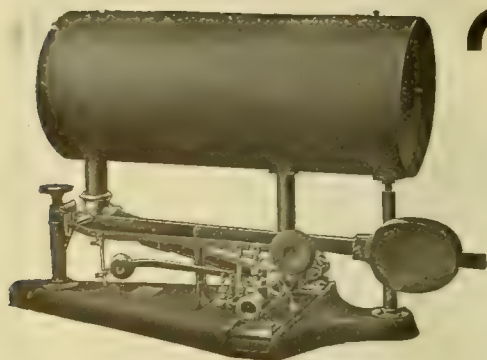
Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

M. WINANDY CO., Mfgs.

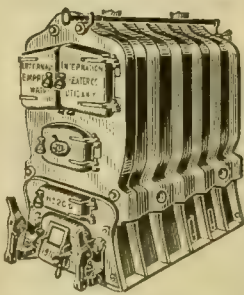
Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St., **CHICAGO**
Telephone Ravenswood 607.

Mention the American Florist when writing

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.



Describe a
First-Class
Greenhouse
Boiler.

Fuel capacity
for the longest
winter.

Simple enough
to be fool proof
and conserva-
tively rated.

That is the
**INTERNATIONAL
Empress Boiler**
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No 2**

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes,
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES

—OUR SPECIALTY—
WRITE FOR FIGURES.

527 Plymouth Place, **CHICAGO**

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, **Berlin, N. Y.**

Sample free. For sale by dealers.

NOW READY

The American Florist Company's

Trade Directory **FOR 1912**

Contains 646 Pages.

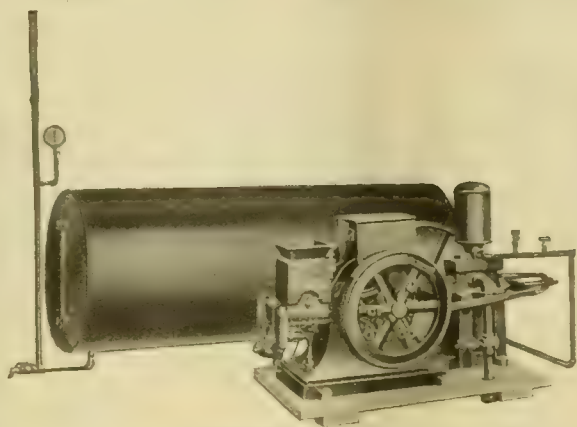
Price \$3.00 Postpaid.

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St., CHICAGO

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.
EVERYTHING FOR THE GREENHOUSE



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price **\$4.90**
4C12005, with arms, price..... **\$5.65**
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

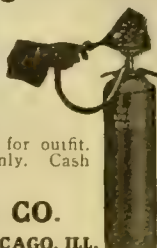
CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one who knows the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

**J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :**

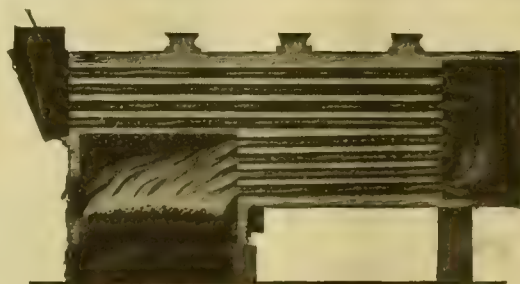
CHICAGO, ILL., March 12, 1912.

SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

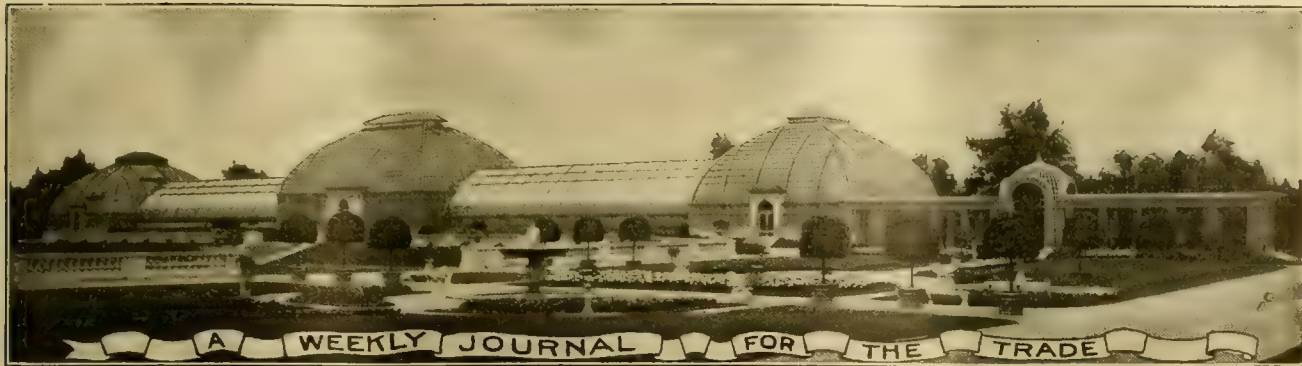
Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA



THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, SEPTEMBER 21, 1912.

No. 1268

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Fall Propagation.

There are many of the plants used for bedding purposes that are better propagated in the fall, for cuttings are more readily obtained, root easily and allow time for the growing of good stock. Ivy geraniums, to have fine plants in the spring, are much better propagated at that time. Vincas for the spring sales propagated in September make fine plants by the first of May. The long shoots can be cut up to two eyes each and they will root in three or four weeks, then potted in 2½-inch pots and kept cool until February, when they should be potted into 4-inch pots and grown along the sides of the beds or benches. Abutilons should be handled in a similar manner. The tender tips should be used for the cutting and these should be kept well watered and shaded until roots are formed, when they can be potted and kept cool until towards spring. The pelargoniums that were cut back and dried off last month should now be made into cuttings and should be taken and placed in the cutting bench. There are also many plants that the stock should be looked out for at this time and a few plants lifted and housed before frost. Many growers prefer to raise their salvias from cuttings and in this case a few plants can be potted and grown on. Any extra good double petunias should be lifted. Pyrethrum or feverfew, coleus and the other soft wooded plants should be selected and potted that they may become established before cool weather.

Sweet Peas.

The early sown sweet peas will soon need some support, and the plan most generally adopted by growers with peas inside is to pass strings around the plants fastened to stakes at each end of the row. If the rows are lengthwise of the bench stakes to which the strings may be fastened will have to be arranged about every ten feet. As soon as the plants have attained a height of six inches the first string should be tied on and strings should be added every six to eight inches as these plants grow taller. The plants must be kept growing straight throughout their culture, so they must

have strings quite close together for their twining arms to catch upon, and if when the plants are in bloom they are not kept tied up a large number of the flowers will have crooked stems. Care must yet be taken with the watering and until the plants show active growth they should receive but little water, being kept on the dry side. If allowed to be too wet, stem rot will result and the plant will die. If sweet peas are to follow the early chrysanthemums the seed can now be sown. Three or four seeds in a 4-inch pot will be right for this time, for they will have to grow in the pots about six weeks, the middle of November being about as early as the chrysanthemums can be cleaned out and the beds made ready. Careful watering will be the watchword for the young seeds and do not thin out too early. Wait until the plants are in good growing condition, when they can be thinned out to one plant in a pot.

Cyclamens.

In order to have nice large plants of cyclamens for another year, now is the time to sow the seed. This can be deferred until later and the seed planted at any time until the first of the year, yet it is much better to start them early and obtain a nice well-foliaged plant full of bloom in a 6-inch or 7-inch pot than a smaller plant with but few blooms and flowers, which is sure to be the result with the later sown seed. Soak the seed for about 24 hours in tepid water and place the receptacle in a warm place, and plant in flats about one-half to three-quarters of an inch apart and there will be need for but little further labor until later in the winter. Be sure and have a light porous soil with a good proportion of leaf mold. The plants that are to be in bloom for Christmas should now be making good growth and be in the blooming pots. Any buds that show up at this time should be removed. Give the plants plenty of room and leave them from now on in full sunlight and in a cool, well-ventilated house. A sharp lookout for aphids must be kept up and regular fumigation continued. The plants for late winter and spring blooming can

Index to Advertisers,
Page 562

Ready Reference Advs.,
Page 563

Help and Situations Wanted,
Advertisements,
Page 529

be kept out in the frames as long as safe from frost and then placed in cool quarters until time to give them more heat, which will depend upon the time they are wanted in bloom.

Pansies.

The pansies for early spring trade should be placed in the frames that they may become established before freezing weather commences. Make the soil good and rich. It is the plants with large flowers in the spring that find the quick sales and these cannot be obtained in poor soil. Set the plants about five inches apart and water well after planting. Keep those of a kind together and plant all the mixed lots adjoining. There is more time wasted in the retail selling of pansies than any other flower, traveling back and forth over a mixed bed trying to pick out a nice assortment. This is especially so with some customers and in setting out the plants try to prevent this as much as possible. When freezing weather comes cover the frames with sashes which will prevent the snow from lying too heavy upon the plants and also much freezing and thawing. If frozen for months and covered with sash no harm will be done, but if a warm spell should come on, the sashes should be raised to allow ventilation.

Anemones and Ranunculus.

The grower desirous of having something out of the ordinary in early spring should grow a few anemones and ranunculus. The bulbs are inexpensive and will help to increase the variety at a time when the flower users are looking for something that they have not seen all winter. No doubt failure in starting these bulbs has caused many growers to give up the attempt of their culture, but if once understood they are as easily grown as any other of the bulbous flowers. The bulbs should be planted in flats close together and covered with about half an inch of soil and then placed under a bench in a cool house. Under no circumstances water the soil or place them where water will drip upon them, for if they become wet they will surely rot. Place papers over the flats to prevent evaporation and in about three weeks the bulbs will throw out roots and the tops start. They can then be placed in pans or in the benches and grown as any other bulbs are handled.

DALLAS, TEX.—The Richmond Floral Co. has filed articles of incorporation and let contracts for the building of five greenhouses, 27x200 feet, to be completed in the next sixty days. The incorporators are A. L. Miller, A. M. Vaughan and J. W. Crotty, of this city.

COLUMBUS, O.—Alleging that the defendant broke a contract in opening a flower shop, Charles R. Wheeler, administrator of the estate of the late William Graff, has brought suit for damages against Samuel Graff, a brother. Mr. Wheeler charges that Samuel Graff sold his interest in the business to his brother four years ago with the agreement that he would not engage in similar business in this city. After William Graff's death in February Samuel is alleged to have opened a shop on East Gay street. Mr. Wheeler is conducting the William Graff store for the widow.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Prices of Floral Work.

We happened to be in a party all of whom were connected with the florist's business in one way or another, not long ago, and one mentioned that a certain dealer had arranged a wreath for which he had charged \$50. Another of the party then said, "Well, I call that robbery, for it is not possible to put \$50 worth of flowers in a design of that size." We immediately thought that the majority of those in the trade placed the value of floral work altogether too much on the cost of the material of which it was composed, and not upon the value of the ability of the one who arranged the flowers. The majority of florists, if they have a wreath to make for \$10, and then another for \$20, think that the second must simply be twice as large or contain flowers of twice the value. There is a certain class of trade that is carried away with size, but there are also many people who much prefer a beautiful arrangement of nice flowers, and are perfectly willing to pay a good price for artistic work.

We are certainly of the opinion that with a great many who consider themselves flower designers, that the only difference they make in their work is the quantity of material that they use, but there are also many who have that ability of placing an artistic touch to every flower piece that they arrange, and such a one should be able to obtain a remunerative value for his or her ability. We do not have to look far in other trades to see examples of this. We are only too glad to purchase a book by an able author and pay \$1.50 or \$2.00 for it, still we may buy a book that is much larger and perhaps as interesting for 50 cents or even 25 cents, but we are willing to

pay for the ability and reputation of the author. A certain tailor may charge \$35. or \$50. for a suit of clothes, yet a suit of equally good material can be purchased for two-thirds or one-half that price at another store, but this cheaper suit will never have the fit or style of the more expensive one, and those that can afford it are willing to pay the difference. In no trade is the ability of the designer appreciated so much as in the trimming of hats. In a case in court that figured very prominently in one of the larger cities, the press made much comment of a \$250 hat, yet it was admitted before the case closed that there was not more than \$25 worth of material in the creation of the milliner. So it is with flowers, when they are artistically arranged, the designer of ability, especially when he knows he can produce a better article than is generally made has a perfect right, the same as the artist that can paint a beautiful landscape, or the tailor or milliner, to charge a good price for his work, and it cannot be considered in any sense robbery. We never hear this in other trades, and it does not help the florist business to continually hear such comments made upon rival tradesmen.

DESIGNER.

Tumbler Baskets.

These are not baskets that tumble, but are small baskets known by this name because they are made either with or are just large enough to hold, an ordinary tumbler or small tin cup. They have come into vogue the past year and are quite popular among the trade for advertising purposes, being used for window displays or to fill in large quantities for special or week-end sales. They cost from \$8 to \$15 per hundred. Glasses suitable for them can be purchased in almost any china shop at from \$2 to \$3 per hundred. When handled in a small way, such as a few in the window or on the end of the counter, filled with short



TUMBLER BASKET OF ASTERS AND CELOSIA.

roses or a combination of cheap flowers, to attract the customer who does not want to spend much, they are finding a place in many stores. They are seen in a variety of shapes and colors and made of more or less expensive materials. In filling, the glass is filled with water, the flowers gathered into a bunch and stuck in, or the glass is filled with sphagnum and then with water and the little basket made up. For quick selling with the same kind and amount of flowers in each they are quickly gotten together and a window full of them is sure to attract attention, with good results. A small bow of ribbon is tied on each handle, which adds to their attractiveness. The tumbler feature which insures the flowers being always in the water, makes for the success of the transaction, as otherwise the flowers would hardly keep over night in a warm room. Many large flower baskets are now supplied with zinc linings. In these the moss is made as wet as possible without letting the water spill. K.

Forcing Lilacs.

Felix & Dykhuis, well known horticulturists of Boskoop, Holland, have prepared the following interesting and instructive article on how to force lilacs:

One of the most popular shrubs for forcing is the lilac. Their large trusses of fragrant flowers are universally admired and the erect way they carry their blooms give them a stateliness of form and noble appearance which is not easily rivalled.

Before a lilac can be forced into bloom it wants a period of rest. The plants when grown in pots go into a dormant state about the latter part of October. A well-grown lilac differs from a poorly grown one not always by its larger number or thickness of its branches. Both plants may look almost alike. Sometimes the shape and appearance are in favor of the badly grown one. The chief value lies in the way they are treated during the summer. They should be grown in such a way that they go into the dormant state early and yet have stored sufficient nourishment to feed a full sized flower. It is easy to grow a nice looking lilac, but hard to grow an easy flowering one. If the roots are allowed to grow over the pots they make a strong growth and a field of lilacs grown in this way looks very healthy and fine as a rule, but their value for forcing is very doubtful.

When the lilac plant goes into a dormant state in October nature has not yet fulfilled its task. Although the superficial observer sees nothing uncommon on the buds, inside of them there goes on a number of chemical processes that makes them ready for the coming spring. Not before the buds are fully prepared a full sized flower can be produced. The winter, with its frost and snow, when all trees look apparently dead or asleep, nature continues to care for her children and prepares and develops them to objects of beauty which are admired by all of us. This secret, hidden process is of great importance for the coming flower and must be considered when we think of anticipating the rules of nature.

Before the plants should be forced into flower it is necessary that the period of rest is sufficiently advanced. That's why a plant forced in Janu-

ary or February forces easier and gives better results than when forced in December. To shorten this period of rest, freezing, hot water treatment and etherizing is applied with good results. Plants that have been exposed to frost have their period of rest shortened. For this reason it is advisable to heel in the plants outside so they are exposed to frost. Hot water treatment is best applied in a basin of water of 80 to 95° Fahrenheit. Only the buds and shoots need to be treated, the rootballs are left out. This treatment takes about 6 to 10 hours. If the temperature of the water is lower (70-80° Fahrenheit) 10 to 12 hours will be necessary. Plants that have been exposed to frost need

of forced plants. When lilacs flower outdoors they do not make the large trusses and flowers as when properly forced.

When the lilacs are taken into the hothouse they should at once be given at least 80 to 90° Fahrenheit. If it is not possible to give them as much heat from the greenhouse pipes and if there are other plants in the same house that do not require so much heat, we would advise to place the lilacs in one end of the house and have this part separated from the other part with boards, glass or canvas. Then to bring the heat of the division to the necessary temperature it is advisable to place inside a stove and on top of this a vessel of water. The



SMALL GYPSY BASKET, WITH ZINC LINING, FILLED WITH PHLOX, SNAPDRAGONS AND MRS WARD ROSES.

shorter treatment. Etherizing is done in an airtight box in which ether is placed and vaporized. This treatment takes about 24 hours.

Although it is rather difficult to give definite rules for forcing lilacs, it must for the greatest part, be left to the forcer to understand the exact needs of the plant and his requirements as to watering, airing and heating. Lilacs can be had in bloom at Christmas but the success with them is not very sure when they are not previously exposed to one of the three ways to shorten its rest period. The later the plants are brought inside the better. They force easier and make better flowers and trusses. Lilacs want a high temperature and to let them come slow, or as some florists, sometimes say, "almost natural" is entirely wrong. They should be forced. The meaning of that word clearly expresses itself. To let them come slow, is not forcing, and the results are not the same as can be expected

heat of a stove is very favorable to lilac forcing. It makes the air dry where the boilers make it damp. Stove heat is very recommendable. One has to take care to spray abundantly 3 or 4 times a day through the branches and buds and also to have the rootballs in the pots sufficiently wet. On account of this spraying the surface of the soil will look rather wet, but this is deceitful, for the lower parts of the balls are sometimes too dry. On the other hand the balls should not be too wet. The plants do not consume much water in the first 8 days and if too wet the roots will get rotten. Here it is where the forcer should use his own judgment a great deal. He should know how much or how little has to be given. The buds have to be constantly kept moist. Within 10 to 12 days the buds break open and are about of a finger length. This is the time to lessen the heat until the trusses have attained their

full size, which takes about 2½ weeks. Also the spraying should methodically be lessened. When the flowers begin to expand, a very thin spray once or twice a day will be sufficient. If the flowers are open the spraying should be stopped. Spraying on the open trusses is ruinous to the blooms. The last 8 or 10 days the lilacs can get sufficient heat from the greenhouse pipes and it is only with dark, wet weather that the stove needs to be used. During forcing it is well to give them once in a while a little airing.

The variety Charles Dix has a very fine lavender color but if forced wrong turns into a dirty white, which is neither wanted nor desirable. To insure this variety its beautiful color it is necessary to place the plants cooler after the second week of forcing and in a place where it is possible to give them fresh air from the outside through the ventilation. This should not be done when it freezes. Charles Dix, when flowering outdoors, is always blue. Even those plants which do not show good color in forcing get the right color outside.

Mary Legrave, single white, is the easiest to force, consequently the earliest. After this variety comes Charles Dix, single lavender, and Souvenir de Louis Spath, single purple, Mad. Lemoine, double white and President Grevy, double lavender. Experiments in forcing a number of other varieties, some of which are beautiful out of doors, generally proved to be of no value for forcing. Neither did they make enough buds when grown in pots.

Fame.

William Shakespeare was a dramatist some 400 years ago. Today a namesake of his is a jobbing gardener in a London suburb.

One day, as W. S., the latter, was chewing up the grass with his lawn mower, his employer for the day, a newcomer asked him:

"By the way, gardener, I have never heard your surname. What is it?"

"Shakespeare, sir," was the reply; "And my first name's William."

A broad smile stole over the other's face.

"What! William Shakespeare?" he exclaimed jestingly. "I seem to have heard that name before."

"Dare say ye have sir," replied the gardener casually; "I've worked about these parts for a good twenty year or more."

In the Ground Pine Woods.

"Most of the deer have left this part of the country."

"Yes," replied Farmer Cornloss. "You know, a deer is a tender-hearted kind of an animal, and I s'pose the critters couldn't stand it to hang around an' see the way them hunters shot one another up."—Washington Star.

From Bucket to Brush.

She (in art museum)—"They say that famous marine artist was once a plain farmer's boy. I wonder where he developed his talent?"

He—"Probably drawing water on the farm."—Boston Evening Transcript.

CHRYSANTHEMUMS

Revised Classification.

The classification of the many forms of chrysanthemums does not greatly interest most of the growers, and yet if we speak or write of them intelligently there must be some way to impart a lucid idea of their character. A committee selected from the floral committee of the National Chrysanthemum Society of England specially for the purpose of revising the classification has made the following unanimous report.

SECTION I—INCURVED.

The distinguishing characteristics of this section are the globular form and regular outline of the blooms. The flower should be as nearly a globe as possible, as depth is an important point in estimating its value. The florets ought to be smooth, rounded, or somewhat pointed at the tip, of sufficient length to form a graceful curve, and be regularly arranged. A hollow centre or prominent eye are serious defects, as also a roughness in the blooms, unevenness of outline and a want of freshness in the outer florets.

The section is now sub-divided into: Sub-section (a)—Large-flowered varieties. Examples, Naomah and Mary Donellan.

Sub-section (b)—Medium and small-flowered varieties. Examples, Major Bonnaffon and Arline.

SECTION II—JAPANESE.

Japanese varieties include a wide range of form, size and color. Their florets may be either flat, fluted, quilled or tubulated, of varying length, from short straight spreading florets to long, drooping, twisted or irregularly incurved ones. In breadth the florets may vary greatly, ranging from those an inch in width to others scarcely broader than a stout thread. Some also either have the tips of the florets cupped, hollowed, curved or reflexed.

(a) Large-flowered varieties. Examples, C. J. Salter and M. Loiseau-Rousseau. (b) Medium and small-flowered. Examples, Mrs. Roots and Le Pactole.

Sub-section 3, Hairy Japanese. Example, F. J. Taggart.

SECTION III—ANEMONES.

The distinctive characteristics of anemone varieties are their high neatly formed centers and regularly arranged ray florets. There are two distinct sets of florets, one quilled and forming the center or disc, and the other flat and more or less horizontally arranged, forming the border or ray. The flowers may have the ray or guard florets broad or twisted, or narrow and forming a fringe, but should be so regularly arranged as to form a circle round the center. The latter should be a hemispheroidal disc, with no trace of hollowness and every floret in its place.

(a) Large-flowered, i. e., with a diameter of 3 inches and upwards. Examples, Mrs. F. Gordon, Dexter and Surprise.

(b) Small-flowered, i. e., with a diameter of less than 3 inches. Examples, Ada Sweet and Lida Thomas.

SECTION IV—POMPONS.

Pompon varieties have blooms that may be somewhat flat or nearly globular, very neat and compact, formed of short, flat, fluted or quilled florets, regularly spreading or erect, the florets of each bloom being of one character.

(a) Large-flowered, i. e., with a diameter of 2 inches and upwards. Examples, Diana and Julie Lagravere.

(b) Small-flowered, i. e., with a diameter of less than 2 inches. Examples, Minta and Zenobia.

SECTION V—SINGLES.

Single varieties may be of any size and form; but the florets, whether short and rigid or long and drooping, should be arranged sufficiently close together to form a regular fringe.



THE DELIVERY CAR OF THE OLD DUTCH MARKET IN THE WASHINGTON PARADE.

Sub-section 1, Japanese: (a) Large-flowered varieties. Examples, F. E. Nash and F. S. Vallis. (b) Medium-flowered varieties. Examples, R. F. Felton and Patty. (c) Small-flowered varieties. Examples, Roi des Blancs and Carrie.

Sub-section 2, Incurved Japanese.

Sub-section 1—Varieties with one or two rows of ray florets. (a) Large-flowered, i. e., with a diameter of 3 inches and upwards. Examples, Catherine Livingstone and Arlee. (b) Medium and small-flowered, i. e., with a diameter of less than 3 inches. Examples, Anna and Little Barbee.

Sub-section 2—Varieties with three to five rows of ray florets. (a) Large-flowered, i. e., with a diameter of 3 inches and upwards. Examples, Hilda Wells and Merstham Jewel. (b) Medium and small flowered, i. e., with a diameter of less than 3 inches. Examples, Mary Richardson and F. W. Smith.

Sub-section 3—Anemone-centered varieties. Example, Kathleen May.

SECTION VI—SPIDERY, PLUMED AND FEATHERY.

Varieties in this section have small or medium-sized flowers of eccentric shape, but most frequently of a light and graceful character; some have thread-like florets and some have broader florets, but they may be either erect, horizontal or drooping and of various shapes and colors. Examples, Mrs. W. Filkins and King of Plumes.

Many of the varieties given in the original report, as examples of the types, are little known in this country and for the sake of comprehensiveness we have substituted in some instances, other kinds, with which the American growers are more familiar. This revision has not as yet been officially approved by the Chrysanthemum Society of America, but should be considered at its next meeting, as a uniform basis the world over from which to make such deductions, has many advantages.

ELMER D. SMITH.

Busy Season at Hand.

This is the time when the chrysanthemum grower is the man with many jobs on his hands that require his daily attention in the care of his plants. The different varieties continue to form their buds, which means that the taking of the buds should still be one of the leading features of the routine work. All buds should be taken as they appear from this date on. The early and second early varieties ought to be finished up so far as taking the buds is concerned and this holds good with a number of the midseason commercial varieties. The later midseason and late varieties will bud up steadily right along and should receive attention as soon as large enough to handle properly. After the disbudding any side shoots that may have been overlooked will push out rapidly and very soon begin to sap the strength from the plants. To guard against this it is a good policy to go over the beds and examine the plants, removing any side growths that have been left.

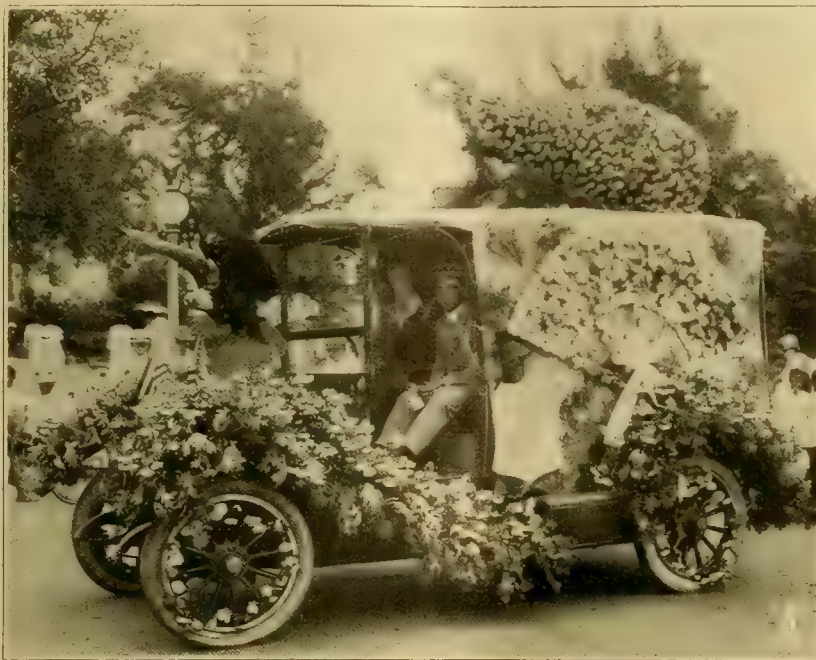
Another very important feature that would seem to be hardly necessary to mention here is to properly secure the plants so that the stems will be straight and stiff. They may have been tied up a time or two earlier in the season, but there are very few varieties that will not need a going over again directly after the buds are set. To prolong this work a week or ten days will make the job so much harder owing to the ripening of the wood. After the buds are taken the question of feeding with liquid manure suggests itself. The extent to which this should be carried depends on the object in view for the blooms. If intended for exhibition and the plants have already been treated liberally, the condition of the foliage should be a guide for further feeding. If the foliage is thick and brittle it is an indication the plants are getting more than enough and there should

be a gradual let-up in the strength and quantity.

Weather conditions must also be taken into consideration in the feeding of the plants. During very hot weather such as we are getting this first week in September when the temperature is hovering around the 93-95 degree mark daily very little feeding should be done. To guard against any overforcing of the plants, as soon as the weather cools off a bit the feeding can again be gradually increased, provided the condition of the plants

Scales for Judging.

At the close of the Western exhibitions last year there were some misgivings or criticisms expressed or implied regarding the awards. To substantiate such a version of the judges' findings, the scale for judging exhibition varieties was cited as conclusive evidence. If my memory serves me right, the scales for judging commercial and exhibition blooms were arranged more for the use of the committee in considering new sports and



G. C. SHAFPER'S DECORATED AUTOMOBILE IN THE WASHINGTON PARADE.

will permit. A strong healthy plant will use up lots of stimulation to the benefit of the size and finish of its blooms. On the other hand, all the feeding in the world will not put a massive bloom on a weak plant. The plants for commercial cut blooms that were planted early and have now attained a good strength will also stand liberal feeding once in every week or ten days and there is not anything better for this class of stock than liquid cow manure (using one-half bushel of manure to a barrel of water and allowing it to stand a day or two before applying).

The stock that has attained sufficient strength to produce blooms of the required commercial size can be given a surface dressing of pulverized sheep manure for the roots to feed on, scattering the material over the surface of the beds, then watering it, using judgment not to water too heavily. Also do not allow the soil to become too wet directly after putting on the mulch. Every chrysanthemum grower knows the importance of keeping his plants clear of aphids at this stage of the development when the buds are beginning to expand because it means a great loss to allow the aphids to get the upper hand of the flowers. Now that the plants are heavily clothed with foliage less syringing is necessary and the afternoon syringing can be done away with entirely, so that any watering or syringing that has to be done is finished up by noon.

C. W. JOHNSON.

seedlings, than to be used literally in judging the various types that enter into such competitions. Be this as it may neither of the scales are adequate to do justice to all concerned, when commercial and exhibition types enter into the contest. The judge is bound to exercise his prerogative and favor the type which appeals to him from his point of view. If he be a commercial grower, the symmetrical blooms, with erect stems and fine foliage, are bound to meet his approval, and on the other hand the exhibition grower will consider size as the dominant factor.

It is true we do not grow chrysanthemums for the foliage—our chief object is the bloom—and yet we must not overlook the fact that when considering the intrinsic value, stem and foliage are very important features. Those with poor foliage and weak stems are of little value even though the flowers are of exceptional size. It may be impossible to arrange a scale that will be more practical, but to start the ball a-rolling and get an expression from others interested, we suggest the following, to be used in judging vases containing 6 or more blooms each.

Color	20
Form and fullness.....	20
Size	30
Stem and foliage.....	30

Total 100

In such a scale form and fullness are considered together, and are equal

to the points allotted to color. Stem and foliage equals size, and of the 100 points 70 refer to the qualities of the bloom and the remainder to stem and foliage.

ELMER D. SMITH.

THE ROSE.

Young Stock.

Young stock planted in June should now be filling the soil with roots and during September the roots will work up towards the surface. If when cultivating one should notice the little white feeders it is time to cease cultivating. These surface feeders should never be disturbed. The next thing to do at this stage is to get together some old rotten stable manure, break it up finely and scatter lightly over the beds. This will keep the soil in prime condition and prevent baking, and is not to be considered as a feeding medium. As the days grow shorter one should syringe as early in the morning as possible and be sure the plants are well dried at night. September is the time one usually gets a dose of mildew spot and a little air-slaked lime sprinkled around the walks and the base of the plants, especially Richmond and American Beauties, during cloudy or wet weather may ward off a dose of black spot.

As stated in a previous article, the heating plant should be in readiness at a moment's notice to put into operation. Only a week ago the temperature with us dropped to 50° for two nights. Our boiler was started and sulphur applied to the pipes and no check of any kind has been noticed. Had we been unable to have the steam circulating the houses which had reached a temperature of 100° easily for two weeks would have dropped to 50° in a few hours and in all probability there would have been, to say the least, a slight check resulting from the great change of temperature. This is what we must be prepared for.

The work inside now will vary but if the plants are growing vigorously there will be much tying to do from now on. Do not run one tie around the whole plant and bunch the foliage together but take each growth separately and tie the branches in such a manner that there will be a good circulation of air through the plants as well as between the rows each way. While tying one can cut off a piece of worthless wood here and there or often there are found a few spidery leaves at the base of the young plants carried over from the pots. It is very seldom one can syringe close enough to the pots to keep off all red spiders and these little pests hang on the old foliage which can now be safely removed and destroyed.

Disbudding should now be at its height and it isn't a matter of how much one can do of this kind of work in a day as how much can be done intelligently. Perhaps it may be advisable to state that usually from plants that are carried over and pruned hard in August that in about four weeks or a little longer they will have made a growth and set buds. After the disbudding of the crop the next should appear in about five weeks or a little later. Between October 1 and November 15, about six weeks between crops, or from one cut to an-

other, although we do not advocate cropping on a small range, it is the rule to crop one or two houses on the larger ranges and great care is taken to have good yields at Christmas. The little fellows (to be in the game) must have a few flowers at all times and will fare better by continuous planting, cutting throughout the season, yet trying to have the heaviest cutting at Christmas.

Now is the time to start right by letting a few of the best flowers come in here and there, if the plants are strong enough, and to avoid heavy cutting during the mum season. Don't be afraid to cut back quite hard on the young Richmond plants and to thin out all the weak tinged growths



Connecticut Nurserymen at New Haven.

Old Japanese Stone Lantern on Grounds of Elm City Nursery Co.

regularly. Keep the Richmond open and make an effort to build up some good stocky wood in all of the young stock. This can only be accomplished by cutting back quite hard when disbudding and cutting back to good firm eyes. At odd times one should prepare a good lot of cow manure and turn it frequently, keeping it as dry as possible until used a little later. The buds will require frequent light top dressing and during the fall and winter months one takes quite a risk in using heavy green manure for mulching. One should have some good soil prepared in the fall and stored away and a supply of manure in good handling condition on hand to be prepared to meet the requirements of the plants at all times without worry and extra labor and expense.

If the soil has been properly composted the plants will require very little feeding through the fall with liquids as long as there are the light dressings to help a little. Overfeeding is as bad as underfeeding, perhaps worse, and at all times avoid the heavy mulch. The ventilating will require special attention from now on and one should not rush the sashes up their full limit the first thing these

mornings nor wait until the last minute before quitting at night to pull them down. By all means leave four or five inches of air on at night, a little less on cool nights if there is steam circulating. There is seldom any occasion to close a house down tight (except to fumigate) until late in November.

E.

New York Florists' Club Meeting.

One of the most interesting and enthusiastic meetings of this club took place Monday evening, September 9. There was an attendance of over one hundred. Frank H. Traendly stated that he would make a detailed report of the transportation committee at the next meeting. Philip F. Kessler reported for his committee that the outing had been a grand success and the receipts just paid the expenses, and there would be no deficit to be charged to the club. This committee was discharged with thanks.

I. S. Hendrickson, chairman of the exhibition committee, succeeded in having a very fine display of gladioli, chrysanthemums and roses, and also reported that the October meeting would be dahlia night. John Lange was elected, and George Asmus, Victor Morgan, Clarence Slinn, James Newsham, John Moore and Robert Maenner were proposed for membership.

J. B. Nugent brought up the subject of the steamship companies which refused to give receipts for flowers delivered to passengers on shipboard. He demanded that the club take some action toward remedying this evil. J. B. Nugent, Herman Warendorff and Robert Kohne were appointed a committee for this purpose.

W. R. Pierson gave a detailed report for the committee on publicity, of which he is chairman. The report was received and the committee discharged with thanks. To comply with the resolutions introduced and passed at the Chicago convention of the S. A. F., the following were appointed to the local committee on publicity: I. S. Hendrickson, Herman Warendorff, C. C. Trepel, John Young, Charles Schenck, C. A. Dards, Walter Sheridan, A. L. Miller, Alex. McConnell, Alfred Bunyard, L. W. C. Tuthill, A. T. De La Mare, Leonard Barron, F. R. Pierson, C. H. Totty, W. R. Pierson, M. C. Ebel, H. A. Bunyard, W. E. Marshall and John B. Nugent.

The following committees on resolutions were appointed: On the death of W. R. Smith—P. O'Mara, W. A. Manda, C. B. Weathered. On the death of Mrs. A. S. Burns—P. J. Smith, John Donaldson and Philip Kessler. On the death of Alexander Holt—J. Austin Shaw, R. E. Berry and W. C. Rickards, Jr. A local committee of three will be appointed later to take charge of the subscriptions for the Smith memorial fund. This committee will work in harmony with the committee appointed by the S. A. F. at Chicago.

Secretary John Young of the Society of American Florists gave a detailed report of the trade exhibition held at the time of the convention in Chicago. Mr. Young expressed his appreciation of the kind treatment received and spoke highly of the help given him by the people of Chicago and also of the exhibitors, who had made the work of the trade superintendent so pleasant, stating that he

had been especially fortunate in having George Asmus of the advisory committee at his back at all times, getting the benefit of the very best experience that Mr. Asmus had obtained while managing so many flower shows in the Coliseum. It was through the efforts of Mr. Asmus that the Coliseum people permitted the exhibitors to get into the building on Thursday preceding the convention, and giving them until Tuesday following the convention to remove their exhibits. There is no question but that Mr. Asmus is a past master in managing flower shows or exhibitions of any kind.

(30) roses, new seedling, vote of thanks (exhibitor does not wish it scored at this time); 1 vase new hardy aster, lavender color ("Climax"), highly commended.

Exhibited by E. S. Miller, Wading River, N. Y., collection of gladioli, thanks of the club. The sample of No. 88 is far superior to the Augusta exhibited.

TREASURER'S REPORT.

The semi-annual report from January 1 to June 30 of Treasurer William C. Rickards, Jr., showed resources of \$5,500.62 and disbursements of \$1,062.70, leaving a balance of \$4,237.92. The supplementary report from June 30 to Sept. 9 shows a balance of \$4,302.92.



DAHLIA SHOW AT TACOMA, WASH., SEPTEMBER 6-7.

President Richard Vincent, Jr., made a most interesting address on convention matters in general and gave an account of the work he had accomplished thus far as president. An ovation greeted John K. M. L. Farquhar when he was introduced to the meeting. In an enthusiastic speech Mr. Farquhar spoke of the coming International Flower Show, promising his support in every way and could already see that the show would be an unparalleled success. The only question that might arise, he said, was the question of sufficient room to house the exhibits, which will be shown in the trade exhibition.

W. A. Manda gave a most interesting account of the International Flower Show held in London last spring. Patrick O'Mara also gave an interesting talk on convention matters and moved a vote of thanks to the Chicago Florists' Club and also the Ladies' Auxiliary Society of Chicago.

Seldom at any meeting of the club has there been so much enthusiasm shown as at this meeting, and there can be no doubt in the mind of any one present about the success of the International Flower Show. It might well be called an International Flower Show meeting.

THE AWARDS.

The committee of awards made the following report:

Exhibited by John Lewis Childs—collection of gladioli (Fire King No. 6), honorable mention.

Exhibited by Charles H. Totty, Madison, N. J.—1 vase (12) chrysanthemums ("Smith's Advance"), honorable mention; collection of hardy outdoor grown early flowering chrysanthemums, honorable mention; 1 vase

Tacoma Dahlia Show.

The second annual Dahlia Show of the Tacoma Dahlia Society was held in that city, September 6-7. The exhibition was a complete success, a great number and variety of flowers being displayed. The building where the show was held was thronged each day and it is expected that in future this exhibition will be quite as popular as the city's famous rose shows. Officers of the society elected for the year are W. H. Reed, president; Mrs. Belle Freeman, first vice-president; Mrs. W. S. Cutler, second vice-president; Miss Marguerite McConiki, secretary; Geo. M. Lee, treasurer.

OBITUARY.

David A. Spanner.

David A. Spanner, a brother of Max Spanner, a well known florist of Toledo, O., met death under distressing circumstances near Toledo, September 15. He was a passenger in an automobile with Fred M. Meir and wife of Indianapolis, Ind., when the machine skidded and turned over in a ditch. Before enough men could reach the scene to right the machine young Spanner and Mrs. Meir, who were pinned down were drowned in one foot of water. Mr. Spanner was a promising young man, having graduated from the Central High school, Cleveland, a year ago and later attended the Case School, working during vacations for his brother Max Spanner. His parents, Herman Spanner and wife, live in Cleveland. He was 22 years old.

Rochester, N. Y.

TRADE PICKING UP.

Since September trade has been somewhat brisker and the stores are taking on a more business-like appearance. Weddings have been quite numerous lately; many of the florists say they have filled more wedding orders during the last two weeks than they did all through June. There has also been a large amount of funeral work. All stock is in good condition at present, Kaiserins and My Marylands being the favorites in roses. Carnations are very good for this season. Gladioli, asters and dahlias are being cut in large quantities. The aster supply is much better than it was expected it would be earlier in the season.

NOTES.

Out of ten entries made at the state fair at Syracuse by H. P. Neun, nine took first prize. His cash prizes amounted to over \$100.

Lars Goronson, formerly of this city, but now with the Boston Cut Flower Co., was in town last week.

Jewish New Year proved to be quite a busy day among the florists.

C. G.

OKANOGAN, WASH.—The annual flower show of the Woman's Civic Improvement League was held here September 5.



CONNECTICUT NURSERYMEN AT NEW HAVEN.

Resting at the Elm City Nurseries.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earliest possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	521
—Full propagation	521
—Sweet peas	521
—Cyclamens	521
—Pansies	522
—Anemones and ranunculus	522
The retail trade (illus.)	522
—Prices of floral work	522
—Tumbler baskets	522
—Forcing lilacs	523
Fame	524
In the ground pine woods.....	524
From bucket to brush	524
Delivery car of the Old Dutch Market (illus.)	524
Chrysanthemums	524
—Revised classification	524
—Busy season at hand	525
G. C. Shaffer's decorated automobile (illus.)	525
Scales for judging	525
The rose	526
—Young stock	526
Connecticut nurserymen at New Haven (illus.)	526
New York Florists' Club meeting.....	526
Tacoma dahlia show (illus.)	527
Connecticut nurseryman at New Haven (illus.)	527
Obituary	527
—David A. Spanner	527
Rochester, N. Y.	527
Chicago souvenirs	528
New York State Federation of Floral Clubs.....	528
National Association of Gardeners.....	528
American Gladiolus Society	528
Coming state fairs	529
Third national flower show	530
Interior of Percy Jones' wholesale store (illus.)	530
H. Van Gelder (portrait)	530
Percy Jones, Chicago	531
Poehlmann Bros. Co., Morton Grove, Ill.	531
Chicago	532
St. Louis	536
Horticultural Society of Chicago.....	536
Milwaukee	537
Coshocton, O.	537
Philadelphia	537
Horticultural exhibition	538
The manufacturer says	539
Buffalo	539
Cleveland	540
Pittsburg notes	540
New York	542
Cincinnati	542
Boston	548
The seed trade	550
—Robinson Co. improving buildings.....	550
—Michigan seed crops	550
—Nebraska and Colorado seed crops.....	550
—Connecticut seed crops	550
Catalogues received	550
Market gardeners	558
—Lettuce growing	558
The nursery trade	560
—American Apple Growers' congress.....	560
—Origin of the navel orange.....	560
—The ascent of sap.....	560

THE newest gladiolus, "The finest of the reds," is appropriately named "The Eugene Debs."—Daily Newspaper.

FROSTY nights may be expected soon and ample provision should be made for the protection of tender plants in the open, as fine weather may continue several weeks after the first damaging cold snap.

Morton Grove Wedding Bells.

The marriage of Miss Meta Riemer, of Morton Grove, Ill., niece of the Poehlmann brothers, and Edward Farenwald, son of Adolph Farenwald, noted rose grower of Roslyn, Pa., took place August 26.

Chicago Souvenirs.

ED. AMERICAN FLORIST:—

Will you kindly publish in your next issue that copies of the Souvenir Album of the S. A. F. & O. H. Convention can be purchased as follows: single copies, including postage, 35 cents. Five copies by express collect, for \$1. Address George Asmus, 2221-23 West Madison street, Chicago, Ill. All members of the S. A. F. & O. H. who did not obtain a copy at Chicago will have one mailed to them as soon as the committee can get the names checked up.

C. W. JOHNSON,
Secretary Souvenir Committee.

New York State Floral Clubs Federation.

The meeting of this society was held in Commissioner Driscoll's rooms in the Cornell Building, at the fair grounds, Syracuse, Thursday, September 12, at 4 p. m. Those present were: President W. F. Kasting, Buffalo; Vice-President E. R. Fry, Rochester; Secretary John Young, New York; Treasurer W. A. Adams, Buffalo; Frank R. Pierson, E. W. Neubrand, Charles Vick, H. Youell, Felix Albers, George B. Hart, Fred Thomann, Com. C. J. Hewson, Robert Bard, F. W. Banister, Wm. Wind, Julius Thomann, W. Norris, R. C. Scott, W. E. Day, Dr. E. A. Bates, George Arnold, Arthur Cowee, I. Hendrickson.

The secretary's report showed the great interest being taken in the state federation. The membership at present consists of the New York Florists' Club, Buffalo Florists' Club, Rochester Florists' Association, Tarrytown Horticultural Society, Nassau Co. Horticultural Society, Tuxedo Horticultural Society, Syracuse Rose Society, Syracuse Florists' Association, Albany Florists' Club, New York and New Jersey Plant Growers' Association.

The Treasurer's report showed the payment of the assessments from these societies and that there had been no bill for expenditures up to date. Frank R. Pierson gave a detailed report for the committee on legislation and offered important recommendations as to the proper method of securing the appropriation for greenhouses for experimental work in floriculture at Cornell University. Prof. A. C. Beal addressed the meeting on the subject, after which the report was approved. The New York State Vegetable Growers' Association will be invited to join the society in the endeavor to secure the appropriation of \$50,000 for the purpose mentioned. George E. Thorp made an important recommendation as to the proper method to be adopted to bring about a state appropriation for a horticultural building on the fair grounds in Syracuse, and the subject was handled in good style by President Kasting. Dr. Erl A. Bates, George Thorp, Arthur Cowee, Charles Vick and Treasurer Adams.

Edmund Van Alstyne, director of the Farmers Institute, New York Department of Agriculture asked permission to address the meeting, promising the support of the Western New York Horticultural Society and the Western Pomological Association in the endeavor to get this new building. A committee of nine will be appointed (three from each society), from the State Federation of Floral Clubs, the Western New York Horticultural Society and the State Vegetable Growers' Association to take this matter up with the State Fair Commission. Frank R. Pierson, Dr. Erl A. Bates

and Charles Vick were appointed by President Kasting to represent the Federation of Floral Clubs. Charles H. Vick, superintendent of the exhibition of plants and flowers at the fair and assistant superintendent Wm. E. Day were accorded a standing vote of thanks for the very successful manner in which all arrangements for the exhibition had been carried out.

Wallace R. Pierson of Cromwell, Conn., gave a stirring address on "Publicity." This subject so ably presented by Mr. Pierson, was received with enthusiasm by all present, everyone realizing that it was an important move in the right direction. Upon Mr. Cowee's motion the secretary was instructed to write the fair commission that it was the sense of this meeting that the children be admitted free to have their competition in plants and flowers on Monday as had been done in previous years. This permission it was understood had been denied them on Monday of this year's fair. The same officers as at present were elected to serve another year and President Kasting appointed the same committee that already were serving. The meeting adjourned to meet "farmers' week" at the Department of Agriculture, Cornell University, Ithaca, N. Y.

JOHN YOUNG, Sec'y.

National Association of Gardeners.

ANNUAL CONVENTION.

Arrangements have been completed for the annual convention of the National Association of Gardeners, which will be held this year in the city of Newark, N. J., Tuesday, November 19. The new auditorium has been secured for the meeting place, to which an exhibit of novelties, both from among the commercial and private growers, will be invited. The morning will be given over to a bowling contest, the afternoon to the business session, and the evening to a banquet at the Continental Hotel, the program having been arranged with a view of meeting the conveniences of all members.

President Logan has appointed the following the convention committee: Peter Duff, Orange, N. J.; William H. Duckham, Madison, N. J.; A. Bauer, Elberon, N. J.; W. H. Waite, Yonkers, N. Y.; James Stuart, Mamaroneck, N. Y.; John Everitt, Glen Cove, N. Y.; Carl Schaeffer, Tuxedo, N. Y.; Frank E. Whitney, Fishkill, N. Y.; William Kleinheinz, Ogontz, Pa.; John F. Huss, Hartford, Conn.; Alexander T. Fraser, Newport, R. I.; Thomas Proctor, Lenox, Mass.; William Craig, North Easton, Mass.; F. Kirk, Bar Harbor, Me.; Alexander McPherson, Washington, D. C.; A. J. Smith, Lake Geneva, Wis. The committee on final arrangements: Peter Duff, Orange, N. J.; Robert Tyson, Convent, N. J.; Joseph Manda, West Orange, N. J.; M. C. Ebel, Madison, N. J., and Austin C. Saylor, New York, N. Y.

M. C. EBEL, Sec'y.

American Gladiolus Society.

New committees appointed by President Hendrickson for 1912-13 are as follows: Membership—H. W. Koerner, R. F. D. No. 6, Milwaukee, Wis.; Ralph Cushman, Sylvania, Ohio; Geo. W. Parsons, Fox Chase, Philadelphia, Pa. Exhibition—L. Merton Gage, Groton, Mass.; E. H. Brown, Madison, Wis.; O. V. Langen, Hoboken, N. J. Press and bulletin—H. Youell, 538 Cedar street, Syracuse, N. Y.; L. Merton Gage, Croton, Mass.; A. E. Kunderd, Goshen, Ind.; H. J. Alford, Garrettsville, O.; Montague Chamberlain, Groton, Mass.

L. MERTON GAGE,
Cor. Sec'y.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and floricultural departments so far as obtainable:

- September 14-21, Sacramento. — California State Fair, Theo. Gier, Oakland, Calif.
 September 16-21, Detroit. — Michigan State Fair, H. H. Dow, Midland, Mich.
 September 16-21, Pueblo. — Colorado State Fair, John Harbert, Manzanola, Colo.
 September 16-22, Nashville. — Tennessee State Fair, Chas. Keffer, State University, Knoxville, Tenn.
 September 17-22, W. R. Junction. — Vermont State Fair, A. M. Vaughan, Randolph, Vt.
 September 23-28, North Yakima. — Washington State Fair, Hon. J. C. Hubble, Ellensburg, Wash.
 September 23-28, Helena. — Montana State Fair, O. B. Whipple, Bozeman, horticulture, Prof. A. J. Roberts, Helena, floriculture.
 September 24-27, Berlin. — Connecticut State Fair, Leland W. Gwatkin, secretary, Berlin Conn.
 September 24-27, Douglas. — Wyoming State Fair, R. H. Hall, Hudson, horticulture; Mrs. Anna Jenne, Douglas, floriculture.
 September 28-October 4, Sedalia. — Missouri State Fair, Ed. C. Roth, Buckner, Mo.
 September 30-October 4, Trenton, N. J. — Interstate Fair, Prof. M. A. Blake, New Brunswick, N. J.
 September 30-October 6, Spokane, Wash. — Interstate Fair, Geo. T. Crane, Spokane, Wash.
 October 4-12, Springfield. — Illinois State Fair, J. J. McComb, 1047 North Hoyne avenue, Chicago, horticulture; Robt. O'Dwyer, 716 West Madison street, Chicago, floriculture.
 October 7-12, Boise. — Idaho State Fair, J. N. McPherson, Boise, horticulture; Mrs. Nanette Conklin, Boise, floriculture.
 October 7-12, Richmond. — Virginia State Fair, A. Warwick, 7 Mutual building, State Fair Grounds, Richmond.
 October 14-19, Raleigh. — North Carolina State Fair, Prof. W. N. Hitt, Raleigh, N. C.
 October 15-25, Macon. — Georgia State Fair, D. C. Horgan, 109 Cotton avenue, Macon, Ga.
 October 16-23, Montgomery. — Alabama State Fair, Prof. P. F. Williams, Experiment Station, Auburn, Ala.
 October 28-November 1, Columbia. — South Carolina State Fair, Col. T. J. Moore, Moores, S. C., and Col. D. P. Duncan, Columbia, S. C.
 October 28-November 2, Phoenix. — Arizona State Fair, John E. Logan, Tucson, Ariz.
 October 31-November 6, Shreveport. — Louisiana State Fair, Robt. Glenk, State Museum, New Orleans, La.
 November 11-16. — Hot Springs. — Arkansas State Fair, Chas. Starke, Hot Springs, Ark.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 696, care American Florist.

Situation Wanted—Plant grower and propagator; has had experience with all lines of commercial greenhouse stock, including lilies and other bulbous plants; single. Key 701, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced. Can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture. Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds, a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, American Florist.

Help Wanted—Salesman to call on the greenhouse and store trade. State age, wages and experience. Address, Key 704, care American Florist.

Help Wanted—A good all around helper with 3 or 4 years experience in the Greenhouse. State wages expected. EDWARD TATRO, 407 E. Iron Ave., Salina, Kansas.

Help Wanted—All around, reliable and energetic greenhouse man; good business opening for the right man. OPELIKA FLORAL CO., Opelika, Ala.

Help Wanted—Good rose grower to work under foreman; married man preferred, must come well recommended. State wages expected, with house. Apply, C. LOVERIDGE, Peoria, Ill.

Help Wanted—Bulb man wanted in wholesale seed establishment in Central West. Must be experienced in details of order filling and care of stock. Give full particulars and salary wanted. Address, Key 697, care American Florist.

Help Wanted—An experienced gardener, married, small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

Help Wanted—Gardener who understands growing vegetable plants, transplanting and bedding. Married German preferred. Good permanent position to right man. State wages and reference in first letter. ARCHIAS FLORAL CO., Sedalia, Mo.

For Sale or Rent—Greenhouse place; four greenhouses, 1,200 sq. ft. glass; all in good shape; seven acres of good land; eight room dwelling, barn, fine artesian well, splendid market for everything. Will lease for any desired length of time on easy terms and with privilege of buying. Owner not a greenhouse man. Address, ST. PETER GREENHOUSE, St. Peter, Minn.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Situation Wanted.

A good carnation grower is open for engagement. Chicago or middle west preferred. Address, Key 683, care American Florist.

WANTED

good saleslady for a retail store in Chicago. One experienced in design work preferred. Good wages to the right party.

Key 699, American Florist.

GARDENER WANTED.

Young man, single, for public institution in Kentucky. Wages \$40 per month with board and washing. Must have knowledge of greenhouse and lawn work. Key 702, American Florist.

Position Wanted.

Seedsman, 26 years old, nine years experience in inside work. Will be open for position Sept. 20th, 1912. Best of references.

W. H. HUFFMAN,
Highland Park, Richmond, Va.

Seedsman Wanted

Who has had experience in selling goods on the road. About six months of the year road work and balance of time in the house. Salary \$1,000 per year. Chance for advancement for the right party.

Key 628, care American Florist.

WANTED

A First-Class Decorator, able to use and handle cut flowers to best advantage, and do other decorative work in and outside. Good salary for a man with prime references about character and ability. Position is in the East. Address, Key 703, care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

WANTED

By a large firm of Nurserymen, Florists, Seedsmen, a bright, active man to take charge of and manage our Cut Flower Dept.; a man of good address, accustomed to handling the finest trade; this with a view of partly relieving the executive of the burden of an immense growing business. Such a man, if satisfactory to both parties can acquire a good salary and a valuable working interest in the business. In replying, give the fullest particulars, as we want only to secure the most able energetic man possible. Address, Key 698, American Florist.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO



INTERIOR VIEW OF PERCY JONES' WHOLESALE STORE, 56 E. RANDOLPH STREET, CHICAGO.

Third National Flower Show.

ADDITIONAL PRIZES.

Chairman Chas. H. Totty of the National Flower Show Committee announces the following prizes for competition in addition to the prizes previously announced:

The Dutchess County (N. Y.) Horticultural Society will take up class 210 of the preliminary schedule, covering six stove and greenhouse foliage plants, distinct, exclusive of palms, not less than 8-inch pots or pans, prize value, \$50.

The Newport (R. I.) Horticultural Society will offer a silver cup, value \$25, and the silver and bronze medals of the society, for competition by private gardeners, in classes to be determined upon by the management.

M. C. Ebel, Aphine Mfg. Co., Madison, N. J., offers a seven piece silver tea service, value \$100, for a group of flowering plants arranged for effect, covering 50 square feet, orchids, bulbs and flowering plants excluded.

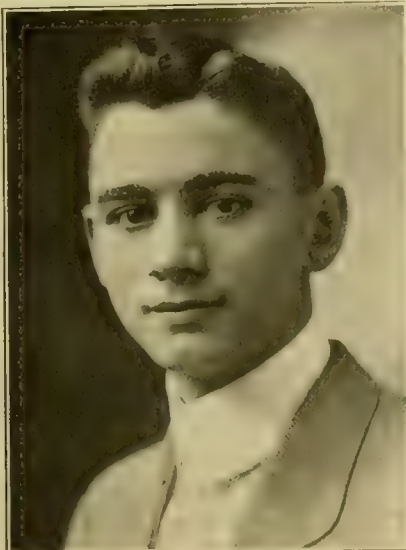
The Morris County (N. J.) Gardeners' and Florists' Society offers a cash prize of \$50, to be awarded in the discretion of the committee.

The Nassau County (N. Y.) Horticultural Society offers a silver cup, value \$50, to be awarded in one of the classes for private gardeners.

Albert Vick, of Rochester, N. Y., offers a silver cup, value \$30, for award in any manner the committee may deem desirable.

TRADE EXHIBITS.

The trade exhibition will be a prominent feature of the show. John Young, secretary of the S. A. F. and manager of the trade exhibition, has prepared diagrams showing the proposed lay-



H. Van Gelder.

Percy Jones' Manager, Chicago, Ill.

out of the three floors of the building to be used for the show and the spaces allotted to trade exhibits, and much space has already been taken. Rates for space are:

Main floor, \$1.50 a square foot; second floor, \$1 a square foot; third floor, 75 cents a square foot. Copies of the diagrams may be had on application to Mr. Young, 54 West Twenty-eighth street, New York.

FOREIGN EXHIBITS.

Foreign exhibits will be admitted free of duty under act of congress approved March 4, 1911, for the free entry of articles imported for exhibition at expositions to be held in New York, the term of which act was recently extended three years. Any merchandise entered for exhibition under the act may be sold at any time during the exhibition (but withdrawal of it will not be allowed until after the close of the exhibition) subject to prompt customs entry at the close of the period of exhibition, and upon such entry the merchandise will be appraised and due allowance made for diminution or deterioration by reason of exposure or incidental handling. Merchandise not so entered within 30 days after the close of the exhibition will be sent to general order stores as unclaimed; or it may be entered for warehouse in the regular way. Copies of the act and the regulations in full, carrying same into effect, may be obtained on application to Secretary Young.

GROWING FOR FOREIGN EXHIBITOR.

If any grower would care to grow bulbous plants for a foreign house, for exhibition at the show, he can learn the particulars by communicating with C. H. Totty, Madison, N. J., who would appreciate the inquiry.

J. H. PEPPER,

Chairman Publicity Committee.

Poehlmann Bros. Co., Morton Grove, Ill.

The Poehlmann Bros. Co. needs no introduction to our readers as far as the growing of cut flowers is concerned, for its mammoth greenhouse establishment at Morton Grove, Ill., is

recognized as one of the largest establishments of the kind in the world. Few of our readers, however, are aware of the fact that this firm has recently ventured into the plant business and will be surprised to learn that it has 60,000 square feet of glass devoted to the growing of decorative stock of all kinds. The plant houses are located in Plant A and are in charge of C. G. Anderson, who was formerly with the Geo. Wittbold Co., of Chicago, and J. F. Wilcox & Sons, of Council Bluffs, Ia. The houses are filled with excellent stock and a large importation of palms, azaleas, rambler roses and hydrangeas is expected to arrive at any moment. Ferns are a specialty, from the small plants which are grown by the tens of thousands for fern dishes to the specimen Cibotium Schiedeii, and an immense quantity of Boston, Whitmani and Roosevelt ferns are in splendid condition. In begonias, Glory of Cincinnati is grown exclusively and 3,000 plants of this variety are very promising. Primulas, poinsettias and cyclamens are also grown extensively and araucarias of fine growth and crotons of many varieties, and are all in the best possible condition. Pandanus Veitchii is to be seen and we noticed that Asparagus Hatcheri is being largely grown. There is a large stock of dracaenas on hand and Phoenix Roebeleni, Kentia Belmoreana and K. Forsteriana will arrive soon. Christmas peppers, ficuses and ivies are included in the list of plants and it is the firm's intention to add bedding stock in the near future.

Percy Jones, Chicago.

The firm of Percy Jones is well known to a great many cut flower buyers and is one of the most progressive wholesale commission houses in Chicago. Percy Jones, the founder of the firm, started in the wholesale commission cut flower business in September, 1903, at 56 East Randolph street, when he rented a small table in the Flower Growers' Market. When he died in September, 1909, he had the largest wholesale business of the seventeen firms then occupying the floor rented by the Chicago Flower Growers' Co. After his death H. Van Gelder, the present manager, assumed charge and one year later rented and used the entire floor space, 5,500 square feet, for the Percy Jones business, that was formerly occupied by the Chicago Flower Growers' Co. The firm prospered under his able management and untiring work and in 1911 a full line of supplies was added. Mr. Van Gelder is also president of the firm and L. M. Jones is secretary and treasurer. The outlook in both the cut flower and supply departments is very encouraging and preparations have been made for a large fall trade.

Uhrichsville, O.

The Denison Floral Co., of which Jesse Denison is manager, has its new range, comprising 45,000 square feet of glass, nearly completed. Carnation planting is now being pushed, the roses having been planted before the glass was on. The most that now remains to be done is to finish piping the carnation houses. Mr. Denison, who has himself been active in the work of construction, says he will have everything in good shape and be ready for cold weather. This company has also a smaller range at New Philadelphia, which makes their total glass area over 50,000 square feet.

Mrs. J. G. Crite has a nice retail store here, and gives it her personal attention. She also has greenhouses and a garden adjoining her residence, where a fine display of plants may be seen.

NECESSARY for SUCCESS

"We all have more or less trouble in keeping the greenhouse stock clean during the winter months, and I doubt whether there are two firms who make use of the same methods to do it. But I am sure we all agree that the only right way is to prevent, if at all possible, the appearance of the green or black aphid, and not wait before spraying or fumigating until things are alive all around us. Therefore, if you have made up your mind to keep your carnations, roses and other stock clean this winter, get busy now. Order from your supply house a good stock of the preparation you are in the habit of using, and take it down from the shelf every ten days and fumigate or spray. Bugs or no bugs, for the last two years we have used Nicotine in different strengths, and while this has been most effective, Aphine is just as much so, and the beauty of it is its cheapness. I don't care what you may grow, if you spray your houses every ten days according to directions on the can you are going to have clean stock. Start now. It's your only chance. Keep the houses clean from now on and you have easy sailing all through winter instead of a continuous fight to keep the insects down."

FRITZ BAHR, WEEK'S WORK,
Florists Exchange.
September 14, 1912.

APHINE is a spraying material, a composition of essential oils, a nicotine, effective against green, black, white fly, thrips, red spider, mealy bug and scale. It can be applied to the tender foliage without injury, and is an excellent cleanser for decorative stock. Price \$2.50 per gallon, \$1.00 per quart.

FUNGINE is a liquid sulphur composition. It is an infallible remedy for mildew, rust and bench fungi. It does not stain the foliage, but cleanses it. Used with success by the leading rose, chrysanthemum, carnation and sweet pea growers; also for fruit and vegetables. Price \$2.00 per gallon, 75c per quart.

VERMINE. A soil sterilizer and germicide which will destroy eel, cut, wire and grub worms, slugs, root lice, maggots and ants without injury to plants. It is applied at the strength of one part Vermine to four hundred parts water, thoroughly soaking the soil. Price \$3.00 per gallon, \$1.00 per quart.

All our products are readily soluble in water. Us d at various strengths according to directions on cans, and are equally effective in the greenhouse and in the garden. They are sold by the well known seed firms and supply houses everywhere.

**Aphine Manufacturing
Company**

Manufacturers of : :
Agricultural Chemicals

M. C. EBEL,
Gen'l Mgr. MADISON, N. J.

NOW READY

The American : :
Florist Company's

-- TRADE -- DIRECTORY

— For 1912 —

Contains 646 Pages

Price \$3.00 Postpaid

**THE AMERICAN
FLORIST COM-
PANY'S** Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

**American
Florist Co.**

440 S. Dearborn St.
CHICAGO

Extra Fine Shipping Stock

Beauties, Roses, Lilies, 'Mums.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums Now in Flower.

Very Choice Large White and Yellow 'Mums, \$2.00 to \$3.00 per dozen.

Good, Fresh, Medium and Short Stem Roses, our selection in lots of 500 or more, at the rate of \$15.00 per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$3 00
30 to 36-inch	\$2 00 to 2 50
18 to 24-inch	1 50
12 to 15-inch	1 00
Short.....	per 100, \$4 00 to \$6 00

ROSES: MY MARYLAND, RHEA REID, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

	Per 100
Extra long select.....	\$6 00 to \$8 00
Medium length.....	4 00 to 5 00
Short	2 00 to 3 00

CARNATIONS

	Per 100
Extra long, O. P. Bassett.....	\$2 00
Extra long, white	2 00
Fancy pink.....	2 00

FINE EASTER LILIES.....per doz., \$1 75 12 00

Lily of the Valley\$3 00 to 4 00

Smilax.....per doz., \$1 75 to \$2 00

Asparagus Sprays.....3 00 to 4 00

Sprenger!.....2 00 to 3 00

Adiantum.....1 00 to 1 50

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns.....per 1000, 2 00

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457.

Chicago.

GOOD ROSES SCARCE.

There is a very brisk demand for American Beauty roses and fancy stock sells up very quickly at good prices. Roses in general are not overplentiful for the cool weather of the past week has caused the supply to shorten up considerably and the opening of the week found the market well sold up. The market began to stiffen on September 10 and on the following day there was a general scurrying around to find stock, especially American Beauty roses, to fill orders. Gladioli are having a better call and some very fine Augusta, America and Mrs. Francis King are to be had. Asters are shortening up very fast and what stock is coming in is not up to the standard and the season is nearly over. Dahlias, however, are fine and in great assortment. Show, fancy, decorative, cactus and pompons are all to be had and they brighten up their surroundings wherever placed. Chrysanthemums are beginning to be more plentiful and Golden Glow, Monrovia, Smith's Advance and October Frost are now arriving. The quality of the flowers is fine and the demand is increasing. Cattleya Gigas and C. Gaskelliana are in great demand and very scarce. Dendrobium Formosum are arriving in larger quantities and the supply is equal to the demand. Lily of the valley is scarce and lilies are not overplentiful. Gardenias are fine and sell up quickly. The coarser outside stock is still arriving but the shipments are much smaller and the dealers are patiently awaiting the end. Violets, or what were supposed to be violets, made their appearance this week, but are practically worthless and not fit for sale. Greens of all kinds are plentiful and ferns are unusually fine this season.

NOTES.

Wietor Bros. are still cutting American Beauty roses in large quantities and are also well supplied with choice carnations. The American Beauties are especially fine and are having a good call. The chrysanthemum stock in the greenhouses is in excellent shape and a bumper crop is expected. This firm has certainly had a very good year and had a large cut of roses at all times.

Harry Blewitt and Miss Eva Timme stole a march on their many friends last Saturday, September 14, when they were quietly married at the Timme home in Irving Park. The young couple are well known to the trade and have its best wishes for a pleasant voyage on the sea of matrimony.

W. E. Lynch, with A. L. Vaughan & Co., was called to Northampton, Mass., on September 10 by the death of his sister who died very suddenly. Mr. Lynch visited several of the Rheinbeck violet growers on his return and made arrangements for his firm's fall supply.

The Chicago Florists' Club bowling league will open its season at Bensingers' alleys, with four teams, on Tuesday, September 24. Ernest Farley has already received quite a number of prizes, but the list is not yet ready for publication.

The M. Winandy Co., manufacturers, are installing a new bench and heating system in M. Zimmer's new greenhouse at California and Pratt avenues.

The Chicago Carnation Co. is right in crop with Golden Glow chrysanthemums and some magnificent blooms are now to be had at this store.

John Degnan says that the wholesale trade at Winterson's seed store is opening up fine and that business in general is very satisfactory.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Johnson & Chronis have purchased a new 30 h. p. White car and will use it in addition to their other machine for delivery purposes.

Elmer D. Smith, the well known chrysanthemum specialist, and wife, of Adrian, Mich., were in the city a few days this week.

George Stollery is enjoying his vacation at Lakewood, Wis. John Farmer is in charge of the store during his absence.

A. L. Vaughan is suffering from a severe cold but is on the job as usual, looking after his firm's business.

Joe Weis likes the retail business fine and says that trade is very good at his Southport avenue store.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

LARGE SUPPLY

of Fancy Mrs. Aaron Ward, Bulgarie, Taft and Hillingdon Roses.

CATTLEYAS and WHITE ORCHIDS.**'MUMS White and Yellow 'MUMS.****CARNATIONS.**

We are now supplying first grade. Medium stems. Good flowers.

CURRENT PRICE LIST

Subject To Change
Without Notice.

	Per Doz.		Per 100		Per 100
AMERICAN BEAUTIES.		LADY HILLINGDON.		CARNATIONS.	\$1.00 to \$2.50
Specials.....	\$3.00	Long.....	\$ 8.00	ORCHIDS, White Dendrobium...	5.00
30 to 36-inch.....	2.50	Medium.....	6.00	CATTLEYAS. per doz.,	\$7.50 to \$9.00
24 inch.....	2.00	Short.....	3.00 to 4.00	EASTER LILIES	15.00
18 to 20-inch.....	1.50	RICHMOND, Specials.	8.00	VALLEY	\$3.00 to 4.00
Short stem..... per 100.	\$4.00 to 8.00	Fancy.....	6.00	ADIANTUM CROWEANUM.	1.00
PRINCE DE BULGARIE, Antoine Rivoire or		Medium.....	4.00	SMILAX, per doz.	1.50
Mrs. Taft.	Per 100	Good short.....	3.00	SPRENGER, PLUMOSUS SPRAYS	3.00 to 4.00
Long.....	\$ 8.00	KILLARNEY, Specials.	8.00	PLUMOSUS STRINGS, extra long and	
Medium.....	6.00	Long.....	6.00	heavy, each.....	.50 to .60
Short.....	\$3.00 to 4.00	Medium.....	4.00	FERNS per 1,000	1.50
MELODY, long.	8.00 to 10.00	Good short.....	3.00	GALAX per 1,000	1.25
Medium.....	6.00	WHITE KILLARNEY, Specials.	8.00	LEUCOTHOE per 100	.75
Short.....	3.00 to 4.00	Long.....	6.00		
MRS. AARON WARD.		Medium.....	4.00		
Fancy long.....	8.00	Good short.....	3.00		
Medium.....	6.00	CHRYSA NTHEMUMS, White and vel-			
Short.....	3.00 to 4.00	low, per doz	2.00 to 3.00		

THE HOME OF BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"



OUR MOTTO:

HONEST DEALINGSGOOD VALUES

We aim to please in every respect and out-of-town customers will be benefited by sending us their orders; by so doing you will find we can save you money.

We grow our own stock, thereby assuring you of getting absolutely fresh stock, besides saving you the commission man's profit.

We are cutting heavily in **Roses, Valley and Carnations** and as such are well supplied to take care of your wants. Our Carnations are without exception the best in our market for so early in the season.

J. A. BUDLONG,

82-86 E. RANDOLPH
STREET, CHICAGO.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

Special Long Beauties, \$15.00 per 100 American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	16-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6 00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.

Good, 15.....4.00
Short.....3.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$2.00
Fancy.....1.50
Good.....1.25

HARRISII.....8.00 to 10.00

FERNs, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

A. L. Randall is having an enjoyable time on his farm in Michigan and is assisting one of his men in grading a part of the land. Holding the scraper evidently agrees with him, for he is in fine health and enjoys three big meals a day. Frank Johnson is supplying the A. L. Randall Co.'s customers with some exceptionally fine red ruscus and a bunch of the bright decorative stock is seen prominently displayed on his desk in the office.

Mrs. Horton, of the Bassett & Washburn force, returned on September 15 from an unpleasant lake trip in the steamer Georgia to Sturgeon Bay, Wis. She was so seasick from the heavy sea that was rolling that she was unable to report for work the following Monday. Unfortunately the boat did not dock so she was unable to return by rail and escape the return trip.

Poehlmann Bros. Co. is cutting more heavily in orchids and is once again enabled to fill all orders for cattleyas in full. Chrysanthemums are arriving at this store in large quantities and some fine Golden Glow and October Frost are now being received. Mrs. Aaron Ward roses are in good supply here and shipments of all the other leading varieties are also quite large.

The J. B. Deamud Co. is supplying its customers with fancy America, Mrs. Frances King and Augusta gladioli. The supply of these flowers at this store is very large and all orders are being filled in full. Miss Amy Forest is back from her vacation and is again on duty at this store.

J. A. Budlong is featuring a fine grade of White Enchantress, Victory, Afterglow and Aristocrat carnations, and Phil. Schupp takes great pleasure in showing them to his many cus-

tomers. Fred Price is back from a fishing trip in Wisconsin and is again attending to his duties at the store.

J. F. Kidwell says that trade is very good at the Chicago Flower Growers' Association's store and that the stockholders are well pleased with the first year's business. Carnations of good quality are now arriving in large quantities at this establishment and are meeting with very good sale.

E. E. Pieser says that he had a good rest while he was in Toronto, Canada, and that was about all for it rained nearly all the time he was there. Mrs. Pieser, who was with him at Toronto, passed through the city on September 16, enroute to Winnipeg.

The Geo. Wittbold Co. is changing its heating system at its Edgebrook greenhouses and the work is now well under way. The rose crops look very promising and some fine Maryland, Killarney and White Killarney are now being consigned to Percy Jones.

Mrs. Williams, of the Atlas Floral Co., says that her husband is recuperating at the Kenilworth sanitarium and that trade at the store is improving. Miss Hirschburg has returned from her vacation and is again waiting on the firm's customers.

The Otto Wittbold Nursery is enjoying a very busy season and is shipping a large quantity of nursery stock. Otto Wittbold is planning to build a new residence in Edgebrook and also a concrete shed, 50x75 feet, on the nursery grounds.

F. Scheel, of Shermerville, cut his first carnations in his new range last week and is now consigning his stock to Kyle & Foerster. His first shipment included some very fine blooms of Beacon, Enchantress and Mayday.

Mr. and Mrs. Thos. Fogarty write that they are having an enjoyable

time on their honeymoon and that although they have reached the Niagara Falls, they have not yet found the "Emerald Isle."

Paul Reissig has secured a short lease of the Reissig greenhouses at Riverside and will grow carnations, sweet peas and vegetables this winter. The entire estate is for sale.

Zech & Mann's leaders this week is a fine grade of Killarney and White Killarney roses and they are coming in mighty handy for their ever increasing shipping trade.

C. V. Wolff, of Downers Grove, has his new greenhouse, 27x125 feet, completed and will plant it with sweet peas. The Foley Manufacturing Co. furnished the material.

The Gardeners' and Florists' picnic held at Ebert's grove last Sunday, September 16, was a great financial success and everyone present had a most enjoyable time.

Miss Pauline Anderson, eldest daughter of C. G. Anderson, of Morton Grove, has accepted a position as stenographer with A. Henderson & Co.

George Reinberg says that work on his new heating system has been completed now and that he has his range in fine shape for cold weather.

The Bohannon Floral Co. report a very brisk trade and filled several large orders for the Baldwin funeral this week.

The fine grade of gladioli grown on Vaughan's seed stock farms have been in strong demand the past week.

Des Plaines has lost its option on the wedding bells. Geneva is next on the list.

George Papadocos, of Kansas City, Mo., is visiting friends here this week.

John Kruchten is having a special sale on bronze galax this week.

Willard Asmus is on the sick list this week.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

EXTRA FANCY AMERICAN BEAUTIES.

Largest supply in the Chicago market. Can fill all orders in full.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland...		

Mrs Aaron Ward	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise.....	Select	\$6 00
	Medium	5 09
	Short	4 00
Roses, our selection.....		3 00
Carnations		1 50
Harrisii	per dozen.	1 25
Valley	3 00 to	4 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50

Personal Service

When added to stock that is always the best, has given us a position on the Flower Market of Chicago of which we are justly proud. We fill every order exactly as received, and if we do not happen to have just the right stock on hand, we get it. We never substitute unless ordered to do so. We believe in giving a man what he buys, and every man who buys a dollar's worth of Cut Flowers from us knows that his dollar is protected; for he gets the best the market affords at the lowest market rates. We have shown others. **WE CAN SHOW YOU.**

ZECH & MANN, Wholesale Florists,
Long Distance Phone, Central 3284,
162 N. Wabash Ave., Chicago

The Cook County Florists' Association bowling league opened its season Wednesday, September 18, at Bessinger's West Randolph street alleys. Allie Zech says that in addition to \$150 in cash, the following prizes have been received: Individual championship cup, donated by the association; six umbrellas for the six high average men, donated by Zech & Mann; four stick pins, for high average man of each team, donated by John Michelsen; watch fob for high single game, donated by the A. L. Randall Co.; fountain pen for high individual, three game average, donated by the Chicago Carnation Co.

Lubliner & Trinz, the East Randolph street florists, filled a large number of orders for the Johnson funeral which occurred this week. They had Jack Johnson's personal order for a casket cover of solid lily of the val-

ley and Jack Curley's order for a large standing wreath of Mrs. Aaron Ward roses. The negro champion's sparring partners also left orders with this firm for a number of costly sprays and the force had all it could do to get the work out on time.

Fred Hoerber visited Hoerber Bros.' greenhouses at Des Plaines last week and upon his return says that crops were never in better condition and that the outlook is fine for a large supply of stock for fall. Harry Mannheim says that trade at the store is exceptionally brisk and that the stock is sold immediately upon its arrival.

Peter Reinberg is fortunate in having a large crop of American Beauty roses and is experiencing no trouble in disposing of the stock at the store. The cut of other roses is large and some choice Killarney and White Killarney are now arriving.

The Foley Manufacturing Co. is furnishing the material for two iron frame houses, 33.9x108.8 feet, for the Idlewild Greenhouse of Memphis, Tenn. P. J. Foley says that his firm has just received a large order for a private range from Velie, the automobile king, of Moline, Ill.

Vaughan's Seed Store has been displaying a full line of all fall bulbs, both for the wholesale and their retail counters. A good frost would stimulate the local planting demand for this stock.

The Chicago Floral Co., West Randolph street, is building up a good business and is enjoying a brisk retail trade.

Joe Beaver has returned from a visit with relatives at Toledo, O.

Visitor: Wm. P. Craig, Philadelphia, Pa.

BEAUTIES---ROSES

GLADIOLI---CARNATIONS

Large Supply of Very Select Stock; Also Large Supply of Everything in Greens

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES | Central 2571-2572
Automatic 48-734

CHICAGO

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

St. Louis.

SCHOOL OPENINGS HELP.

The first part of the week was very warm, but the latter part cooled off considerably. Asters are decreasing and, carnations are increasing. This week there are many store openings. The opening of educational institutions and the Jewish holidays help out a little. There has been a good steady demand for American Beauty roses. Smilax and all greens are selling well.

NOTES.

Ernest Strehle, superintendent of parks, is a busy man. He has a fine display of lilies at Lafayette Park. He visits the different parks frequently and gives suggestions as to their keeping in order and to produce the best display. He is very proud of the sunken garden at the rear of the Carnegie Library, Fourteenth and Locust streets.

The Florists' Club held its monthly meeting September 12. The feature was the installation of the officers, about thirty-five members present. Walter Weber was elected a member. F. H. Weber, the president. Chas. Young, the vice-president, and Will Osseck, Wm. C. Smith and E. W. Guy, of Belleville, Ill., were the hosts.

Miss L. Doussard has opened up a pretty little flower store in East St. Louis, at 3091-92 Collinsville avenue, with a nice stock of plants and all cut flowers in season. This is Miss Doussard's first venture and she is doing very well. She is seen daily in the St. Louis market.

Alex. Siegel is home, looking fine. He made his rounds of the market looking up bargains. Alex. stated that he was well pleased with the help he had left in charge during his stay in Mackinac. Everything was in fine shape when he returned.

David Geddes, of F. H. Weber's, on learning the amount of freight paid by F. H. Weber from the east, promptly looked up the rates published in the trade papers and secured a rebate of over \$6.

Wm. F. Holtz, for many years at C. A. Kuehn's old store, but who has recently held a railroad position, has again entered the florist trade. He is now with Geo. H. Angermueller.

The Windler Wholesale Floral Co. opened its doors on Monday, September 16, with a fair supply of good stock. The boys were well pleased with their first day's business.

F. H. Weber will have the decorations at the fall opening of Scruggs, Vandewert and Barney's. Several thousand American Beauty roses will be used.

Will Smith, of the Wm. C. Smith Wholesale Floral Co., also went to Edwardsville today. This is his wife's home.

Chas. Schoenle, Geo. H. Angermueller, Will Osseck and Andrew Meyer, Jr., have gone on a fishing trip.

H. G. Berning filled several large American Beauty rose orders Sunday and Monday.

C. A. Kuehn paid a visit to Edwardsville, Ill., to take in the Centennial.

At Geo. H. Angermueller's a fine lot of Harrisii lilies are seen.

Foster, the Florist, is getting ready to open in a short time.

John Cannon returned last week from his Western trip.

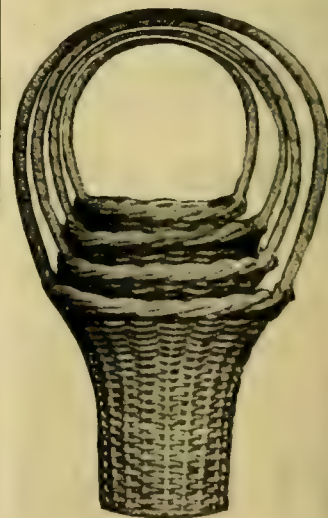
Theodore Miller will open up his new store soon.

W. F.

Horticultural Society of Chicago.

There was a meeting of the executive committee of the Horticultural Society of Chicago at the Union restaurant September 13 and plans for the forthcoming spring show, to be held at the Art Institute April 1-5, 1913, were discussed and a committee appointed to arrange the cut flower classes for the premium list. The committee consists of August Poehlmann, Nic Wiator, W. N. Rudd, Fritz Bahr and Chas. W. Deusner. The preliminary premium list, showing prizes in the plant classes, was issued some time ago and copies may be had on application to Secretary Chas. W. Deusner, 1101 Buena avenue. Plans were also discussed for a small chrysanthemum show of specimen plants, blooms and novelties, which will probably be held at the Art Institute in November. Hunt Bros., of Park Ridge, whose fine exhibit of pansies at the last spring show was overlooked by the judges, was awarded a silver medal.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

SPRINGFIELD, MO.—A meeting of the Greene County Horticultural Society was held at the home of C. T. Patterson, near Nicholas Junction, September 7.

MONTICELLO, IND.—The Monticello Floral Co. has moved the Roberts and Ottstot greenhouses, which were purchased last February, and the property will be combined and form a part of the purchasing company.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS

Killarney
Choice Beauties
White Killarney
Lilies
Carnations
Valley
and Gladioli

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 3.00	\$ 2.50	\$ 2.00	\$ 1.50	\$ 1.00	.....	.....
Killarneys.....per 100	8.00	6.00	5.00	4.00	3.00	\$2.00	.....
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Maids.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Brides.....	8.00	6.00	5.00	4.00	3.00	2.00	.....
Carnations.....	2.00	1.50	1.00	.....	.....	.....	.....
Easter Lilies.....	10.00	8.00	6.00	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	40.00	.....	.....	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....	.....	.....
Daisies.....	1.00	.75	.....	.....	.....	.....	.....
Gladioli.....	6.00	4.00	3.00	.....	.....	.....	.....
Asparagus Plumosus Sprays..	4.00	3.00	.....	.....	.....	.....	.....
Asparagus Sprengeri Sprays..	4.00	3.00	2.00	.....	.....	.....	.....
Smilax.....	20.00	15.00	.....	.....	.....	.....	.....
Adiantums.....	1.00	.75	.....	.....	.....	.....	.....
Mexican Ivy.....	.50	.....	.....	.....	.....	.....	.....
Glax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	2.00	1.50	.....	.....	.....	.....	.....

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Milwaukee.

MARKET AGAIN NORMAL.

The market is again at a normal condition. Asters have shortened up considerably and gladioli and dahlias have taken their place, but are being disposed of more rapidly. Roses are arriving in good condition, but not in quantity. Roses are bringing good prices. Carnations are coming in fairly well for new stock and although short stemmed are of a good quality. Lily of the valley is scarce but there are plenty of rubrum lilies. Plenty of greens to fill all orders.

NOTES.

Mrs. L. Nelson has moved from her old stand on Eleventh street and is now nicely settled in new quarters at 913 Third street, where she will keep an up-to-date floral shop. At present she says business is very satisfactory. Gust. Rusch had the misfortune to break his arm last week while trying to crank his partner's machine. The injured member is carefully bandaged and in a sling and with two weeks' of careful nursing it is hoped that the strong right will again do its usual work.

H. W. Koerner had a fine exhibit at the state fair and reports the business in the bulb line so rushing that he has been unable to handle it all. He is also well pleased with his awards at the fair.

The Currie Bros. Co., reports busi-

ness good, having been busy for the past week at the state fair. This firm says that business is very good in the seed and bulb stock.

Gust. Rusch & Co., report business very satisfactory. They are receiving a fine lot of roses, gladioli and dahlias, which sell readily.

W. C. Zimmermann says that business keeps booming right along and that he has been kept busy with plenty of funeral work.

The C. C. Pollworth Co., is well pleased with the business of the past week and report shipping business fine.

Edlefsen & Leidiger Co., are the possessors of a fine new auto delivery car and expect to use it in a few days.

The Holton & Hunkel Co., is cutting heavily in roses. This firm is receiving some nice new carnations.

Nick Kirscht of Morton Grove, Ill., was the guest of Gust. Rusch & Co., during the fair.

A. Klokner also had a very fine exhibit at the fair, taking fifteen first prizes.

G. R.

Coshocton, O.

Mrs. E. J. Clary and her sons have about 15,000 square feet of glass and the houses are well filled with a variety of stock.

S. M. Hamilton is building a new house which will bring his glass area up to about 25,000 square feet.

Philadelphia.

ROSES VERY SCARCE.

The feature of the past week was the scarcity of roses and the general shortening of other stocks. In roses the late summer growth appears to have flowered out and shipments have been very light the past few days. Much of the stock is also badly mildewed, a condition that seems unavoidable at this season. Some fine stock of American Beauties is offered, very good flowers for the season. White roses have been scarce. There are very few Kaiserins and the White Killarney is poor as yet. The aster is fast disappearing. More care should be given to this flower by growers. Half the quantity well grown would be more profitable for all concerned. Gladioli are still fine, the best varieties selling well. The dahlia will dominate the market for the next three weeks or perhaps four. Cattleyas are more plentiful, but the market can take many more without trouble. Gardenias are selling well. Valley is about normal. There is a good demand for all the bulky outside stock, such as hydrangeas, hardy asters, tritoma, goldenrod, etc., which is much used in store decorations. All the large department stores are having their openings at this time. The prepared oak leaves and imported fern leaves are much used by the store decorators; imitation box trees

"The Busiest House in Chicago"

WE FLOWER THE WEST

We have the largest supply of **CHOICE GLADIOLI** in the market. Price, \$3.00 per 100. Our **Roses, Gardenias, Carnations, Smilax, Adiantum** and **Florists' Greens** are the best obtainable. **Wild Smilax** always on hand.

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, Asters, Gladioli and Greens of all kinds.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

made of ruscus are substituted for the real thing. If this keeps up, the growers will have quite a job to stay in the race, as plants for store decorating have been quite a factor heretofore. Chrysanthemums are selling fairly well for so early in the season. Growers appear so anxious to get them to market that many are cut too young and bruise very easily. It is a pity to lose out by this bad judgment after all the care to bring them up to this point.

NOTES.

The way in which the dahlia is now handled shows great improvement over the old methods. Orders are taken from the stores the day before, these are telephoned to the dahlia farms, the flowers cut and after soaking a couple of hours in water, each lot is packed carefully in corrugated boxes, which are crated, and are finally delivered to the stores in the original boxes without any further handling. Golden West, Dorothy Peacock, Sylvia McCullough and Lyndhurst are leading varieties.

Ficus Pandurata, long a feature with the R. Craig Co. is seen here in large quantities. Mr. Craig says it has become a staple house plant and large retail stores all over the country include it in all their orders. Their new range at Norwood is almost completed. As fast as a house is glazed, it is filled with plants, the stock having been waiting for the room.

Bayersdorfer & Co., are doing an immense business with magnolia and prepared oak leaves. A new screen that is found to have special decorative value is being largely sold. Their

factory is exceptionally busy at this time getting out special work for particular men who want ideas of their own carried out.

The "Willing Helper," the very "classy" catalogue of the House of Rice, contains a most complete list of what they offer in florists' supplies. It is one of the handsomest books of the kind ever sent out. Its numerous illustrations will be a great help to the trade in planning decorations.

The Jos. Heacock Co. opened its city store September 16. The roses, white and pink Killarney, were from the new 600-foot house, the first cutting. Large orders are coming in for palms and ferns, shipments from the Wyncote houses being the largest they have ever made at this season.

Edward Reid and family arrived home from his ranch in North Dakota September 15. Mr. Reid is much benefitted by his trip. While in Chicago, he captured first prize at the shoot in the S. A. F. Sports. So it is to be recorded that there is one first prize to be credited to this city.

Tom Potts, who handles the "Flora-craft" products of Stokes' greenhouses at Morristown, says that every florist should have a motor car. He does the work of two horses with his and in half the time. Valley and Easter lilies every day in the year are his leaders.

Chas. D. Ball is right in it with his kentias and arecas. Although made up plants of kentias are the rule here, they are so put together that they look like one large bushy plant. Many orders are going out daily and the outlook is very promising.

The Niessen Co. are making a specialty of dahlias, handling the entire cut of the Peacock farms at Atco.

Dorothy Peacock, the fine pink, and Golden West are leaders. This firm's system of packing insures safe delivery.

At Edward Reid's, notwithstanding that the proprietor has been absent, the business has gone merrily on. American Beauties are a feature here, some top notch stock coming in the past week.

George Barton when asked about how roses were coming on, said: "We are just waiting for the word and will then ship in quantity."

Edward Upton, late with the Leo Niessen Co., has resigned his position and will remove with his family to Denver, Colo.

Berger Bros. are headquarters for Richmond roses. They handle them by the thousand. Maryland are also a feature.

Westchester Horticulturalists.

The preliminary schedule for the second annual exhibition of the Westchester and Fairfield Horticultural Society, to be held November 7-9, in Germania Hall, New Rochelle, N. Y., has just been issued. The program provides for awards in six classes as follows: Chrysanthemum plants, nine first prizes; chrysanthemum flowers, twenty-three first prizes; roses, twelve first prizes; carnations, twelve first prizes; table decoration, two first prizes; miscellaneous, fourteen first prizes; fruit, seven first prizes; vegetables, twelve first prizes. The officers of the society are: James Stuart, president; Robert Williams, vice-president; J. B. McArdle, secretary; Thomas Atchison, treasurer; Oscar Addor, corresponding secretary.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. E. H. HUNT CHICAGO, ILL.

The Manufacturer Says.

Our attention having been called to an inquiry appearing in your issue of September 14 regarding a remedy for thrips on chrysanthemums and cinerarias, we make bold to suggest through your columns the use of Aphine by your inquirer. It can be applied at all times with perfect safety and without fear of injury to foliage or flowers.

Of course, we all know that when thrips once are permitted to lodge in the petals there is nothing that can combat them, but on the foliage they are no great enemy to overcome, if proper precautions are taken by thoroughly spraying the plants.

APHINE MFG. CO.

Buffalo:

CHRYSANTHEMUMS HELD BACK.

The weather the past week has been all that could be desired, only one day of rain which helped things along. Stock and trade have been about what could be expected. Gladioli are fine. Asters are about at an end. Dahlias are coming in. A few good ones have been on sale. Chrysanthemums are on the market, but shipments are not encouraged, which is a wise move on the part of the florist. The latter part of September is early enough for these flowers. The grower that brings mums in too early with only a flower of first-class aster size, will not find a sale any more readily than the one that brings in a large one with no vitality at Christmas.

THE STATE FAIR.

The writer was a visitor at the state fair at Syracuse and from reports the floral exhibit was fifty per cent better than any other year with every indication that next year will be far better yet. The quality of the flowers was good. Gladioli, dahlias and asters were very fine. The asters were not as large as those in Toronto, but the flowers were good. Made up work and cut stock were made more of a feature this year than in the past, consequently, Rochester, Utica and Buffalo were exhibitors. The arrangement of the Horticultural Building was entirely under the supervision of Chas. Vick, Rochester, N. Y., ably assisted by W. E. Day of Syracuse. The placing of exhibitors was the best that the building would allow and what added so much to the whole was the rockery which surrounded the band in the center of the building. The upper part was a beautiful bank of greens and ferns, with a fountain effect entirely around it and the lower part. A rockery of the finest rocks and rare stones, together with ferns and little willow summer houses with their chairs and all that could make it cool and in-

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 18.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 33-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 8 00
" Killarney.....	3 00@ 10 00
" White Killarney.....	3 00@ 10 00
" Richmond.....	3 00@ 10 00
" Prince de Bulgarie.....	3 00@ 10 00
" Radiance.....	3 00@ 10 00
" Mrs. Aaron Ward.....	3 00@ 10 00
" My Maryland.....	3 00@ 10 00
" Melody.....	3 00@ 10 00
" Bride.....	3 00@ 10 00
" Bridesmaid.....	3 00@ 10 00
" Mrs. Jardine.....	3 00@ 10 00
" Kaiserin Augusta Victoria.....	3 00@ 10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, doz., 2 00@ 3 00	
Asters.....	1 00@ 4 00
Orchids Dendrobium, per doz., 6 00	
Daisies.....	75
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Lilium Harrisii..... per doz., 1 50	8 00@ 10 00
Stocks fancy..... per doz., 50@ 1 00	
Sweet Peas.....	50@ 75
Valley.....	2 00@ 4 00
Adiantum Croweanum.....	1 50
Ferns..... per 1000.	1 50
Galax.....	1 25
Leucothoe.....	75
Plumosa String..... each.	60
Smilax..... per doz., 1 50@ 2 00	
Sprengerii, Plumosa Sprays.....	3 00@ 4 00

viting. The Rockery was designed and executed by Geo. Kramer, who also assisted Mr. Vick.

NOTES.

This week is the beginning of the fall openings of Anderson & Palmer. Each had a very large one for Monday.

Recent Visitors: Stephen Green, of H. Bayersdorfer & Co., Philadelphia, Pa. BISON.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

WEILAND & RISCH

Wholesale Growers and Shippers

CUT FLOWERS

154 N. Wabash Ave.

Phone Central 879 : : CHICAGO

C.C. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Cleveland.

SCHOOL OPENING HELPS.

With the opening of the schools Monday, September 9, and the return to the city of many families from summer homes, business has shown a decided increase and the demand for stock has been exceptionally good. Asters, especially good ones, have been rather hard to get the latter part of the week. Carnations are increasing in supply and the quality is improving rapidly. Roses are a little short of the demand. Lily of the valley is very scarce, and at times cannot be had at any price. Sweet peas are few and of poor quality. Good Swainsonia can be had. Dahlias of all colors are arriving in increased quantity. Easter lilies are scarce. A few small callas are on the market. Gladioli are good stock and are selling better than they were a few weeks since. The Jewish New Year created a good demand for long American Beauties and other high grade flowers.

The Cleveland Florists' Club, at the last meeting, Monday, September 9, nominated practically every one of the last year's officers to hold their positions for another year. The election of officers takes place next meeting night.

C. B.

Pittsburg Notes.

CLUB MEETING.

The September meeting of the club was held in the Fort Pitt hotel on the night of September 3, President E. C. Ludwig in the chair. Considering the unseasonably hot weather there was a good attendance. A number of those who attended the Chicago convention were present and spoke in glowing terms of the convention and the open handed hospitality of the Chicago florists. The principal speakers were President Ludwig, John Jones, P. S. Randolph, E. C. Reinemann and P. S. Randolph, Jr. President Ludwig made a fine exhibit of gladioli grown on his own farm. There was an exhibit of hardy hydrangeas and dahlias by Knauff, a private gardener who also spoke in-

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

MILWAUKEE, Sept. 18.	Per 100
Roses, Beauty, per doz., 75@3 00	
.. Killarney.....	2 00@ 8 00
.. Richmond.....	2 00@ 8 00
.. White Killarney.....	2 00@ 8 00
Asters.....	1 00@ 2 00
Carnations.....	1 00@ 2 00
Gladioli.....	1 00@ 3 00
Lilium Giganteum.....	1.25 doz. 8 00@10 00
Sweet Peas.....	50
Swainsona..... per bunch,	25
Asparagus..... per string,	50
.. Sprenger, per bunch,	25
Ferns, Fancy..... per 1000,	1 50
Galax..... per 1000,	1 50
Smilax..... per doz.,	1 50

PITTSBURGH, Sept. 18.	Per 100
Roses, Beauty, special.....	25 00
.. extra.....	12 00@20 00
.. No. 1.....	6 00@10 00
.. Killarney.....	2 00@ 6 00
.. My Maryland.....	2 00@ 6 00
.. Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprenger, per bunch,	35@40
Sprays..... per bunch,	35@40

PHILADELPHIA, Sept. 18.	Per 100
Roses, Beauty, extra.....	20 00@25 00
.. first.....	8 00@12 00
.. Brides and Maids.....	4 00@ 6 00
.. Killarney.....	3 00@ 8 00
.. White Killarney.....	3 00@ 8 00
.. Liberty.....	3 00@ 8 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., -50@2 00	
Dahlias.....	2 00@ 4 00
Gardenias..... per doz., 1 00@2 00	
Gladioli.....	2 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 4 00
Marguerites.....	75@ 1 00
Snandras.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch,	50
Smilax.....	15 00@20 00

terestingly on the gladioli. In this connection it may be stated that President Ludwig is daily receiving large shipments of gladioli from his farm.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone.

L. P. WALZ, Mgr

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,
Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO.

Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, Philadelphia, Pa.
N. W. Cor. 12th and Race Sts.,

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengerii seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT,

Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

—THE— J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Wholesale Flower Markets

St. Louis, Sept. 18.	Per 100.
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	3 00@ 5 00
" White Killarney.....	2 00@ 6 00
Asters.....	1 00@ 2 50
Easter Lilies.....	8 00@10 00
Gladioli.....	3 00@ 4 00
Valley.....	3 00@ 4 00
Asparagus Sprengerii.....	2 00@ 3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy.....	1 50
Lilium Rubrum.....	5 00@ 6 00

CINCINNATI, Sept. 18.

Roses, Beauty.....per doz., 50@ 3 00	
" Bride, Bridesmaid.....	Per 100
" Killarney.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Taft.....	2 00@ 8 00
Asters.....	1 00@ 3 00
Carnations.....	1 50
Lilium Auratum.....	8 00@12 50
Lilium Giganteum.....	8 00@10 00
Gladioli.....	2 00@ 4 00
Lily of the Valley.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengerii.....per bunch,	25

The Only Florist Supply House in the Southwest

Write for Catalog on **Bulbs and Florists' Supplies.**

BARTELDES SEED COMPANY,

Dept. A, OKLAHOMA CITY, OKLA.

Wholesale Flower Markets

BUFFALO, Sept. 18.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
Maid and Bride.....	3 00@ 6 00
Pink Killarney.....	3 00@ 6 00
White Killarney.....	3 00@ 6 00
Richmond.....	3 00@ 8 00
My Maryland.....	3 00@ 6 00
Kaiserin.....	3 00@ 8 00
Carnot.....	3 00@ 7 00
Cornflowers.....per bu., 5	
Asters.....	50@ 1 50
Gladioli.....	1 00@ 3 00
Lilium Longiflorum.....	7 00@10 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Snappdragons.....	1 00@ 1 50
Swainsona.....	50@ 1 00
Sweet Peas.....per bu., 4@6c	
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....35@ 50	
Asparagus, Sprengerii.....35@ 50	
Ferns.....per 100, \$1 50	
Galax.....per 1000, \$1 50	
Smilax.....	15 00

BOSTON, Sept. 18.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	50@ 1 00
" Bride, Bridesmaid.....	50@ 6 00
" " Extra.....	1 00@ 6 00
" Killarney and Richmond.....	1 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 2 00
Callas.....	8 00@12 00
Cattleyas.....	50 00@60 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	25@ 35
Smilax.....	12 00@16 00

SACRAMENTO, CALIF.—Dr. A. J. Cook, state horticultural commissioner, is touring the state and making speeches at mass meetings in the interest of horticulture.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburgh, Pa.

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

ANNOUNCEMENT.

Owing to the large increase in our business we have been compelled to move to larger quarters, where with better facilities we will be able to handle orders with more care and promptness.

W. E. Marshall & Co.,

Seeds, Plants and Bulbs.

166 W. 23rd St., New York.

New York.

SLIGHT INCREASE IN TRADE.

There has been a slight increase in business the past ten days. Prices realized are somewhat better than they have been. Roses are more plentiful, but are of better quality. Yellow roses do not move as well as the other varieties, and the quantity of yellow roses coming into this market has increased very much. Sunburst sells better than other varieties of this color. American Beauties are especially fine for this time of year. There is only a very indifferent demand for the other varieties. Orchids are coming in a little more freely, especially cattleyas, and the prices obtained are still very high. Lilies and valley are doing better. However, there are still large accumulations of outdoor grown flowers, such as asters, tritomas, gladioli, hydrangeas, dahlias that it seems impossible to dispose of at any fair figure. There is a very little call for green stock. Chrysanthemums are getting more plentiful each day.

NOTES.

H. M. Robinson and Co., in addition to a fine supply of the roses Hillingdon, Taft and Aaron Ward, are receiving daily shipments of the new roses Mrs. Charles Russell and Christie Miller. It is reported that this firm will, with Maurice Glass, form a corporation about October 1 and both houses will move to one location where they can get plenty of room. The number is 166 West Twenty-third street, where W. E. Marshall & Co., seedmen, have taken a large store fully equipped for the proper care of their business.

The Flower Auction Co. opened up for business on Tuesday. John P. Cleary, vice-president of the company, is also the auctioneer. While there were not many flowers offered for sale, the plants sold went off quickly. They were of very good quality and brought satisfactory prices. The sales room is light, large and airy, centrally located, and should prove a very good venture for the auction sale of plants. What headway can be made in the sale of cut flowers by auction remains to be seen.

At the meeting of the executive committee of the American Rose Society, held at Traendly & Schenck's office, Tuesday, the final schedule of premiums to be offered at the International Flower Show next April was completed. There were present: A. Farenwald, Benj. Hammond, W. R. Pierson, Eber Holmes, Frank H. Traendly and also President-elect J. K. M. L. Farquhar of the S. A. F.

Frank L. Moore, the originator of the Bridesmaid rose and proprietor of the Sunnywood greenhouses, Chatham,

N. J., is a frequent visitor to the salesroom of Moore, Hentz and Nash, of which he is also one of the proprietors. Mr. Moore is a "progressive" in more ways than one. Moore, Hentz and Nash are receiving their first cut of Beauties from the Bedford Flower Co., Bedford, N. Y.

A fire was discovered Tuesday night on the top floor of the building occupied by Horace E. Froment. While there was no damage from the blaze the plate glass in the door was broken and everything was disturbed by the firemen covering up the furniture, etc., from the water. It was discovered in the morning that the contents of the cash drawer were missing.

P. J. Smith, while admitting the summer business has not been as satisfactory as it might have been, looks forward to a banner year in the flower business and has made arrangements for an increased supply of all the leading sellers. Just at present he is receiving large shipments of fine lilies, valley and roses.

There are no better roses in the market than those received by H. E. Froment from L. B. Coddington, of Murray Hill, N. J. The stock is all good color and clean, clear foliage. Mr. Coddington made another large addition last spring to his present very large establishment.

The Pennock-Neehan Co. reports having a very busy summer, and while prices have not been high the quantity of flowers handled has been tremendous. A. N. Pierson, Inc., is sending large shipments of roses to this house, the My Maryland especially being very fine.

The vase of the new sensational pink rose exhibited by Charles H. Totty in the club rooms, Monday night, was on display in the window of Henshaw and Fenrich for two or three days and was a great attraction to the critical buyers who frequent the "Street."

Badgley, Reidel and Meyer received their first shipment of violets from Rhinebeck, N. Y., September 11. They hold the record for the past three years for receiving the first violets of the season.

A. Nason, of Chatham, N. J., has taken part of the store of A. J. Fellouris, 112 West Twenty-eighth street, where he will conduct a wholesale business.

A. Rossi, of San Francisco, has been visiting all the up to date establishments in the city with Dan Mac Rorie acting as his guide.

The Bound Brook Nurseries will open their twenty-eighth street salesroom October 1 for the sale of gardenias and orchids.

Henshaw and Fenrich are receiving some fine "Unaka" chrysanthemums from Charles H. Totty, Madison, N. J.

Paul Meconi is now receiving some very fine cattleyas and gardenias from Thomas Young, Jr., Bound Brook, N. J.

Philip F. Kessler is receiving a fine lot of all seasonable flowers, also a fine lot of jasaminoides. Y.

Cincinnati.

REVIVAL OF TRADE.

The local market enjoyed a busy time last week; in fact, everything moved so nicely that the receipts were taken up as fast as they arrived and that at fair prices, too. The most direct cause of the sudden change for the better was the Jewish holidays. This week will be taken care of by some large openings in the city that will see many thousand flowers and considerable decorative greens and other material. The flower supply, too, is shortening as the cooler weather and nights are coming on. All present indications point to continued good business. The aster supply comes now principally from New York state. The growers who have been supplying local needs are about out. The Eastern stock is good and so far consists mostly of white. The quantity is larger than New York shipments have ever been before. Roses of all sizes and kinds are selling nicely. Where a fortnight ago some of them would not move at any price now all are finding a market. American Beauties, although there is a large supply, last week ran short and more might easily have been utilized by the retailers. This week the supply on the opening day was sufficient to take care of the usual good steady call. Carnations are getting better than they were. The blooms are larger and the stems longer, while there is also a greater variety. Their popularity will increase steadily as that of the aster wanes. Lilies are selling well and bringing good prices. Gladioli still arrive and sell nicely. Some early 'mums, Smith's Advance, have made their appearance. The green goods market is good.

NOTES.

Visitors: I. Bayersdorfer, Philadelphia, Pa.; V. H. Thomas, Augusta, Ky., and L. T. Benson, of Indianapolis. The latter was looking for a grower. Geo. Sutter, of Hamilton, O., and Miss Margaret Reininger, bookkeeper at George Tromeys, will be married September 17.

C. E. Critchell is receiving excellent carnations from Robert Buck & Co., Washington, C. H.

Clarence Ahmer and wife and baby will return to West Palm Beach September 27.

P. J. Olinger went to New Castle, Ind., to inspect the greenhouses on Tuesday.

Julius Baer had the Klein opening this week. H.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**
WHOLESALE FLORISTS
 109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799.

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 & 1665 Madison Sq.

Consignments Solicited.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH,

Successor to
John I. Raynor,Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328, 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper: your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

NEW YORK, Sept. 18,	Per 100
Roses, Beauty, special.....	10 00@25 00
extra and fancy ..	6 00@10 00
No. 1 and No. 2....	1 00@ 6 00
Bride, Bridesmaid.....	2 00@ 4 00
extra and fancy.....	50@ 2 00
No. 1 and No. 2.....	3 00@ 4 00
Killarney, My Maryland..	2 00@ 3 00
extra and fancy.....	50@ 1 00
No. 1 and No. 2.....	50@ 4 00
Taft, Hillingdon, Aaron	50@ 2 00
Ward.....	50@ 1 00
Richmond.....	50@ 1 00
Asters.....	50@ 1 00
Carnations.....	50@ 1 00
Cattleyas.....	50 00@100 00
Gardenias.....	8 00@15 00
Lilies, Longiflorum and Harrisii..	4 00@ 6 00
Lily of the Valley.....	2 00@ 3 00
Adiantum Croweanum.....	15@ 50

M. C. FORD

Successor to FORD BROS.

Receivers and shippers of FRESH FLOWERS.

121 West 28th St., NEW YORK

Telephone 3870-3871 Madison Square

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 851 Madison Square

CONSIGNMENTS SOLICITED.



The Point is this:

It means a big saving to you to buy the quality of **Boxwood Sprays** that you can use every bit of.

It means a big loss to you when you pay for heavy wood.

We feel in position to recommend to the purchaser our **Boxwood Sprays** for good value in weight and quantity.

We guarantee the quality; can't do any more.

Price 50 lb. case \$7.50.

Special price on quantity orders. We use "**Express Savings**" shipping cases.

We ship successfully to all points of the United States and Canada. Season open October 1, 1912.

Pittsburgh Cut Flower Company

Introducers of FINE BOXWOOD SPRAYS
Salesrooms and General Offices
121 SEVENTH STREET

Wholesale Growers of CUT FLOWERS
PITTSBURGH, PA.

THE BOOK OF GLADIOLUS

THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

We Are Now Booking Orders for
Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSES**
E. A. BEAVEN, Evergreen, Ala.

Always mention The American Florist
when you order stock. : : :



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000
Sphagnum Moss, large bales.....\$1.50
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze Basket, \$2.25; 6 baskets \$2 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

Mention the American Florist when writing

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of
quality and quantity.

E. FRIEDL, Phillips, Wis.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50.

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.

Write, wire or phone,

Caldwell the Woodsman Co.
Everything in Southern Evergreens.
EVERGREEN, ALA

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone 334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. — Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

September 22.

FROM MONTREAL, Lake Erie, Allan.

September 24.

Potsdam, Holland-America, 10 a. m.

Kaiser Wilhelm II., North Ger. Lloyd, 10 a. m.

September 25.

Cincinnati, Ham.-Amer., 10 a. m.

September 26.

FROM MONTREAL AND QUEBEC, Lake Champlain, Can. Pac., at daybreak.

Campanello, Uranium.

Baltic, White Star, 12 noon.

September 27.

FROM PHILADELPHIA, Marquette, Red Star, 10 a. m.

September 28.

Columbia, Anchor, 10 a. m., Pier 64, North River.

FROM MONTREAL, Ausonia, Cunard.

Philadelphia, American, 9:30 a. m., Pier 62, North River.

Kronland, Red Star, 10 a. m., Pier 61, North River.

FROM BOSTON, Canopic, White Star, 11 a. m.

Magdalena, Royal Mail, Pier 42, North River.

LIGONIER, IND.—Otto C. Shrock of Elkhart has purchased a lot in this city and will erect a greenhouse, the first to go up here.

ROCKFORD, ILL.—John Bergstrom, foreman at the H. W. Buckbee greenhouse, will open a flower shop of his own at 507 Seventh street. He will be ready for business about October 1, and will carry a line of seeds as well as flowers.

GRAND RAPIDS, MICH.—Reed & Cheney have increased their capital stock from \$10,000 to \$100,000 in order to take over the Grand Rapids Greenhouse. The officers will remain the same as heretofore, Charles L. Reed acting as president, Carl W. Wiley, vice president and H. J. Cheney, secretary-treasurer.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.

Kansas City and Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Hubermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heisl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Sanken, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburg, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park J. A. VALENTINE, Floral Co. President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Ga 7 St.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Ziegler Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)
336 Superior St., Toledo, O.
Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URAH J. VIRGIN, —838—
CANAL ST.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Boston.

TOO MANY ASTERS.

Trade on the whole is satisfactory for a certain grade of stock, but the population will have to increase or other channels will have to be found for the avalanche of asters that is being raised. A, being expected to quit; B, plants more; C, follows suit and everybody is doing it, so the quantity grows steadily each year. The agony will soon be over and the inside product will cut some figure. Carnations are coming in short stemmed. Both these flowers and roses show the effects of the hot spell passed through. It is too soon to mention anything in the rose line, only that the Lady Hillingdon is filling the promise she made last year. Quite a number were planted and there is no special trick of getting it to grow, and the growth and abundance of flowers is pleasing to look at.

We were interested in the remarks of J. C. Vaughan in last week's issue. The rose grower, with all his other troubles, will have to get a permit to import his rose stocks. The law-makers are saddling the business man with a lot of unnecessary expense, and some day the proverbial last straw will be put on that will cause an eruption. I believe better laws could be made in an insane asylum. Just now we are in the throes of our election struggle in which hot air plays an important part. It's too bad business men couldn't be elected. Give a business administration to promote business rather than the class reaching to kill business or put an anchor on it.

Harry A. Barnard, of London, England, was the guest of honor of the Horticultural Club of Boston at a meeting and dinner at Young's Hotel September 11.

MAC.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

WITTBOLD'S

New Display Rooms. 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee.

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	36.....	\$ 2 50	\$30 00
3-in.	5	12.....		2 00	7-in.	4	36 to 40.....	3 00	36 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	40 to 42.....	4 00	48 00
5-in.	6 to 7	18.....	50	6 00	9-in.	4	42 to 48.....	5 00	60 00
6-in.	6 to 7	24.....	1 00	12 00	9-in.	4	48 to 54.....	6 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	28 to 30.....	1 50	18 00	12-in.	4	5½ to 6½ ft.....	15 00	
Cedar tub Leaves					Phoenix Roebelenii				
7-in.	6 to 7	34 to 36.....	2 50	30 00	5-in., nicely characterized.....			Each	
9-in.	6 to 7	40 to 45.....	4 00	48 00	6-in., 18 to 20-in. spread.....			1 50	
9-in.	6 to 7	42 to 48.....	5 00		Cedar tub High Spread.....			Each	
9-in.	6 to 7	48 to 54.....	6 00		7-in. 18-in. 24-in.....			\$2 00	
9-in.	6 to 7	5 ft.....	8 00		Cibotium Schlegelii				
9-in.	6 to 7	6 to 7 ft.....	10 00		Cedar tub Spread			Each	
Cocos Weddelliana					7-in. 2 to 2½ feet.....			\$2 00	
Pot	In. high		Per 100		9-in. 4 feet.....			4 00	
2½-in.	8 to 10.....		\$10 00		9-in. 5 feet.....			5 00	
Areca Lutescens					9-in. 6 feet.....			6 00	
9 in.	Several	5 ft.	\$7 50						

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted, carefully packed—to reach you in good growing condition.

November delivery—S. A. Nutt,

\$12.50 per 1000.

Ricard and Poitevine, \$15.00

per 1000.

Carnations and Coleus in season. Send

for lists.

ALBERT M. HERR,

LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon	6 00	50 00
May Day.....	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.

DES PLAINES, ILL.

ASPARAGUS

	Per 100	Per 1000
3-inch Asparagus Plumosus.....	\$3.00	\$25.00
1-year-old Asparagus Plumosus for bench.....	2.00	18.00
Strong 2-in. Smilax plants.....	2.00	18.00

GEORGE REINBERG,

162 N. Wabash Ave.

CHICAGO

Palms, Ferns, Etc., for Fall.

Get Your Order in

While Stock Is Complete.

Our new importation of Boxwood should reach us Oct. 25th to 30th.

ASK FOR PRICES.

Asparagus Hatcheri.—2¼-in., strong, per doz., \$1.50; per 100, \$10.00; 250 for \$18.75.

Asparagus Plumosus—Seedlings, per 100, \$1.00; per 1000, \$8.00. 2-in., per 100, \$3.00; per 1000, \$25.00.

Asparagus Sprengeri.—Seedlings, per 100, 85c; per 1000, \$6.00.

Small Ferns

for Dishes.

In 10 choice varieties, well established,

2¼-inch, our selection of varieties,

per 100, \$3.50; per 1000, \$32.50.

Begonia Lorraine.—4-in., per doz., \$5.00

Boston Ferns.—2½-in., per 100, \$5.00.

Palms.—Choice stock in all sizes of Kentias, Latanias, Phoenix Roebeleni and Pandanus Veitchi. Ask for prices on sizes to suit.

Primula Malacoides.—2¼-in., per doz., 75c; per 100, \$4.00.

Vaughan's Seed Store, Chicago

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress,	\$6.00	\$50.00
Enchantress,	6.00	50.00
C. W. Ward,	6.00	50.00
Pink Delight,	6.00	50.00

F. F. SCHEEL,

SCHERMERVILLE, ILL.

The Early Advertisement Gets There.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

ALFRED J. BROWN, of Grand Rapids, Mich., is making a trip to the Canadian northwest.

CHICAGO.—Prices on the Board of Trade September 18, for grass seed were noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.

A. EMERICH, representing Vilmorin-Andrieux & Co., Paris, France, sails for the United States on the S. S. La Lorraine, September 21.

MADISON, WIS.—Plans for the new four-story steel and concrete building of the L. L. Olds Seed Co. have been accepted. Work will begin at once.

VISITED CHICAGO: H. A. Johns, of the Sioux City Seed & Nursery Co., Sioux City, Ia., passed through Chicago last week on his way to the Michigan bean district.

CABLE advices of September 17 from Japan are to the effect that shipments of *Lilium giganteum* are now going forward. There has been no noteworthy change in prices to date.

SACRAMENTO, CALIF.—A quarantine order issued by State Horticultural Commissioner A. J. Cook and signed by Governor Johnson, bars from the state the importation of alfalfa from several counties in Utah, Idaho and Wyoming. The quarantine is for the purpose of preventing the introduction of the alfalfa weevil into California.

CANADA growers in the vicinity of Simcoe say that the pea crop there has been so risky the last few years that few are grown but some correspondents claim that this year's improvement in the crop will likely encourage the sowing of a larger area. The newer districts of Northern Ontario have excellent reports concerning the yield and general prospects of peas.

Robinson Company Improving Buildings.

The J. C. Robinson Seed Co., of Waterloo, Nebraska, is making some important changes in its cleaning and storage plant. A fire-proof brick and concrete power house is being built and a Meitz-Weise fuel oil engine of one hundred horse power will be installed. Electricity will be used entirely for power. Some twenty odd motors will handle the different pieces of machinery. A plain one story warehouse 80x120 feet is being built. This will be used for storage only. The dry house has been moved to the track and a complete cleaning plant installed. A water pipe boiler, heated by the discharge from the engine, will furnish steam heat for the dryer. The changes, besides making the firm's plant strictly up to date, will give storage to some 20,000 additional sacks.

Michigan Seed Crops.

Jackson, September 11.—Nearly all Michigan crops went into the ground two to four weeks late and in addition have been held back by a very cool and wet summer. In southern Michigan we are now having some very hot weather which is all right for corn, but is scalding and burning tomatoes and vine crops.

Cucumbers, melons and tomatoes promise about a half crop. Peas in Northern Michigan are having a hard time on account of rainy weather. I.

Nebraska and Colorado Seed Crops.

Waterloo, September 14.—Our seed crops here are in fairly good condition. Vine seed will make fair returns, but the setting of fruits is unusually light. The yield per acre will probably not exceed one-half of that of a year ago. Our vine seed crops at Rocky Ford, Colo., are in good condition, very few failures and a good fair crop in nearly all items, but the setting of fruits there is also materially lighter than a year ago. The yield will probably average at least 100 pounds per acre less. The acreage planted at Rocky Ford is not more than fifty per cent of the acreage of last year. The acreage at Waterloo is about the same as a year ago. Sweet corn is very promising in our immediate vicinity, the crop is fairly safe from frost, although we need about ten days more to make it sure. The crop of early sweet corns and Flint corns in the central and northern part of the state will make very light returns. Hot dry weather has hurt it very much. The crop as a whole will be very satisfactory, there being both seed and corn enough in sight to fill orders on most varieties, with no great surplus of anything in seed this season. R.

Connecticut Seed Crops.

Milford, September 7.—Our small seed crops here are now practically all harvested with the exception of some of the carrot, the harvest of which is now being completed. On most items of turnip we have been making full delivery or nearly full, and in spite of the world-wide shortage of beet, we are filling practically all items in full. We have been rather fortunate on these two crops here the past season. On parsnips we have been very unfortunate. As to onion, we harvested a pretty good crop, rather better than the average. We had a pretty fair acreage and good plump heads free from blast and blight of any sort, and although the weather is not very favorable for curing the seed in our drying rooms, we hope to have very good returns on all varieties of onion unless possibly Southport Red Globe, which seems to have done more poorly than the others. We are not going to have large crop of seed corn. We hear from our growers of a good many failures. The mid-summer drought undoubtedly stunted

the crop in general to a material extent. Lately it has been too cool for the crop to advance as it should, and it was backward from the outset on account of the late spring. As a result a yield certainly less than normal would be cut down to a very small one by an unfavorable fall or an unusually early frost. With a favorable fall, we can still come out fairly well on seed corn. Beans are a very uncertain item right now. It manages to rain two out of every three days and is cloudy and cold on the third day so that the crop is not proceeding toward maturity, is very, very backward and beans that are on the ground are being ruined. The more sensitive varieties are rusting, so that injury already done makes certain a light yield. If we had written a week ago we should have stated that if the rain would stop immediately we could still make, with a favorable fall, a fair crop of beans, but reports of the past week have removed this hope, so that we are now of the opinion that even with an immediate cessation of these unfavorable conditions, and with a favorable fall, there will be not to exceed from one-half to two-thirds of a crop. We have just commenced to receive some of our peas and in some of our sections we are going to get a fair yield of a very good quality, but about half of our territory has been subjected to continual rains right during the midst of harvesting and late varieties as well as late sown early dwarf varieties have undergone heavy deterioration and a great many crops have been lost entirely. There is going to be a very heavy hand-picking waste and expense on those that have not been lost outright. The situation on pea today is much worse than when we sent out our last crop report to the trade, but the extent of deterioration that the crop has undergone we cannot estimate until we have some receipts from the affected territories. C.

Catalogues Received.

Vaughan's Seed Store, Chicago and New York, fall book for florists; Fottler, Fiske, Rawson Co., Boston, Mass., florists' special autumn list seeds, bulbs, etc.; W. E. Marshall & Co., New York, bulbs for fall planting; Chas. D. Ball, Holmesburg, Philadelphia, Pa., wholesale list of palms and decorative plants.

Jac. Smits & Co., Naarden, Holland, wholesale list of nursery stock and private nursery code; Haage & Schmidt, Erfurt, Germany, seeds, bulbs and plants; M. Herb, Naples, Italy, bulbs and seeds; Vilmorin Andrieux & Co., Paris, France, seeds, bulbs and plants; Alma Nurseries, Oudenbosch, Holland, trade list of nursery stock; Schaum & Van Tol, Boskoop, Holland, wholesale trade list of nursery stock; Victor Detriche & Co., Angers, France, wholesale trade list of nursery stock; E. Neubert, Wandsbek, Germany, lily of the valley, nursery stock, etc.; Union Nurseries, Oudenbosch, Holland, wholesale list of nursery stock.

Pieters-Wheeler Seed Company

Growers of:
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons
ROCHESTER, N. Y.

Direct Importations

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades
Azaleas, Palms, Beys, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Menetti. Jap Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE
17 Murray Street, NEW YORK

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., **Baltimore, Md.**

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., **CHICAGO**

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oats
Barley
Wheat

SWEDISH SPECIALTIES

Grown Under Government Control by

The General Swedish Seed Co.
SVALOEF, SWEDEN

Descriptive Pamphlet Prices
and Samples on Application.

LOECHNER & CO., 11 Warren Street
NEW YORK

Oats
Barley
Wheat

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

SEED PACKETS

WRITE FOR SAMPLES AND PRICES.

THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed....25c
1 oz.\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan
and Wisconsin.

MILFORD, CONN.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinberg, Germany

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid.

Oklahoma

The Early Advertisement Gets There.

Sow Vaughan's Giant Flowered Cyclamen Seed.



GIANT ENGLISH GROWN.

Prices, 100 seeds, \$1.00; 1,000 seeds, \$8.00 net.

- | | |
|--|--|
| Rosy Morn. Delicate rose color.
Claret base. | Princess May. Pale Pink.
Mauve Queen. Mauve. |
| Picturatum. Light rose, tinted
with claret base. | Duke of Connaught Purplish
crimson. |
| Grandiflora alba. The largest
giant white. | Duke of Fife. Dark rose. |
| Excelsior. White with red base.
Extra large flowers. | Salmon Queen. A very striking
new color. |

GIANT GERMAN GROWN.

100 seeds, 65c; 1,000 seeds, \$5.00.

- | | |
|---|---|
| Pure White (Mont Blanc). | White with Carmine Eye. |
| Dark Crimson. | Extra Choice Mixed. Per 100
seeds, 50c; 250 seeds, \$1.15;
1,000 seeds, \$4.50; 5,000
seeds, \$20.00. |
| Rosa von Marienthal, "Daybreak
Pink." | |
| Dark Rose. | |

GIANT ORCHID-FLOWERED.

Price, 100 seeds, 85c; 1,000 seeds, \$7.00.

- | | |
|--|--------------------|
| White with Carmine Eye. | Pure White. |
| Lilac. | Red. Pink. |
| Giant Orchid-Flowered Cyclamen in choicest mixtures, 100 seeds,
80c; 1,000 seeds, \$6.50. | |

CHICAGO

31-33 W. Randolph St.

Vaughan's Seed Store

NEW YORK

25 Barclay St.

Greenhouses, Nurseries and Trial Grounds, Western Springs, Ill.

Fall Bulbs

LOOK THIS OVER. If these are not the best bulbs you have seen, return them at our expense.

Single Red Hyacinths. Per 100
Gertrude, Baron von Thuyle.....\$6.00

Single White Hyacinths.
Grande Blanche, Mad. van der Hoop,
L'Innocence.....\$6.00

Single Blue Hyacinths.
Queen of the Blues, Marie.....\$6.00

Single Yellow Hyacinths.
Mac Mahon, Yellow Hammer.....\$6.00

Tulips Single. Per 100 1000
La Reine...\$.60 \$ 5.50

Tulips Double. Per 100 1000
White Swan .90 8.50

Cott'ge Maid .85 7.00

Rose Lui-
sante..... 2.40 21.00

King of Yel-
lows..... 1.75 15.00

Yellow Pott-
ebakker... 1.25 9.00

Purperkro'n 1.35 10.50

Conleur de
Cardinal... 2.35 21.00

Duchess de
Parma.... .90 8.00

Proserpine. 2.25 19.00

Pres. Linc'n 2.25 19.00

Kaiser Kr'n 1.25 9.00

White Calla, Select Bulbs..... Per 100, \$ 8.00

Freesia Purity, 1/2 inch and up..... Per 1000, 12.00

Giant Pansy Seed, mixed..... Per oz., 1.25

Mignonette Seed, finest strain..... Per oz., 1.25

Boxwood, pyramidal 3 ft..... Each, 1.50

Ampelopsis Veitchii, 4 inch pots..... Each, .15

Cash or Reference.

F. O. FRANZEN, 1476 Summerdale Ave.
CHICAGO

Mention the American Florist when writing

Pansy Plants.

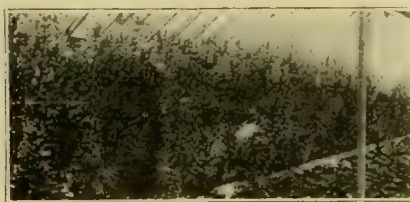
Best strain on the market. **Daisies** (Bellis)
Forget-Me-Not, Sweet William, Gaillardia,
Coreopsis, Delphiniums, Hardy Pinks,
Foxgloves. Fine plants. \$2.50 per 1,000.
5,000 for \$10.00.

Hollyhocks, double, in colors. 50 cts. per
100, \$4.00 per 1,000.

Primulas, Asparagus Plumosus and Sprenger. Fine plants. 2 1/2 in. \$2.00 per 100, \$5.00 per 300.

Smilax. Strong, bushy plants. 2 1/2 in. \$1.50 per 100, \$12.50 per 1,000.

J. C. SCHMIDT, Bristol, Pa.



PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.

Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

FIELD-GROWN

Carnation Plants

3200 Winsor, 3000 White Enchantress, 500 Rose
pink, 400 Pink, 325 White Perfection, 500 White
Lawson. Any of the above, \$4.00 per 100, or
\$35.00 per 1000. These plants are well branched
and first-class in every respect.

3-in. **Asparagus Plumosus** and **Sprenger**, \$5.00
per 100.

2-in. **Smilax**, \$2.00 per 100.

All of the above stock is clean and healthy and
we make the above prices in order to move
quickly. Address

ADDEMS, MORGAN & CO.

PAXTON, ILL.

Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50. Cash, please. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at 1/4 cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

Japanese Lilies

Spec. Album, 9 in.-11 in.....per 100..\$13.00
.. Rubrum, 9 in.-11 in.....per 100.. 9.00
.. Melpomene, 9 in.-11 in.....per 100.. 9.50

Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

**Contract Growers of
High Grade Seeds**

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2 1/2 in.,
\$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Boddington's "Quality"

Christmas=Flowering Sweet Peas

WE ARE SUPER-HEADQUARTERS

All true stocks of Winter-flowering Sweet Peas will be scarce this season. Some varieties are a total failure owing to the exceptional season in California this Spring. Our advice to intending planters is to order at once.

Mr. William Sim, Cliftondale, Mass., the great sweet pea specialist sows our seed almost exclusively.

Our stocks of Christmas-flowering Sweet Peas have stood the test for years, and we can refer you to the largest growers of this increasingly popular flower, as to the trueness and quality of our seed, earliness of blooming period and strength and habit of plants.

The following varieties are the "best by test" and include Zvolanek's and our own introductions, grown for seed from selected stocks by the leading California grower and specialist in Sweet Peas.

Our output last year was nearly 3,000 lbs. Few kicks and plenty of testimonials as to quality, germination and trueness to type.

We Can Make Immediate Delivery of the Following:

BODDINGTON'S EXTRA-EARLY CHRISTMAS WHITE SNOWBIRD. An exceptionally early Sweet Pea for indoor flowering—will bloom six weeks after sowing. Color clear white, upon long stems; habit fairly dwarf and of exceptionally free-flowering qualities. Without doubt the finest early white for indoor planting. We sell one grower in Pennsylvania 35 lbs. of this variety every year; name on application. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

BODDINGTON'S CHRISTMAS PINK. This is the earliest and most profitable and useful Sweet Pea in cultivation, as by sowing the seed under glass in latter part of August, flowers can be cut from Thanksgiving on during the Winter months. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

BODDINGTON'S CHRISTMAS WHITE. A companion to our Christmas Pink. Just as free and profuse a bloomer. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

ANGELINO. Self pink; new variety. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

CANARY. Similar to the above, but flowers of an exceptionally good yellow. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

CHRISTMAS METEOR. Scarlet; fine open red flower. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

CHRISTMAS STELLA MORSE. Creamy buff standard, wing slightly tinged with pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$4.50.

FLAMINGO. Color scarlet; free-flowering and early. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

FLORENCE DENZER. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

LE MARQUIS. This is the same color as Princess of Wales, violet; has very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MRS. ALEX WALLACE. Lavender; very scarce. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. F. J. DELANSKY. Daybreak pink. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.25, lb. \$4.00.

MRS. GEO. LEWIS. Large, pure white, wavy flower. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. E. WILD. Carmine or dark pink. Oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., $\frac{1}{2}$ lb. 85 cts., lb. \$1.50.

MRS. HANNAN. Deep rose-pink; very pleasing shade. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.00, lb. \$3.50.

MRS. W. W. SMALLEY. Satiny pink. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.75, lb. \$3.00.

MRS. WILLIAM SIM. Salmon-pink. Oz. 30 cts., $\frac{1}{4}$ lb. \$1.00, $\frac{1}{2}$ lb. \$1.50, lb. \$2.50.

MRS. ZVOLANEK. Blue, variegated. Oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, $\frac{1}{2}$ lb. \$2.75, lb. \$5.00.

MISS HELEN M. GOULD. White, open flower; standard lilac, marbled. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

MISS JOSEY REILLY. Lilac; very large flowers. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WATCHUNG. Pure white. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

WM. J. STEWART. Blue self. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., $\frac{1}{2}$ lb. \$1.25, lb. \$2.00.

All other varieties of Winter and Summer-flowering Sweet Peas supplied. Write for quotations.

5 per cent may be deducted if cash accompanies the order.

ARTHUR T. BODDINGTON, Seedsman, 342 W. 14th St., NEW YORK

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

PRIMROSES

	Per 100	Per 1000
Chinensis. Forbesi. Malacoides.		
Obconica. Alba. Rosea. Kerme-		
sina.	\$1 50	\$15 00
Gigantea - All from 2 1/4 pots.	2 00	
Asp. Plumosus, 2 1/4 pots.	2 00	18 00
Sprengeri.	2 00	15 00
Plumosus Seedling.	1 00	7 50
Sprengeri	1 00	6 00
Vinca Variegata field plants Cut		
back.	5 00	
Fancy Plants, Giant Flowering.		2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes.	\$4.00
3 foot	6.00
6 in. Birch Bark.	1.00

Order a few of each size.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St
BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

ALL FALL BULBS MOVING NOW : :

French Romans Per 1000
11-15 (2200 to case).....\$22.00
12-15 (2000 to case)..... 25.00

Lilium Harrisii Per 1000
5-7-inch (400 bulbs to case).....\$35.00

Callas. Per 1000
1 1/4-1 1/2-inch (Calif. grown) ..\$50.00

Dutch Hyacinths Per 1000
First Size, Named Varieties...\$55.00
Second Size " " .. 35.00
Forcing Grade 30.00
Bedding Grade..... 22.00

Narcissus Per 1000
Emperor.....\$12.00
Empress 12.00
Golden Spur..... 12.00
Princeps..... 6.00
Victoria 12.00
Single Incomparable..... 7.00
Poeticus 4.50
Von Sion Double Fancy Select 12.50

Narcissus Paper Whites

Grandiflora Per 1000
Fancy (1250 bulbs to case).....\$ 9.00
Star (1000 bulbs to case)..... 11.50

Freesias. Per 1000
French Mammoth.....\$10.00
Purity Mammoth 25.00
Purity, extra size..... 20.00
Purity, first size..... 17.50

Tulips (Single) Per 1000
Artus\$ 6.25
Chrysolora..... 6 00
Cottage Maid..... 7.25
Keizerskroon..... 9.00
La Reine..... 6.50
Proserpine 18 00
Yellow Prince..... 6.50

Tulips (Double) Per 1000
Crown d'Or.....\$14.00
Murillo 8.00
Tournesol Red and Yellow ... 17.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.

Grafted White Kil'arney

3 1/2 and 4-inch pots, choice young
stock ready to plant

\$10.00 per 100

BASSETT & WASHBURN

Off.ice Greenhouses
131 N. Wabash Av. Hinsdale,
Chicago, Ill. Ill.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in pots. Malacoides Chinese, Forbesi.
Obconica Alba, Rosea, Lilac, Rubra, Hybrida.
Compacta, Carmine, Blue, Sanguinea, Giant Rosea,
Giant Mixed, Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100.

CARNATIONS, FIELD.

Harlowarden, Enchantress and Rose Pink, \$4.00
per 100.

FERNS.

From bench. Boston, Whitmani, Elegantis-
sima, 4-in. 10c; 5-in., 12c. Scholzei, Amerpohli,
3-in., 8c; 4-in., 12c.

—Cash.—

BYER BROS., Chambersburg, Pa.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - - -	8.00
White Perfection, - - -	7.00
Rose Pink Enchantress, - - -	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

Mention the American Florist when writing

Field-Grown Carnations

Limestone land. No stem rot.
R. P. Enchantress, Enchantress, Victory,
\$6.00 per 100; \$55.00 per 1000.
White Enchantress,
\$7.00 per 100; \$65.00 per 1000.

250 at 1000 rate. Cash, please.
W. Fargo, U. S. and American Express.

JNO. F. SABRANSKY, Kenton, Ohio

Mention the American Florist when writing

Two Important New Commercial Ferns

Cyrtomium Rochfordianum

(The Crested Holly Fern)

The most valuable Decorative Fern of recent introduction.

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which makes it valuable not only as a dish Fern but decorative work and for apartment use.

2½-inch pots **75c** per dozen, **\$5.00** per 100, **\$40.00** per 1000; 4-inch pots **\$2.00** per dozen, **\$15.00** per 100. Also a limited lot of flats of about 200 plants each, at **\$3.00** per flat.

Adiantum Farleyense Gloriosa

(The Glory Fern or Rum Von Mordrecht)

The Fern which will revolutionize the cut frond business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety, and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

Anyone who successfully grows the ordinary varieties of Adiantum, such as Cuneatum, Croweanum, and Hybridum, can grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants, 2½-inch pots, at **\$2.00** per dozen, **\$15.00** per 100, **\$140.00** per 1000.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.



PERENNIALS--VERY FINE STOCK

LARGE CLUMPS, DIVISIONS, 2 CENTS AND UP ACCORDING TO SIZE

250 <i>Achillea</i> (The Pearl White).....	\$0.12½ Each	340 <i>Iris Germanica</i> L. Avenir.....	\$0.25 Each
272 <i>Achillea M. folia</i> red.....	0.12½ "	115 " " Light and Dark Purple.....	25 "
324 <i>Althaea</i> <i>versides</i>	0.12½ "	496 <i>Iris Mixed</i>	25 "
5,000 <i>Chrysanthemum</i> Max.....	\$20.00 per 1000	230 " Japan mixed varieties.....	20 "
1,500 <i>Chrysanthemum</i> Max.....	0.12½ Each	300 <i>Mentha P. pperita</i> (Peppermint).....	10 "
2,500 <i>Hibiscus</i> <i>Crimson Rye</i> (Seedlings).....	10.00 per 1000	102 <i>Monarda</i>	12½ "
3,000 " " ".....	20.00 "	320 <i>Myotis Polaris</i> (Forget-me-not) Semperflorens.....	12½ "
2,500 <i>Hibiscus</i> <i>Militaris</i> (Seedlings).....	10.00 "	222 <i>Phys. steda Virginia</i> (Dragon head pink).....	12½ "
2,000 " " ".....	20.00 "	1,500 <i>riptycodon</i> blue (Seedling).....	\$10.00 per 1000
1,200 <i>Hollyhocks</i> (Dbl. White Seedlings).....	10.00 "	2,000 " " ".....	10.00 "
1,000 " " ".....	20.00 "	1,250 <i>Pentstemon</i> Mixed (Seedling).....	10.00 "
1,500 " " ".....	10.00 "	6,325 <i>Phlox</i> mixed.....	\$0.03 Each
1,000 " " ".....	20.00 "	340 <i>Ranunculus</i> <i>Acris</i> fl. pl. (Buttercup or Bachelor Button).....	12½ "
1,800 " " ".....	10.00 "	744 <i>Yucca</i> <i>Filipandula</i> (Adams Needle or.....	10 "
1,000 " " ".....	20.00 "	807 " " ".....	15 "
2,000 " " ".....	10.00 "		

OTTO WITTBOLD NURSERY

EDGEBROOK

Phone Ridgemoor 124

CHICAGO, ILL.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Landscape Gardening



PROF. CRAIG.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield Mass.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

THE

CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order.

AMERICAN FLORIST CO.

440-S. Dearborn St., CHICAGO.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

For the Best New and Standard

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

LARGE TREES

OAKS and MAPLES
Pines and Hemlocks

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

We wish to call your attention to the following:
The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.
The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.
The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.
Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Neorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

FOR SALE.

Surplus shrubs for fall planting. Large stock. Rose of Sharon, Deutzia—Pride of Rochester, Forsythia, Spir. a Anthony Waterer, weigela, three varieties, 25c each.
Kerria Japonica, 15c each.

All F. O. B. Southampton Station. No charge made for packing for cash orders.

Chas. E. Frankenbach & Sons,
SOUTHAMPTON, N. Y.

Please Take Notice!

OUR MOTTO: WE BELIEVE.

We believe in American business methods. We believe in our customers. We believe that truth is an asset, and that our word is as good as our bond. We believe that the best is none too good for our customers. This ends our liability in selling only the best.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5¼ to 5½-in. pots. 2-3 years old. 3-4 tiers. 14-15-16 in. high. 40c to 50c; 5½ to 6 in. pots. 3 years old. 4-5 tiers. 16-18-20 in. high. 60c to 75c; 6-in. pots. 4 years old. 4-5 tiers. 20-22-25 in. high. \$1.00; 6-in. pots. 5 years old. 5-6 tiers. as big as an elephant. \$1.25 to \$1.50; 7-in. pots. 5 to 6 years old. 6-7 tiers. 30 to 40 in. high. a holy terror, only \$1.75 to \$2.00.
Araucaria Excelsa Glauca and Robusta Compacta, April, 1911.

importation. 6-7 in. pots. fine bushy plants. \$1.25. \$1.50. \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches high. 6-in. pot. \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high. 6-in. pot. 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high. \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.25. and \$1.50.

Kentia Belmoreana combination or made up of 3 plants, 3 year old. 24 to 26 in. high. 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 5½ to 6 in. pots. 25 to 28 in. high. 50c to 60c; 4½-in., 18 to 20 inches high. 35c.

Kentia Forsteriana, 5 to 6 years old. 40 to 50 in. high. \$1.75. \$2.00 and \$2.50.

Kentia Forsteriana 6-in. pots. made up, one large in center, three small ones around, \$1.00 to \$1.25.

Cocos Weddelliana Palms, single, 3-in. pots. 15c, 18c and 20c.

Arecia Lutescens Palms, made up of 3 plants. 4-in., 20c to 25c; 5¼-in., made up of 3 plants. 25c to 30c.

Aspidistras, variegated, 6-in. pots. 15c per leaf; green, 6-in. pots. 1c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphaea Australis Palms, 5-in. pots. 20-in. high. 35c.

Asparagus Plumosus and Sprengeri, large 4-in. \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2¼-in., \$3.00 per 100.

Asparagus Sprengeri, 2½-in., \$4.00 per 100.

Hydrangea Otaka, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5½-6-7-in. pots. 25c-35c-50c.

Ficus Staltica, Belgium or American stock. 5-5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Poinsettias, 4-in., 20c.

Primula Obconica Grandiflora, good strain. assorted. 4-in., \$4.00 per 100. **Primula Chinenensis,** John F. Rupp strain. assorted. 4-in., \$10.00 per 100; 5½ in., only \$2.50 per doz.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeana and others. 75c. \$1.00. \$1.25. \$1.50 to \$2.00.

Begonias Gloire de Lorraine and Lonsdale, pink. large 4-in., 30c to 35c; **Glory of Cincinnati,** 4-in., 40c to 45c.

Ferns.

Neph. Whitmani, 4-in., 20c; 5½ to 6-in. pots. 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.

Boston, 8 in., 75c to \$1.00; 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 6-in., 50c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. **Dish Ferns,** now ready, \$4.00 per 100.

6-in. dishes, made up of **Wilsoni Ferns,** one large **Dracaena Terminalis** in center. 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns,** very attractive, would sell like hot cakes for 75c.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Binghamton, N. Y., Sept. 3rd, 1912.

Mr. Godfrey Aschmann, Philadelphia:

Dear Sir:—Your shipment of Palms, Plants and Ferns arrived in fine shape. I certainly am well pleased with all stock you send me, and I will send you another order.

S. W. BACKER, Billy the Florist.
93 Front St., Binghamton, N. Y.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants:

"Sept. 14th, 1912.

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices. Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants, 1012 W. Ontario Street, PHILADELPHIA, PA.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories

Sidney, Ohio

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best"

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings. 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....

.....\$3 each; 30 per dozen; \$ 00 per 100
Croton Punctata, 5 inch pots, heavy, \$20 per 100
Croton Punctata, 4-inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....

.....\$4, \$5, \$6 and \$7.50 each
Branch plants, exceptionally fine, at.....
.....\$2, \$2.50, \$3, \$3.50, \$4, and \$5 each

Nephrolepis Elegantiissima Improved.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.

2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100; \$450 per 1000
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.

2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$12 and \$15 per dozen
11-inch tubs.....\$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Glazilii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.

6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scottii.

Our stock is in superb condition.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
6-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....

.....\$15 and 18 per dozen
10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlii.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.

4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlii.

The above variety is a greatly improved Amerpohlii. It is a compact form, much finer than Amerpohlii and does not break down in the center. The fronds are carried on wire

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2½-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 100

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeoides—London Fern.

A good, strong grower and one we think very highly of.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100
9-in. and 10-in. tubs.....\$18, \$4 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
6-inch pots, very heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantiissima Compacta

A dwarf compact form of Nephrolepis Elegantiissima, each plant making an ideal shape.

2½-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO. : 49th and Market Sts. : PHILADELPHIA, PA.

FIELD GROWN

CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

Robert Craig Co...

HIGH CLASS PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,

WEST GROVE, PA.

VAUGHAN'S PEONIES.

Plant now; stock of our own growing, strictly true to name, strong divisions of 3 to 4 eyes each.

	Each	Doz.	100
Charlemagne. Very large shell pink.....	\$0 25	\$2 40	\$18 00
Duchess de Nemours (Calot). Cup shaped, sulphur.....			
white.....	20	2 00	15 00
Duchess de Nemours (Guerin). Bright pink.....	20	2 00	15 00
Festiva Maxima. Immense white, spotted red.....	20	2 00	15 00
Kohinoor. Splendid shell pink.....	20	1 80	12 00
La Tulipe. Delicate rose tipped carmine.....	20	2 00	15 00
Mathilde Mechin. Ball-shaped French pink.....	30	3 00	20 00
M. Dupont. Ivory white, carmine border.....	35	3 60	
M. du Ribert. Rosy magenta.....	20	1 80	
Mme. de Gailhau. Soft flesh pink.....	20	2 00	15 00
Modeste Guerin. Large bright carmine.....	20	2 00	
Pulcherrima. Beautiful flesh pink.....	15	1 50	10 00

CASE LOTS.

Double Pink, Red, and White, equally divided, and separated. 200 roots, 3 to 5 eyes, for \$18.00; TWO for \$35.00.

Cases cannot be divided.

ASK FOR OUR COMPLETE LIST.

CHICAGO

VAUGHAN'S SEED STORE,

NEW YORK

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6 550 2½-in. Maryland, own root.....\$35.00 per 1000
1,700 3½-in. Maryland, own root..... 50.00 per 1000
400 2½-in. Bulgarié, own root.....\$40.00 per 1000
750 3½-in. Bulgarié, grafted.....\$8.00 per 1000

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
10,000 Perfection.....	\$5.00	\$50.00	5,000 Lawson.....	\$6.00	\$50.00
10,000 White Enchantress.....	6.00	50.00	1,000 Delight.....	6.00	50.00
6,000 Rose Pink Enchantress.....	6.00	50.00	800 Bright Spot.....	6.00	50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Lettuce Growing.

Most growers of lettuce have become so used to transplanting lettuce that it looks as if this was the only way. While transplanting has an advantage in saving time in winter, this same point is of little value to the first crop in the fall; besides, when temperatures run high in September and October transplanting is connected with considerable risk—especially the first dibbling of seedlings. Poor plants never produce good crops, and any grower who has had trouble with the first crop should try direct seeding. We have produced some of the finest crops of lettuce we ever saw by direct seeding and believe the method is valuable for early fall use. We mark the beds with an eight-inch marker square to the walks and very shallow—say one-quarter inch. Sow the seed thinly and evenly and water softly and evenly—keeping the surface damp until the plants are up. Grand Rapids lettuce is very impatient of covering, hence it is best not to cover at all. When the seedlings are well up and the character leaf appears, we give the first thinning—simply pulling out little bunches wherever tight. In a month or six weeks, we remove all surplus plants, except one every eight inches. Thus we have produced enormous quantities of plants for resetting or for sale at a nominal cost and at the same time occupying the bed permanently. These seedlings strike deep into the lower soil and although slow at first, they make up for lost time a little later on.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Mushroom Spawn



New Crop ENGLISH

Just Arrived
per Steamer
Ionian, from
London.

Live Spawn,
Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

Lower prices on
1000 pound lots.

Vaughan's Seed Store,

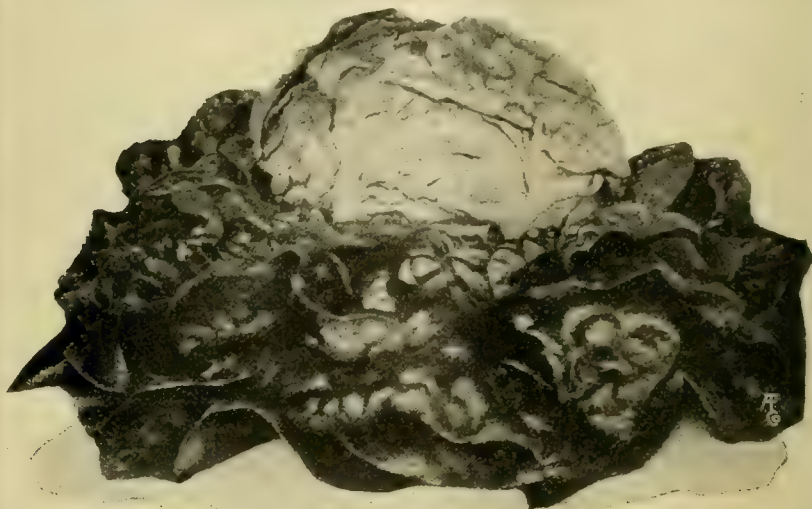
31 and 33 W. Randolph St., CHICAGO.

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



The Greatest Success of the Year is

DAVY'S IMPROVED BIG BOSTON LETTUCE

White Seed—Does Not Get Red

It has proved to be the best variety on the market. This sort is very slow to run to seed, and that is the reason the seed is so scarce. All Seed Merchants have tried to deliver such a sort, but no one has the same quality.

IF YOU DO NOT KNOW IT YET, TRY IT AT ONCE.

DAVY, Arpajon, (S & O), France

A. BACHELOT, Traveling Representative in America,
Address Care American Express Co., 65 Broadway, New York.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS, (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY O. CONTRACT.

Mention the American Florist when writing

Vegetable Plants

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Celery and Cabbage Plants

Celery, Golden Self Blanching, White Plume, Golden Heart, Boston Market, Giant Pascal and Winter Queen. No. 1 stock \$1.00 per 1000.

Cabbage, All Head and Danish Ball Head, \$1.00 per 1000; \$3.50 per 10,000. Grand Rapids Lettuce, \$1.00 per 1000.

Asters Early and Late Branching, all colors separate, \$2.50 per 1000.

Elmer Rawlings, Wholesale Grower, Olean, N. Y.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diezbach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	Mlle Rene Bessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens, fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Maoame Crousse , one of the best whites; midseason.....	20.00
Delachei , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower, stems long and firm; late midseason.....	20.00	Notabilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	25.00
Floral Treasure , rich, soft pink.....	15.00	Palmata , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

PANDANUS UTILIS

3½ in. pots.....	Per 100
Dracaena Indivisa —5 in., pot-grown, ready for repotting. Excellent value.....	At \$12.00
Cyperus Alternifolius —3½ in. pots. Very bushy and compact.....	At 8.00
Deutzia Gracilis —Specially grown for Easter forcing. Very bushy.....	At 15.00
Camoenula Medium —2½ in. pots. Fine for growing on for Easter.....	At 3.00
Hydrangea Otaksa —4 in., pot-grown.....	At 8.00
Ivy, field-grown, at \$4.00 per 1000.	

Cash with Order

A. L. MILLER, Jamaica Ave., opp. Schenck Ave. BROOKLYN, N. Y.

First Aid to Buyers Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Who'sale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:

Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.

Harrisii, an improved Bostoniensis. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each.

Giatsi, 8-in. pots, \$1.00 each; 3½-in. pots, 15 cents each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3½-in. pots, 15c. each.

Magnifica, 3½-in. pots, 25c each; 6-in., 75c. ea.

Asparagus Plumosus Nanus, 2½-in. pots, \$4.00 per 100.

Small Ferns for Fern Fans, 2½-in. pots, assorted, \$3.50 per hundred.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Phoenix Roebelenii.

The finest and most graceful of all palms and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Lilium Candidum.

Extra sized bulbs, \$5.00 per 100; \$40.00 per 1000
Mammoth bulbs, 6.00 per 100; 50.00 per 1000

Freesias. French-grown.

Mammoth bulbs, ¾-in. and up., \$12.00 per 1000
Extra sized bulbs, ½ to ¾-in., 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Cold Storage Lilium Giganteum.

7-9 in. bulbs: case lots of 300.

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

EATON RAPIDS, MICH.—A summer orchard meeting was held August 21 by the State Horticultural Society.

SOUTH BEND, IND.—The St. Joseph Horticultural Society met August 31 at the home of C. P. Bradely and discussed the marketing of apples.

ST. JOSEPH, MO.—At a meeting of the Missouri Board of Horticulture, held here August 31, it was announced that a "fruit census" of the state was being taken. A count of the fruit trees and the owners, with a view to putting the grower in touch with the buyer, is being made.

AUGUSTA, GA.—The Southern Nurserymen, representing fourteen states, adjourned August 29, after a splendid meeting in this city. The officers elected for the ensuing year are: O. Joe Howard, Greensburg, N. C., president; R. C. Chase, Huntsville, Ala., vice-president; A. I. Smith, Knoxville, Tenn., secretary-treasurer. The next meeting will be held in 1913 at Mont Eagle, Tenn.

American Apple Growers' Congress.

The American Apple Growers' Congress held their annual convention at the Planters hotel, St. Louis, Mo., August 22, in conjunction with members of the state board of horticulture. Where spraying was practiced big crops are reported. Poorer grades of apples will be used for cider. Senator Dunlap of Illinois expects 40,000 to 45,000 barrels from his orchard and J. Mack Lanner, of Springfield, Ill., expects 50,000. Louis Erb, from the Ozarks, also expects a big yield. All officers of 1911 were re-elected as follows: J. W. Stanton, Richview, Ill., president; Louis Erb, Cedar Gap, Mo., vice-president; T. C. Wilson, Columbia, Mo., secretary; Wesley Greene, Des Moines, Ia., treasurer. Resolutions for improved packing methods, etc., were adopted. The 1913 convention will be held at St. Louis.

Origin of the Naval Orange.

The naval orange is a bud sport that originated from the common seeded orange. It seems best explained upon the supposition that after the fruit had partly formed, a new growth impulse carried the center of the normal fruit further on. Such phenomena are examples of poliferation. Other illustrations are often found in flowers, where a new blossom may appear from the center of an older one. Examples are not rare in which the young seeds or even the ovules while still enclosed in the ovary have grown out into new plants. In the majority of flowers, the different parts spring from the tip of the stem and are not separated from one another by distinct intermodes. There is no reason, however, why the intermodes should be suppressed, and in several, such as the spider flower (*Cleome*), they are not. In the naval orange something similar takes place. —The American Botanist.

The Ascent of Sap.

How the sap ascends to the tops of tall trees in sufficient amount to supply the evaporation from the leaves as well as to form a necessary part of the plant food, has always been a puzzle to botanists. Various theories have been put forth, however, to account for it. Root pressure, capillarity, a sort of pumping action in the cells of the stem, evaporation and many others have in turn been tried and found wanting, according to the American Botanist. The latest and most satisfactory explanation of the phenomena is by an Irish botanist, Henry H. Dixon, who, after experimenting with water in sealed glass tubes has discovered that water has an unexpected tensile strength and under proper con-

ditions will resist considerable stress tending to pull it apart. It requires, in fact, a tension equal to more than 150 atmospheres to sever the columns of water in the ducts of plants. Dixon assumes that the evaporation of water from the leaves sets up a pull of sufficient strength to hold the water suspended in the conducting tracts of even the tallest trees. In elaborating his theory he shows how perfectly adapted to this function the tracheids and other vessels are. Even the partitions across the ducts, which in connection with any theory concerning root pressure and capillarity would only be in the way, by the new theory are shown to be an excellent contrivance for facilitating the ascent of sap.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

On the job day and night

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. *All goods F. O. B. your city.*

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



Try Us Out

SEASONABLE STOCK

Primula Obconica Gigantea (Arendsii), Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.
Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.
Primula Malecoides (New Baby), \$3.00 per 100, \$25.00 per 1000.
Poinsettias, strong 3 in. pot plants at \$7.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
Cibotium Scheidei (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Selaginella Emiliana, 2½-inch pots, \$3.50 per 100.
Swainsona Galegifolia Alba, 3-inch pot plants, \$8.00 per 100.
Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

HOLLAND TREES AND SHRUBS

We grow a general assortment of

ROSES, LILACS, RHODODENDRONS, PEONIES, CLEMATIS, MAGNOLIAS, ETC. : : : : :

Prices reasonable. Wholesale Catalog free for the asking.

W. van KLEEF & SONS, - Boskoop, Holland.

Decorative Plants

Bay Trees and Box Trees

Extra Fine Stock, and Big Bargains at the Prices Quoted.

BOXWOODS

Square Trim.		Each
20 in. high, 15 in. diam.		\$2.50
Globe Shaped.		
15-18 in. top, 15-18 in. high		\$4.00
Standard.		
12 in. crown		\$1.50
15-18 " "		2.50
18-21 " "		3.00
21-24 " "		4.00
24-27 " "		6.00
32-34 " "	3-4 ft. stem	9.00
36-38 " "	18-24 in.	9.00
40-42 " "	18-24 " "	10.00

EUONYMUS VARIEGATED.

Silver and Golden, 2½ in. 50c per doz.



Boston Ferns

	Each	Doz.
5 in.	\$0.25	\$3.00
6 in.	.50	6.00
7 in.	.75	9.00
8 in.	1.00	12.00
9 in.	1.50	18.00
Upwards	\$2.00 to \$2.50 each and up	

ROOSEVELT FERNS.

6 in.	50c each
7 in.	75c each

Araucaria Excelsa.

4 in., 2 to 3 tiers	\$0.50	\$6.00
7 in., 4 to 5 tiers	1.50	18.00

Assorted Ferns for Dishes,

\$3.00 per 100.

Ficus Repens (Climbing).

2½ in.	Each	Doz.
--------	------	------

Ficus Elastica.

5 in.	\$0.35	\$4.20
6 in.	0.50	6.00
7 in. branching	\$0.75 and 1.00	

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2 in. 4	8 in.	\$1.50	\$12.00
3 in. 4 to 5	8 to 10 in.	2.00	15.00
4 in. 4	12 in.	3.60	30.00
4 in. 4 to 5	12 to 15 in.	4.50	35.00
5 in. 5 to 6	15 to 18 in.	6.00	50.00
		Each	Per doz.
5 in. 5 to 6	18 to 20 in.	\$0.75	\$ 9.00
6 in. 6 to 7	20 to 22 in.	1.00	12.00
6 in. 6 to 7	22 to 24 in.	1.50	18.00
7 in. 6 to 7	24 to 26 in.	1.75	21.00
7 in. 6 to 7	26 to 28 in.	2.00	24.00
7 in. 6 to 7	28 to 30 in.	2.50	30.00
8 in. 7 to 8	40 to 45 in.	5.50	
9 in. 7 to 8	48 to 50 in.	8.00	
9 in. 7 to 8	50 to 54 in.	10.00	

Made-up.

7 in., 3 in a pot, 28 to 30 inches high, each \$2.50

PHOENIX CANARIENSIS.

	Each
7-inch pots, 40 to 44 in. high	\$ 2.50
8-inch pots, 46 to 50 in. high	4.00
9-inch pots, 50 to 54 in. high	8.00
10-inch pots, 60 to 64 in. high	10.00

PHOENIX RECLINATA.

	Each	Doz.	Per 100
4 in.		\$3.00	\$20.00
5 in.		5.00	40.00
6 in.		\$0.75	9.00
7 in. pots, 24 inches high, 3 in a pot, each		\$1.50	

PHOENIX ROEBELENI.

2½ in.	\$ 2.00	\$15.00
6 in.	12.00	
6 in. strong	18.00	
7 in.	each \$4.00	
8 in.	each 5.00	

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2 in. 4	8 to 10 in.	\$1.50	\$12.00
3 in. 4 to 5	12 to 14 in.	2.00	15.00
4 in. 4 to 5	14 to 16 in.	4.50	35.00
5 in. 5 to 6	16 to 18 in.	6.00	50.00
		Each	Per doz.
5 in. 5 to 6	20 to 24 in.	\$0.75	\$ 9.00
6 in. 5 to 6	24 to 30 in.	1.00	12.00
6 in. 5 to 6	30 to 36 in.	1.50	
7 in. 5 to 6	36 to 38 in.	2.50	
7 in. strong	36 to 40 in.	3.00	
8 in. 5 to 6	40 to 44 in.	5.00	
8 in. 6 to 7	46 to 50 in.	7.00	
9 in. 6 to 7	60 in.	8.00	

Made-up.

7 in., 3 to 4 in a pot, 24 to 30 inches high	\$ 2.50
9 in., 3 to 5 " "	5.00
10 in., 4 to 5 " "	5.00
12 in., 4 " "	15.00

Cocos Weddelliana.

2 in.	Doz.	Per 100
	\$1.75	\$14.00

Latania Borbonica.

4 in.	Doz.	Per 100
	\$3.00	\$20.00
5 in.	5.00	
6 in.	9.00	

Areca Lutescens.

3 n., 3 plants to pot	Doz.	Per 100
	\$2.00	\$15.00
4 n., 3 plants in pot	3.00	25.00
6 in.	Each, 1.50	

BAY TREES

Standard.

	Each
1-2 ft. stem, 18-20 in. crown	\$ 4.00
3 " " 24 " "	6.00
3½ " " 26 " "	7.00
4 " " 28 " "	8.00
4 " " 30 " "	12.00
4 " " 48 " "	20.00

Aspidistras.

Variegated	Per Leaf	.15
------------	----------	-----



Dracaena Indivisa.

The best plant for the center of cemetery vases:
2½ in. \$2.50 per 100
5 in. \$3.00 per doz.
6 in. \$0.50 each, \$6.00 per doz.
8 in., beautiful specimens, 3 ft. high, \$1.50 each

Cyperus Alternifolius.

	Doz.	Per 100
3 in.	\$0.75	\$ 5.00
4 in.	1.50	10.00
Cycas Revoluta	50c, 75c, \$1.00, \$1.50, and \$2.00 each.	

Pandanus Veitchii.

	Each	Doz.	Each	Doz.
4 in.	\$0.50	\$5.50	6 in.	\$1.00
5 in.	.75	9.00		\$12.00

Pandanus Utilis.

3 in.	Doz.	\$1.50
-------	------	--------

Asparagus Plumosus.

2 in.	\$3.00 per 100
3 in.	6.00 per 100
4 in.	Doz. \$1.50

The Geo. Wittbold Co.

737 Buckingham Place,

Phone: 1112.
Graceland 1112.

CHICAGO

A. N. Pierson, Inc.

Wholesale Florists

CROMWELL, - CONN.

Field Grown Carnation Plants.

Harlowa den, Lady Bountiful, Sangamo, Windsor, \$45.00 per 1000.

Enchantress, White Enchantress, Mrs. Ward, Dorothy Gordon, White Wonder, \$50.00 per 1000.

O. P. Bassett, and Beacon, \$50.00 per 1000.

One Thousand Lady Campbell Violet Plants, \$6.00 per 100 or \$50.00 per 1000.

ELI CROSS, - Grand Rapids, Mich.

FERNS.

Boston, Whitman and Scholze

from bench, 10 and 15 cents, now

ready for 5 and 6 inch pots. 5 and

6 inch Boston and Scholze grown

in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Index to Advertisers.

Addams Morgan & Co.	552	Frankenbach Chas E & Sons	556
Advance Co The	572	Franzen F O	552
Alpha Floral Co	545	Freeman Mrs J B	548
American Spaw Co	558	Freeman & Sons	572
American Wooden Ware Mfg Co	111	Friedel E	544
Ambling E C Co	539	Froment H E	543
Anderson S A	545	Galvin Thos F	547
Andorra Nurseries	556	Garland G M	562
Angermueller G H	540	Gasser J M Co	547
Aphine Mfg Co	531	Geny Bros	548
Aschmann Godfrey	556	Giblin & Co	571
Atlanta Floral Co	548	Gillies Litho & Print Co	560
Bader Jno & Co	554	Good & Reese Co	I
Badgley Reidel & Meyer, Inc	543	Gorham & Chapline	570
Barrows H H & Son	552	Grand Rapids Flower Co	547
Barteldes Seed Co	541	Growers Cut Flower Co	543
Bassett & Washburn	532	Gude Bros	546
Bayersdorfer H	569	Gunter Bros	543
Beaven E A	544	Habermann Chas	548
Berning H G	540	Hatcher, Florist	548
Berterman Bros Co	546	Haven Seed Co The	551
Bide & Sons S	556	Heacock Jos Co	549
Black Chas	552	Heini John & Son	545
Bobbink & Atkins	560	Henderson A & Co	556
Boddington A T	553	Herr Albert M	549
Bodger J & Sons Co	551	Herrmann A	571
Boland J B Co	545	Hess & Swoboda	548
Boligiano J & Sons	551	Hesse & Co	551
Bowe M A	547	Hews A H & Co	111
Braslan Seed Grow Co	550	Hilfinger Bros	111
Brecht Co The	IV	Hines E Lumber Co	568
Breitmeier's J Sons	546	Hitchings & Co	566
Brown Alfred J Seed Co	550	Hoerber Bros	539
Brown Bag Filling Machine Co	551	Hoffman Flo Artist	547
Bruns H N	11	Hoffmeister Flo Co	541
Buckbee H W	548	Holm & Olson	546
Budlong J A	533	Holton & Hunkel Co	540
Burnett Bros	11	Home Cor School	555
Burpee W A & Co	11	Hooker H M Co	568
Byer Bros	554	Hunt E H	539
Caldwell the Woodsman Co	544	Hurff Edgar F	11
Camp Conduit Co	570	Igoe Bros	572
Chicago Carn Co	I	Illinois Pipe Mfg Co	567
Chicago Flower Growers Assn	537	International Heater Co	571
Chicago House Wrecking Co	572	Interstate Tob Co	570
Clark E B Seed Co	551	Isbell S M & Co	11
Clark's Sons David	547	Jackson & Perkins	559
Cleveland Cut Flower Co	547	Jacobs S & Sons	568
Conard & Jones	559	Johnson J Oliver	551
Cooke Geo H	545	Johnson WW & Son	11
Cotsonas Geo & Co	544	Jones Percy	532
Cowee W J	571	Kasting W F Co	541
Coy H C Seed Co	552	Keller Geo & Sons	111
Craig Robt Co	557	Keller J B & Sons	548
Critchell C E	541	Kelloge Geo M	545
Cross Eli	561	Kennicott Bros	538
Crump Frank F	546	Kentucky Tobacco Product Co	570
Cunningham Jos H	554	Kervan Co The	543
Daniels & Fisher	547	Kessler W A	543
Dards Chas	546	Kift Robt	547
Davy	558	King Construct Co	568
Deamud J B Co	538	Kohr A F	111
DesPlaines Flor Co	549	Kramer I N & Son	111
Detroit Flower Pot Mfg	111	Kroeschell Bros Co	569
Dietsch A & Co	IV	Kruchten John	536
Diller Caskey & Keen	569	Kuehn C A	540
Dillon J L	559	Kuhl Geo A	554
Dingee & Conard Co	557	Kyle & Foerster	539
Dorner F & Sons	554	Lacrosse Floral Co	548
Dreer H A	111	Lager & Hurrell	1
Duerr Chas A	548	Lange A	545
Dunlop John H	547	Landreth Seed Co	551
Dwelle-Kaiser Co The	568	Lecakes N L & Co	543
Eagle Machine Wks	567	Lederer John	571
Edwards Folding Box	562	Leedle Floral Co	559
Elliott W H	541	Lelache Emil	541
Emmans Geo M	554	Leonard Seed Co	551
Erie Floral Co	I	Lochner & Co	551
Erne & Klingel	538	Lord & Burnham Co	569
Esperance L Nurs	556	McCallum Co	541
Eyres H G	547	McConnell Alex	545
Fish Henry Seed Co	551	McCoy L W	548
Florists' Hail Assn	570	McCullough's J M Sons Co	541
Florists Tel Delvy	546	McHutchinson & Co	551
Foley Mfg Co	IV	McKellar Chas W	537
Ford M C	543	McKenna P & Son	547
Fottler, Fiske, Rawson Co	11	Mangel	545

Michigan Cut Flo Exchange	544	Schiller, the Florist	548
Miller E S	556	Schillo Adam	571
Moninger J C Co	572	Schlatter W & Son	562
Moore, Hentz & Nash	543	Schling Max	548
Morehead Mfg Co	571	Schmidt J C	552
Mt Gilead Pottery Co	111	Schultz Jacob	546
Munk Floral Co	540	Scott John	554
Murray Samuel	546	Seattle Cut Flo Ex	540
Myers Florist	548	Shaffer Geo C	547
Nat Flo B of Trade	562	Sheridan W F	543
N Y Cut Flower Ex	543	Situation & Wants	529
Niessen Leo Co	541	Skidelsky S S & Co	552
Oechslein Frank	554	Smith A W & Co	547
Oklahoma Seed Gro Co	551	Smith E D & Co	570
Palmer W J & Son	546	Smith & Hemenway	567
Park Floral Co	546	Smith Henry	547
Peacock Dahlia Fms	559	Smith P J	543
Pedrick Geo & Son	551	Smith Wm C	540
Pennock-Meehan Co	543	Smith W & T Co	I
Penn the Florist	546	Standard Pump & Engine Co	567
Peters & Reed Poty	111	Stearns Lumber Co	548
Pierce F O Co	571	Stoorhoff H A Co	570
Pierson A N (Inc)	561	Storrs & Harrison	560
Pierson F R Co	559	Sunlight Dble Glass Sash Co	567
Pillsbury I L	562	Superior Machine & Boiler Works	572
Pieters & Wheeler Seed Co	550	Syracuse Pottery Co	111
Pinkston Jas E	544	Taylor Steam Trap Co	571
Pittsburg Cut Flo Co	544	Texas Seed & Flower Co	545
Podesta & Baldocchi	547	Thomson W & Sons	570
Poehlmann Bros Co	533	Thompson Car Co	554
Pollworth CCCo	540	Thorburn J M & Co	11
Pulverized Manure Co	570	Tong & Weeks	561
Quaker City Machine Works	562	Totty Chas H	541
Raedlein Basket Co	536	Trendly & Schenck	543
Ramsburg	552	Trimble W E	539
Randall A L Co	539	Greenhouse Co	539
Rawlings Elmer	558	Valentine Frank	545
Ready Reference	563	Vankleef W & Sons	560
Randolph & Clements	569	Vaughan A L & Co	536
Reed & Keller	568	Vaughan's Seed Store	I 111 545 549 552 557 558 569
Regan Ptg House	111	Vests	543
Reinberg Geo	549	Vick's Sons Jas	551
Reinberg Peter	535	Vincent R Jr	1
Rice Bros	540	Virgin N J	548
Robinson J C Seed Co	551	Walker F A & Co	548
Rock W L Co	546	Wagner Park Cons	111 556
Rohnert Seed Co	11	Ward & Co R M	11
Routahn Seed Co	551	Weber F H	548
Rusch G & Co	540	Weeber & Don	552
Saakes O C	547	Weiland & Risch	539
Sabrinsky Jno F	554	Welch Bros	541
Salford Flowr Shop	548	Wertheimer Bros	11
Scheel F F	549	Western Seed & Irrigation Co	552

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK
Mention the American Florist when writing



Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898. 2000 for \$1.00 postpaid.

I. L. PILLSBURY, Galesburg, Ill.

Mention the American Florist when writing



BEFORE

422 Main St., Springfield, Mass.



AFTER

Mention the American Florist when writing



Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalogue
Quaker City Machine Works, Richmond, Ind



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98
GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St. BROOKLYN, N. Y.

M. WINANDY CO., Mfgs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

"FATHER TIME" DOES NOT WAIT

You have but two weeks in which to grasp the opportunity which Garland has offered you. You undoubtedly will not get another such opportunity. Write today. Do it now.

GEO. M. GARLAND CO.

DES PLAINES : : : : ILLINOIS

Ready Reference Section.

10 CENTS PER LINE, NET.



AQUATICS.

DISCOUNT TO CLEAN POOL, DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00—100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100; 250 for \$18.75. Plumous seedlings per 100, \$1; per 1,000, \$8; 2-in., per 100 \$3; per 1,000, \$25. Sprenger seedlings per 100, 85c; per 1,000, \$6. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 3-in., \$3 per 100; \$25 per 1,000. Sprenger, 3-in., \$3 per 100; \$25 per 1,000. One-year-old *A. plumosus*, \$2 per 100; \$18 per 1,000. Strong 2-in. Smilax, \$2 per 100; \$18 per 1,000. George Reinberg, 162 N. Wabash Ave., Chicago.

Asparagus Sprenger, 4-in., strong plants, \$7 per 100; \$55 per 1,000. Cash. C. L. Humphrey, Zanesville, O.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100. Plumous, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumous seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Sprenger, 2-in., \$2.50 per 100. *Asparagus plumosus*, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$8 per 100; 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, from \$1 to \$3 per 100. Geo. R. Hart, Rochester, N. Y.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azalea indica, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas, McHutchison & Co., New York.

Azaleas, W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS.

McHenry Ave., Westwood, Cincinnati, O.

Begonia Gloire de Lorraine and *Lonsdale*, 4-in., 30c to 35c. *Gloire of Cincinnati*, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, \$12 per 100; \$50 per 500. Julius Roehrs Co., Rutherford, N. J.

Begonia Lorraine, 4-in., \$5 per doz. Vaughan's Seed Store, Chicago.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Horseshoe Brand *Lilium Harrisii*. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Purity freesias, Roman hyacinths, Paper White narcissus, Harrisii, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs. W. E. Marshall & Co., 166 W. 23d St., New York.

Bulbs, Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. McHutchison & Co., New York.

CANNAS.

THE IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

Cannas, \$15 per 1,000 up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress	\$7.00	\$60.00
White Enchantress	8.00	75.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection	8.00	70.00
Dorothy Gordon	7.00	65.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowarden	6.00	55.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Pink Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Boston Market, nice	\$4.00	\$35.00
White Perfection, medium	5.00	45.00
White Enchantress, nice	5.50	50.00
Rose Pink Enchantress	5.50	50.00
Variegated Lawson	4.50	40.00
Mrs. E. A. Nelson	4.50	40.00
W. H. Taft	4.50	40.00

This stock is ready for immediate shipment.

Cash with order, please.

JOS. SCHOOLS,

514 Asbury Ave., Evanston, Ill.

CARNATIONS, FIELD GROWN.

	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.

J. D. THOMPSON CARNATION CO.,

JOLIET, ILL.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1,000		
Conquest, beautiful flesh pink, overlaid with cerise, very free		
Bloomer	\$7.00	\$60.00
May Day, deep flesh pink	6.00	50.00
X-mas Cheer	6.00	50.00

CHICAGO CARNATION CO., Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1,000		
Beacon	\$6.00	\$55.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	55.00
Enchantress	6.00	50.00

JOHN BLECHSCHMID, Cleveland, O.

FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1,000		
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL, Shermerville, Ill.

FIELD-GROWN CARNATIONS—Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. 20,000 Enchantress, \$5 per 100; \$45 per 1,000. 3,000 Vesper, \$4 per 100; \$35 per 1,000. 3,000 Queen Louise, \$1 per 100; \$35 per 1,000. Cash with order unless your name is on our books. VIRGINIA NURSERY CO., Purcellville, Va.

FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1,000		
Enchantress	\$6.00	\$55.00
Winsor	5.00	45.00
Lawson	5.00	45.00
Lady Bountiful	5.00	45.00

Very fine stock. Plants run from 15 to 20 shoots. UNITED STATES CUT FLOWER CO., ELmira, N. Y.

LARGE HEALTHY CARNATION PLANTS.

\$5.00 per 100. \$45.00 per 1,000. White Perfection, Enchantress and Rose Pink Enchantress, \$3.50 per 100 if called for at our place.

EMIL BLAMEUSER, MILES CENTER, Ill.

Carnations, field-grown, strong, healthy, fibrous roots, from sandy loam, 2,000 Rose Pink, 750 Pink Enchantress, 900 White Enchantress, 600 Winsor, \$6 per 100; \$50 per 1,000. Cash with order. J. C. Renssion Co., Sioux City, Iowa.

Carnations, field-grown, 3,200 Winsor, 3,000 White Enchantress, 500 Rose pink, 400 pink, 325 White Perfection, 500 White Lawson, \$4 per 100; \$35 per 1,000. Addams, Morgan & Co., Paxton, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, 3,000 Victory, red; \$7 per 100; \$60 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

LAST CALL FOR CARNATIONS, field-grown plants, A No. 1 stock. Pink Enchantress, \$40 per 1,000. White Perfection, Winsor, \$35 per 1,000. Victory, medium sized plants, \$30 per 1,000. 100 at 1,000 rates. Cash with order. Write for prices on large lots. NORTHWESTERN FLORAL CO., Gross Point, Ill.

Carnations, 2,500 White Perfection, 1,000 Light Pink Enchantress, 600 Victory, 400 Bassett, 300 Mrs. C. W. Ward, 300 Scarlet Glow, 100 Beacon, \$6 per 100; \$50 per 1,000. 900 Pink Delight, \$7 per 100. Cash, please. Harry Heini, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Very choice field-grown Carnations. Enchantress, White Perfection, Georgia, White, R. P. Enchantress, \$4.50 per 100; \$40 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Carnations, Harlowarden, Lady Bountiful, Sangamo, Winsor, \$45 per 1,000. Enchantress, W. Enchantress, Mrs. Ward, Dorothy Gordon, White Wonder, \$60 per 1,000. O. P. Bassett, Beacon, \$50 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Field-grown Carnation plants, 4,000 Alma Ward and C. W. Ward mixed at \$50 per 1,000. Cash with order. Campbell the Florist, Chilli Ave., and Thurston road, Rochester, N. Y.

Carnations, R. P. Enchantress, Enchantress, Victory, \$6 per 100; \$55 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. Jno. F. Sabransky, Kenton, O.

Field-grown carnation plants, 555 Sangamo, 50 Lady Bountiful, \$5 per 100. Good healthy plants. Cash, please. Edgar Easteay, Nokomis, Ill.

Carnations, 1,200 fine large perfectly clean Perfection plants, 6c each. Cash with order. N. Zweifel, North Milwaukee, Wls.

Good strong, healthy, field-grown White Enchantress Carnation plants, \$6 per 100; \$50 per 1,000. Otto J. Hembreiker, Lincoln, Ill.

1,500 Thos. W. Lawson, 1,500 Winsor, 1st size plants, \$4 per 100. J. S. Wilson Floral Co., Des Moines, Iowa.

Carnations, Enchantress, Alma Ward and Dorothy Gordon, fine plants, \$6 per 100. C. C. Pollworth Co., Milwaukee, Wls.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, bush-shaped plants, 6, 7, 8 and 10-in. Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyperus alternifolius, 3½-in., \$8 per 100. A. L. Miller, Brooklyn, N. Y.

DAHLIAS.

Dahlias, whole field clumps, \$5 per 100; \$40 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

DEUTZIAS.

Deutzia gracilis, \$15 per 100. A. L. Miller, Brooklyn, N. Y.

DRACAENAS.

Dracena terminalis, finely colored, perfect plants, 7-in. pots, 30 inches high, \$1.50 each. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Dracena indivisa, fine, well shaped, 6-in., 20c each. Cash. J. C. Renssion Co., Sioux City, Iowa.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

Dracena indivisa, 5-in., \$25 per 100. A. L. Miller, Brooklyn, N. Y.

FERNS.

NEPHROLEPIS HARRISII.

Strong 2½-inch \$ 8.00 per 100
4-inch 20.00 per 100
6-inch 50.00 per 100

Surplus stock. Good value.

J. A. PETERSON & SONS, Westwood, Cincinnati, Ohio.

Ferns, Whitman, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scott, 4-in., 20c; 5-in., 35c; 5½ and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholzell, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, from bench, Boston, Whitman, Elegantissima, 4-in., 10c; 5-in., 12c; Scholzell, Amerpohl, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

2,000 Boston ferns, 4-in., good strong plants, 100 Whitman, 4-in., extra strong, will make close price for cash as I need the room. Write for prices. Leo Wellenreiter, Danvers, Ill.

Ferns, Boston, Whitman, Scholzell; from bench, 10c and 15c; 5 and 6-in., Boston and Scholzell, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Cibotium Scheidel, 6-in., 10 to 12-in. fronds. 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

BOSTON FERNS, 4-in., 15c; 5-in., 25c; and 6-in., 40c. Excellent stock. EDW. DOEGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000, 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Boston ferns, 2½-in., per 100, \$5. Small ferns, 10 varieties, 2½-in., our selection of vars., per 100, \$3.50; per 1,000, \$32.50. Vaughan's Seed Store, Chicago and New York.

Nephrolepis Amerpohl, 4½-in., \$12 per 100. Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus repens, 2½-in., 50c each. Elastic, 5-in., 35c each; \$4.20 per doz.; 6-in., 60c each; \$6 per doz.; 7-in. branching, 75c and \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, Belgium or American stock, 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

"COLORADO GROWN PLANTS BEAT THEM ALL."

100,000 GERANIUMS. Rooted Cuttings, of the best varieties, and finest stock, including Ricard, S. A. Nutt, Vland, Sam Sloan, Poitevine, Jaulin, Mary Elitch Long, Perillon, Single and Double White, etc., etc., at \$12.50 per 1,000. Cash or satisfactory reference. Elitch-Long Greenhouses, Denver, Colo.

Geraniums, Nutt, Buchner, Vland, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, unrooted top cuttings, S. H. Nutt, 75c per 100; \$6.50 per 1,000. Otto J. Hembreiker, Lincoln, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Vland, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, R. C. S. A. Nutt, \$12.50 per 1,000. Ricard and Poitevine, \$15. A. M. Herr, Lancaster, Pa.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Longgap, N. C.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Perennials. For varieties and prices see advertisement elsewhere in this issue. Otto Wittbold Nursery, Edgebrook, Chicago, Ill.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hollyhocks, 50c per 100; \$1 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 4-in. pot-grown, ready for 6-in., 3 to 6 shoots, \$8 per 100. Hydrangea Otaksa, field-grown, 3 to 6 shoots, very strong plants, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100. A. L. Miller, Brooklyn, N. Y.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

IVY.

Ivy, field-grown, \$60 per 1,000. A. L. Miller, Brooklyn, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 8c cash. J. C. Kennison Co., Sioux City, Iowa.

Jerusalem Cherries, fine strong plants, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, Berlin and Hamburg grades. McHutchison & Co., New York.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

From Storage.

Lily of the valley from cold storage, Brun's Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$18 per 1,000. H. N. Bru's, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spaw., new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spaw., Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, Rose of Sharon, Deutzia Pride of Rochester, forsythia, Spiraea Anthony Waterer; Weigela, three varieties, 25c each. Keria Japonica, 15c each. Chas. E. Frankenbach & Sons, Southampton, N. Y.

Nursery stock, trees and shrubs, roses, lilacs, rhododendrons, peonies, clematis, magnolias, etc. W. Van Kleef & Sons, Booskoop, Holland.

Arbor-Vita, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks, English manetti; Japan lilies, raffia. McHutchison & Co., New York.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchi. Vaughan's Seed Store, Chicago and New York.

PALMS.

A houseful of Cocos Weddelliana, 2 to 2½ ft., extra strong, 4½-in. pots, 50c each. 20 to 24 ins., fine plants, 4-in. pots, 35c each; 15 to 18 ins., 6 to 7 leaves, 3½ inch pots. 25c each. Large bushy plants, 4 in a pot, 2 to 2½ ft., 24 leaves, \$1.50 each. Large bushy plants 2 in a pot, 20 to 22 ins., 60c each. Siebrecht & Son, New Rochelle, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms, Kentias, latanias, Phoenix Roebeleni. Vaughan's Seed Store, Chicago and New York.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.**DIFFERENT PANSIES AND WHY.**

MASTODON is our name for a genuine American strain of pansies originated by us, and comprising a marvelous number of new shades and varieties, as well as many improved types from other lands. All are of excellent form, of the richest colors, and of great size—up to 3½ inches in diameter. Free color plate catalog. Plants: 100, 50c; 1,000, \$3; 5,000, \$12.50. All prepaid. Perfect order delivery guaranteed in U. S. and Canada. Seed: 1/12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, best German strain, separate varieties, \$2.50 per 1,000. O. K. Heege, Station S., Seattle, Wash.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoise, Mo.

Peonies, good divisions of special colors and mixed, 5c each. The Mosbæk Greenhouse Co., Onarga, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover pages. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 2-in., \$2 per 100; 3-in., \$4 per 100. New Cluster pepper, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., \$5 per 100; \$40 per 1,000. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

1,000 Primula Malacoides out of 3½, ready for shift, at \$5 per 100; \$50 for the lot, cash. These are fancy plants grown for our use but are crowded out by our Silver Pink Snapdragon. G. S. Ramsburg, Somersworth, N. H.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Malacoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Primula obconica grandi, 4-in., \$10 per 100. Chinensis, Rupp strain, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Baby primroses, 2½-in., \$2.25 per 100; \$20 per 1,000. Fine plants from flats, \$1.75 per 100; \$15 per 1,000. Cash please. Manheim Carnation Co., Manheim, Pa.

Primroses, Chinese, Forbesi, Malacoides, Obconica alba, rosea, Kermesina, \$1.50 per 100; \$15 per 1,000. Gigantea, 2½-in., \$2 per 100. Jos. H. Cunningham, Delaware, O.

Primula Malacoides, 2½-in., per doz., 75c; per 100, \$4. Vaughan's Seed Store, Chicago and New York.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primulas, \$1.50 per 100, 2-in., all kinds. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Rose Erna Teschendorf, 2½-in., 20c each; \$2 per doz.; \$15 per 100; 3½-in., 30c each; \$3 per doz.; \$20 per 100; 4-in., 35c each; \$3.50 per doz.; \$25 per 100; 2-yr. dormant budded, 50c each; \$5 per doz.; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, grafted White Killarney, 3½ and 4-in., \$10 per 100. Bassett & Washburn, 131 N. Wash Ave., Chicago.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers, Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in., Maryland, Pink and White Killarney, Carnot, \$4 per 100; \$35 per 1,000. Erie Floral Co., Erie, Pa.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

SEEDS.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.	\$2.50	\$0.50
" Gracillius luminosa, finest red.	2.50	.50
" Triumph, finest white.	2.50	.50

O. V. Zangen. Hoboken, N. J.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, strong plants, 2½-in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, good shades, giant pink, white, red and yellow, 2½-in., \$2 per 100; \$18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, strong divisions, or whole clumps. Ready for prompt shipment. If interested write. The Mosback Greenhouse Co., Onarga, Ill.

VINCAS.

Variegated Vinca vines, strong field-grown plants, \$6 per 100; \$50 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Gov. Herrick Violet plants, extra strong field-grown, big fibrous roots, from sandy loam, \$6 per 100; \$50 per 1,000. Cash with order. J. C. Rennison Co., Sioux City, Iowa.

Violets, field-grown, California, \$1 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

California, Gov. Herrick and Dorset, field-grown plants, \$4.50 per 100. Cash with order. W. F. Dumtman, Bensenville, Ill.

Violets, Gov. Herrick, fieldgrown, \$3 per 100. Byer Bros., Chambersburg, Pa.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilizer. 10 lbs., \$3; 25 lbs., \$8; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.80; 15 lbs., \$5. Randolph & McClements, 5938 Penn Ave., near Highland, East End, Pittsburg, Pa.

Martin Anti-Friction Grates. Write for particulars. Martin Grate Co., Fisher Bldg., Chicago.

Toledo tubs, all sizes. The American Wood-
en-Ware Mfg. Co., Toledo, O.

Florists' Supplies. Barteldes Seed Co., Dept. A, Oklahoma City, Okla.

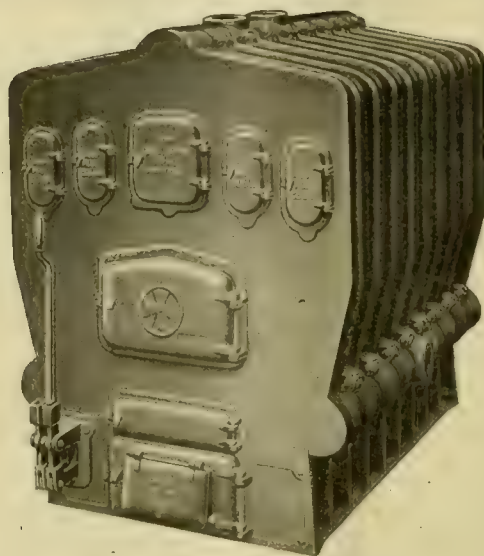
Morehead Steam Traps. Morehead Mfg. Co., Detroit, Mich.

Baskets, new imported stock. Ruedlein Basket Co., 713 Milwaukee Ave., Chicago.

Ribbons and chiffons. Werthelmer Bros., 505 Broadway, New York.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.



Saw It—Then Bought It.

ONE morning this summer, a perfect stranger walked into our office, and told us he had come all the way from Norfolk, Virginia, to see if the Hitchings New Model Sectional boiler was the superior boiler we claimed it to be.

He also wanted to see how we made them, and the kind of iron from which they are made.

Before leaving, he gave us an order for the largest size we make—a big 36.

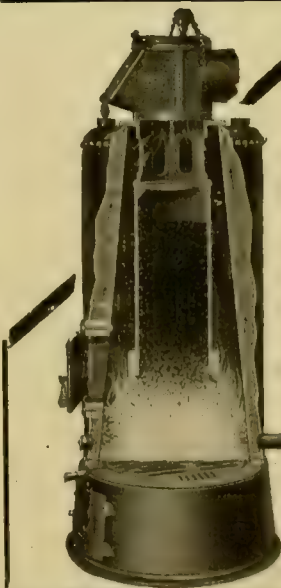
If you are another one who wants to see one of our boilers before buying, and can't take the time to come to our factory, then let us send you the name of the nearest grower who has one.

You can then not only see it, but get his opinion of just how good a greenhouse boiler it really is.

Write us.

Hitchings & Co.,

Elizabeth, NEW JERSEY.



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them. Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

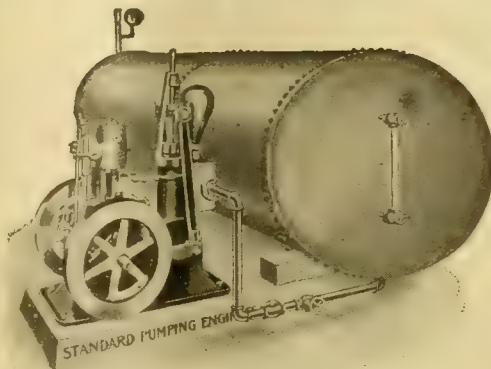
First Cost Means Only Cost, When You Buy the Standard Water System

The simplicity of the "Standard" design enables us to guarantee you absolute satisfaction; this means perfect, strong construction and abundant power combined with ease of operation and maintenance. This is why first cost means only cost. When your engine is installed, we guarantee it to be in perfect running order. Our expert mechanics have turned out a product that will stand long continued periods of service without a breakdown.

Our experts are at your service to solve your water supply problem. Write us fully concerning your needs. Our new catalog No. 12 is now ready for distribution. You will appreciate it.

THE STANDARD PUMP AND ENGINE CO.

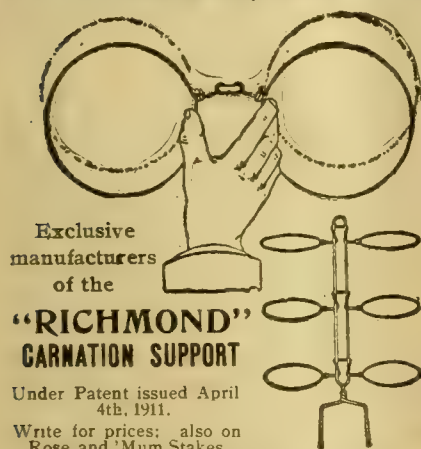
18 Michigan St., Cleveland, Ohio.



The Standard Suction Lift Pump and Tank for Pneumatic Water System made in all sizes.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive manufacturers of the

"RICHMOND" CARNATION SUPPORT

Under Patent issued April 4th, 1911.

Write for prices; also on Rose and 'Mum Stakes.

Mention the American Florist when writing



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO



Two layers of glass instead of one

You never cover Sunlight Double Glass Sash

You do away with heavy, expensive mats and boards, and your plants get all the light all the time.

The dry air between the two layers of glass takes the place of mats and boards

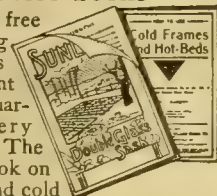
It is $\frac{3}{8}$ inch thick and is a better non-conductor. The glass is held in place without putty—can't slip out—easily replaced.

Crops on the market weeks ahead

Under Sunlight Double Glass Sash your plants are earlier and sturdier and you can have bigger, better crops on the market weeks ahead while the prices are still high. In many cases the extra profit on one crop has paid for the sash themselves.

Send for these books

One is our free catalog, giving all the details of our freight prepaid and guarantee delivery propositions. The other is a book on hot-beds and cold frames by Professor Massey. It is authoritative and full of vital interest to all growers, gardeners and florists. 4c in stamps will bring Professor Massey's book in addition to the free catalog.



Sunlight Double Glass Sash Co.

for Hot-beds and Cold-frames, 934 E. Broadway, Louisville, Ky.

A "RED DEVIL" PLIER, ESPECIALLY FOR YOU.



"Red Devil" No. 622

A little 4 inch drop forged steel tool that is far superior to a shears for cutting bouquet wires or any fine wire. It is tested to cut the finest silk insulation and is a plier you will appreciate. It's just one "Red Devil" tool you should have. Ask your hardware man for "Red Devil" No. 622, 4 inch. He has or will get it for you. If not send us his name and fifty cents and one only sample pair will be sent you postpaid.

Smith & Hemenway Co., 125 Chambers St., New York, U. S. A.

(We make "Red Devil" Glass Cutters. The kind you want.)

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

GREENHOUSES:
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.
The J. L. Stearns Lumber Co.,
NEWBURY, BOSTON, MASS.

Mention the American Florist when writing

Now is the Time

To Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest
Brightest and Best British Trade
Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual sub-
scription for weekly and quarterly
numbers, One Dollar. (Interna-
tional money order). Subscribe
today and keep in touch with
European markets and topics.The Horticultural Printing Company,
BURNLEY, ENGLAND

Pecky Cypress

Cedar Posts, Droppings
and Other Greenhouse
Lumber.We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

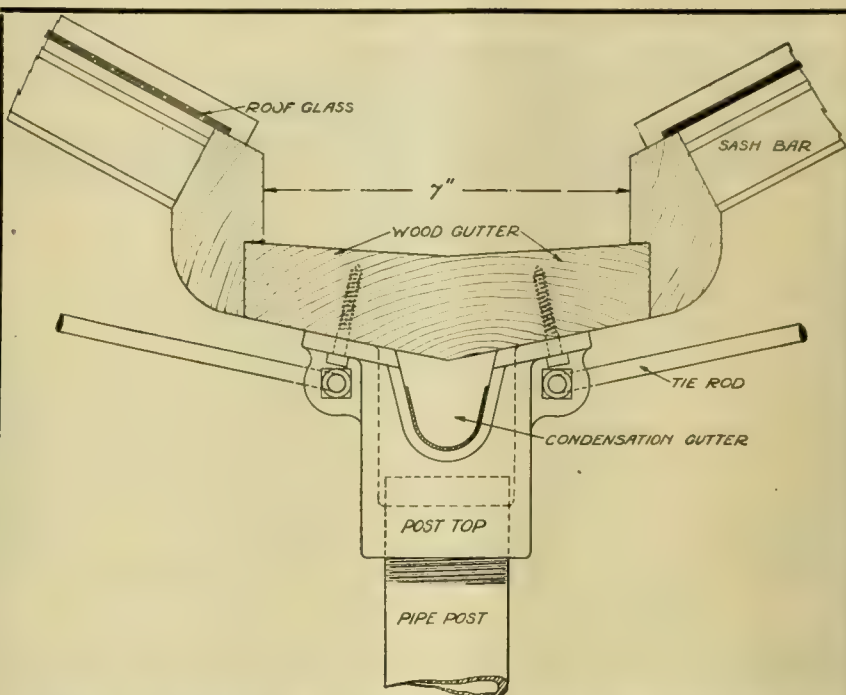
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing



KING GUTTER

MADE OF
WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines
all the good points of other wood gutters, "AND THEN SOME."Note that the condensation and drip run down the side and sloping bottom to a
drip pan placed under the gutter where it makes no shade.We know it will do that, for we have tried it. This gutter lends itself to an outside
wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.
We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
N. TONAWANDA,
N. Y.Boston Office
Winthrop Bldg., 7 Water St.,
Boston, Mass.Eastern Sales Office
1181 Broadway,
New York

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

What the Users say

Kroeschell Boiler Saves 35 Tons Coal

"I bought a No. 7 boiler in 1901. It takes care of 10,500 sq. ft. of glass and could take care of 5000 more. Must state that I am in business for 25 years and have attended to many boilers, but I must say for your Boiler that it has given better satisfaction than any other, being easier to fire up, and it is easier to keep the temperature with your boiler in our houses than it is with any other. I used 35 tons of coal less than I did with boilers I had before. I can keep the temperature to 75 or 80 degrees during the severest weather, if it is necessary to do so."

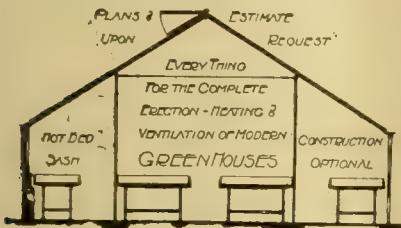
PETER SROCZYNSKI, Chicago, Ill.

Send for
Catalogue

KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO, ILL.

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing. Ave.,
Brooklyn, New York

Dreer's Peerless
Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

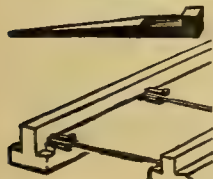
1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

H. BAYERSDORFER & CO.

Florists'
Supplies.

1129 Arch Street, PHILADELPHIA, PA.
Send for our new catalogue.

Siebert's Zinc
Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

Vaughan's
Seed Store,
Chicago New York.

SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists,
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Built L. & B. Houses Because
of Their Reputation.

"I built L. & B. houses because they had a reputation for stability and general satisfactory results. I have not been disappointed. They shed snow and ice. The self-oiling vent. gear makes turning the crank a pleasure. They are rigid in a high wind and never broke a glass. They grew for me, in one year, 1,000 bushels of fine "cukes." I'm satisfied with my investment."

E. C. Hanson

So. Royalston, Mass.

Lord & Burnham Company,

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irrington, N. Y.
Des Plaines, Ill.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.95

Furnishes the
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

PULVERIZED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED OR SHREDDED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag
Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
1397-1399 Ave. A, New York.

Mention the American Florist when writing

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottoms and Sides. Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure



Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenstone, Scotland.

FERTILENE, The Idea Plant Food

Especially prepared for the production of
LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-Five pounds,
\$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

The Early Advertisement
Gets There.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOTHOFF CO., MOUNT VERNON, N. Y.



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

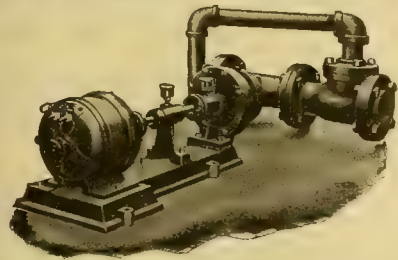
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.

Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc. Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

Peerless Refrigerators

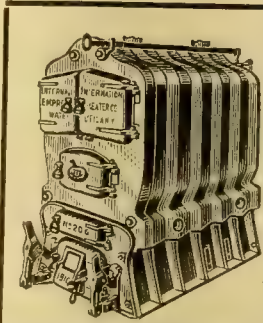
Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing



Describe a First-Class Greenhouse Boiler.

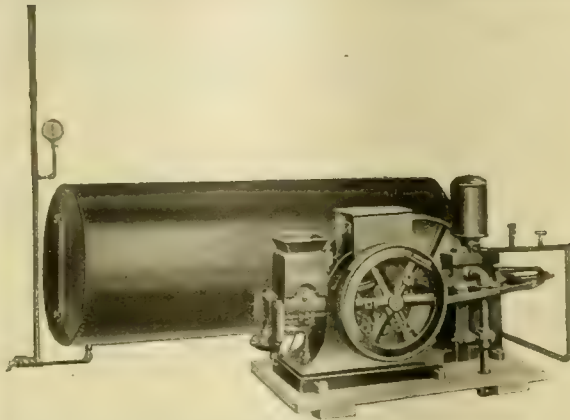
Fuel capacity for the longest winter.

Simple enough to be fool proof and conservatively rated.

That is the **INTERNATIONAL Empress Boiler** to a dot.

If you haven't one already, write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

**SYSTEM No. 6**

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225.00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

John C. Moninger Co.,
902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price\$4.90
4C12003, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

**J. Jaeger, a User, Says This About
a No. 5 Superior Boiler :**

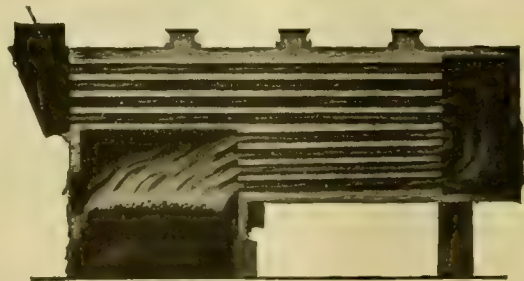
SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:—Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed] J. JAEGER, 7554 Barton St.

CHICAGO, ILL. , March 12, 1912.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA



THE AMERICAN FLORIST



America is "the Frow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, SEPTEMBER 28, 1912.

No. 1269

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico. \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS.—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT.—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Dahlias.

As the cool nights approach it pays to make preparation to cover the best varieties and protect them from the early frosts. Generally the first frosts are followed by two or three weeks of pleasant warm weather, when flowers are more or less scarce, the outside stock being cut down and the greenhouse stock not being yet in full crop, and a supply of dahlias is a great boom at such a time. See that the plants are properly labelled so when it comes to lifting time there will be no mistakes made. A good large label placed beside each root with the correct name is essential in growing this crop. This label can be tied on to the root when the clumps are lifted and all danger of misnaming be obviated. Keep the plants securely tied to the stakes so that the high winds which are prevalent in the fall, cannot break the plants down or the branches off.

Begonia Gloire De Lorraine.

The plants of Begonia Gloire de Lorraine should now be making active growth, the bud shoots starting and the plants taking on shape. The earlier struck cuttings will now be fine plants in five and six-inch pots and will need a center stake to keep them erect. It is yet too early to tie the plants into shape, but if any of the branches are long enough to hang over the edge of the pot, they should receive some support. These branches hanging over the edge of the pot are in the way when watering, and if the leaves get wet, it takes some time for them to dry off and many will become spotted and besides the branches grow crooked and are much harder to tie into place later on when this will have to be done. Keep the plants in a good warm house from this on until the buds begin to show color, when they can be placed in cooler quarters, but do not keep the house too close. Give a little ventilation every day possible. If kept too close and moist some of the foliage will spot and be ruined. Constant light fumigations will be necessary to keep down the

green aphids. These plants do not like heavy fumigation but light fumigation carried on frequently will keep the vermin in check and not damage the plants. These insects must be conquered before the plants begin to bloom or they will cover the young blooming shoots completely.

Cinerarias.

The cinerarias grown from seed sown in May and June will now be fine plants in 4-inch pots with good strong foliage. Later sowings will be in smaller pots according to the date at which they were started. If there is a demand for small plants in early spring in four or five-inch pots it is not too late to sow the seed but such plants seldom bring more than 25 or 35 cents each and it hardly pays to carry a plant through the winter and sell it at that price. Give the plants in potting a rich friable soil with a good proportion of fiber for the last potting. Keep the plants in a cool temperature in good sunlight, well spaced apart, that they may be good and stocky. Never let up in fumigating these plants. Some growers buy tobacco stems and cover the bench with them, placing the plants upon the stems, and these are renewed as fast as the strength is spent. If the aphids gets a good foothold on the under side of the rough leaves they are exceedingly difficult to dislodge.

Violets.

The single violets should be planted in the houses now as soon as the beds are ready. In lifting the plants in the field try to get a good ball of earth with the roots and avoid as much as possible the roots becoming dry. These roots are very soft and succulent and if they become too dry new roots will have to form and it will take some time for the plants to become established in their new quarters. The better way is not to try to handle too many plants at a time, but to lift a few and plant them out at once. When the plants are lifted all the runners should be removed and the plants as soon as set should be well watered. They should then be shaded during the

Index to Advertisers,
Page 614

Ready Reference Advt.,
Page 615

Help and Situations Wanted,
Advertisements,
Page 581

warm days, the length of time necessarily depending upon how quickly they will take hold in the new soil. Give the plants all the air possible but avoid draughts if possible until they begin to show growth.

Anemone Japonica.

One of the finest fall perennials is the Anemone Japonica, which is now in bloom, and if it is not included in the grower's stock at present, it should be procured. There is both white and pink but for general use the former is to be preferred. Where the plants are in bloom a framework should be built over them that heavy cloth may be drawn over and protect them from the early frosts, and they will bloom for some two or three weeks yet. If it is desired to increase the stock, a plant can be lifted and the roots cut into several pieces about an inch long and the pieces inserted in the propagating bench and they will root in about four weeks. Pot them up in 2½-inch pots and when the roots have spread into the soil the pots can be placed under a bench and run dry until spring, when they should be potted in 3-inch pots and grown on until all danger of frost is passed and then planted out.

Our Knowledge of Fertilizers.

"The use of fertilizers is still in a most unsatisfactory state," said Dr. Frank G. Cameron, of the United States Agricultural Department's bureau of soils, in an address at the annual convention of the National Fertilizer Association, Atlantic City, N. J., July 16. "The primary question, of course, is, 'what fertilizer should be used for this particular soil?' or 'for this soil and that particular crop.' The net result of all the experimental evidence seems to be that in general a mixed fertilizer is better than a single ingredient, and that a triple mixture is better than a double mixture. But what should these mixtures be, and how are they to be determined? Frankly, we do not know. Analysis of the soil by many different methods has been tried, with unsatisfactory results. Ash analysis of crops, pot and plot experiments by the hundreds or thousands have been made, and are being made, and yet satisfactory answers to the above questions are not forthcoming. As a consequence, there is great dissatisfaction, and in an increasing number of cases, the fundamental hypotheses are being questioned on which the work of the past has been postulated. Theories of fertility are now being advanced almost as rapidly as solvents for 'availability' were a few years back. We are told that fertility depends on 'plant food' or on humus and nitrogen, or on bacteria or on protozoa, on whether the plant food is 'chemically available,' 'physically available' and 'physiologically available,' etc., and while the theorists formulate, the practical man sees only 'confusion worse confounded.' To the mind of the speaker, advancement in this line of enquiry depends on the recognition of three fundamental postulates which were developed in extent so before you last year. These are:

(1) The individuality of the soil, that is, no two soils are just alike or will respond just alike to cultural treatment, including fertilizer applications. (2) The dynamic character of soil phenomena, that is, all the factors in the soil influencing crop production, involve continual movements or changes.

(3) The interdependence of soil factors influencing crop production, that is, no one of these factors, physical, chemical or biological, can be affected or modified without change being induced simultaneously in all the others."

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

A Hunt Dinner.

Use the huntsman's caps, grouping about four in the center of table. These should be of red satin in which a wire frame of the same shape has been placed. Fill with moss and arrange in them the deep red dahlias. Place them on a mat of foliage or croton leaves. Garland around the table red sweet peas with their foliage, allowing it to fall gracefully from the edge of the table where it can be caught with a stirrup made of sweet peas. For favors use miniature china top boots filled with red sweet peas and tie with green and red ribbons. Horns can be gracefully arranged above the table, making them of red sweet peas and filling the end with maidenhair or autumn foliage. Also small horns will be good for favors made of red sweet peas and filled with bonbons. This can also be arranged with a silver bowl in the center, but the bowl must be of the tall slender variety. Fill it with red carnations in a loose and graceful way, using maidenhair as a green. Have the

caps of white satin and filled with red sweet peas. Use as a mat red silk folds, edging it with a garland of red carnations and maidenhair. For favors two riding whips with the handles of red carnations closely arranged to handle and tied with a red satin rosette is effective.

A. E. KLINDER.

Florists' Tags.

In the slack season the wise florist takes account of stock of his supplies—boxes, ribbons, labels and tags. This is the time of year to decide upon any changes in put-up. If the box that you have been using does not conform to your idea of quality, get prices and samples now and be prepared when the autumn season begins.

This is the time also to decide upon the tag question, one which is growing more important year by year. An attractively printed tag is a distinct asset. Your tag is really both a direction label and a business card. It is essentially the part of the put-up which represents your store. It is the first thing looked at when the flowers arrive in the home. It is often saved as a reminder to acknowledge the gift.

A few years ago the florists' tags of to-day, costing \$5.00, \$10.00 or even \$20.00 a thousand, were considered very extravagant. Nowadays the feeling is that they are a pulling advertisement. A few small insertions in a metropolitan daily cost as much as or more than ten thousand tags handsomely printed and embossed. The advertisements in the paper are noticed



DESIGN BY MATTHEWS, THE FLORIST, OF DAYTON, O.

Carnations, White Killarney Roses and Sweet Peas, Used to Represent the Wheel of Progress and the Wing of Aviation, at Funeral of Wilbur Wright.

by several thousand people on their way to work or play when they are not interested in flowers. The ten thousand tags go right with the roses or violets, in many cases into homes where your flowers have never been before. The tags lend an air of distinction to the packages. They present your name in an impressive manner. They please old customers and make new ones.

The peculiarities of human nature must also be considered in buying tags. Ninety-cent candy in an embossed box tastes better than the same candy taken home in a paper bag. A diamond ring in a leather case lined with velvet seems to be worth \$50.00 more than the same ring in a pasteboard box. In like manner a dozen American Beauties in a flimsy box, poorly wrapped and tagged with a cheap manila affair badly printed, fail to make the impression they would if they came in a handsome container four-square and strong, crowned with a richly printed tag.

For the florist especially is a handsome tag a sterling investment. The Dennison Mfg. Co. makes a specialty of high grade florists' tags.

An Autumn Table Suggestion.

Make tall vases of autumn leaves, covering them completely, and arrange in them yellow dahlias or marigolds and their foliage. In the center arrange a flat basket of rustic effect with autumn foliage, using the acorn twigs or even the green chestnut burrs intermingled. Arrange around this a garland of grape vines with their fruit, the blue and green grapes alternating. Encircle the guest plates with the foliage of the different autumn browns. Or, the center piece can also be arranged in two shades of the yellow garden flowers, but these should only be clustered in the center of the basket, allowing the foliage to predominate. A garland of autumn leaves will look well around the edge of the table, but the very small twigs should be used. A bow of yellow satin at the ends helps the effect. Silver candelabrae will be most artistic with this arrangement and silver bonbon boxes filled with yellow candies finished with a yellow rosette. Or, a buttonhole and corsage placed alternately, made of marigolds arranged with maidenhair ferns, will be effective and will add to the finish of a very inexpensive and attractive table decoration. Should a yachting dinner decoration be desired, place under the center yellow flags emblematic of the occasion. Small canoes filled with marigolds can be used as favors; or a tripod made of small yellow flags from which a small tiny basket may be suspended and filled with either flowers or candies will do.

A. E. K.

ROCHESTER, N. Y.—The monthly meetings of the Rochester Florists' Association were resumed September 9. Fred Vick, Wm. T. Logan and E. R. Fry were appointed delegates to the convention of the State Federation of Florists, held September 12.

GRAND RAPIDS, MICH.—The annual meeting of the Grand Rapids Growers' Association was held September 7. Rudolph Zant was elected president; Jerry Keyes, vice-president; Vernon Gross, secretary-treasurer. Reed & Cheney were continued as selling agents for the coming year.



ANOTHER MATTHEWS DESIGN FOR WRIGHT FUNERAL.

Wreath from School of Aviation at Washington, D. C.

THE CARNATION.

Stem-Rot and Other Troubles.

The first few weeks after planting in is often a troublesome time to the carnation grower, for it is during that period that stem-rot usually appears, this disease not infrequently being contracted in the field, and developing more rapidly after the plants are housed. The frequent spraying and close atmosphere that is given the newly planted stock is especially favorable to the development and distribution of the disease. Hot and damp weather always favors this trouble, and cool nights and dry air are the best checks for it. The use of Bordeaux mixture as a spray helps to conquer stem-rot, provided other conditions are favorable for the well-being of the plants.

As long as cultivation may be done between the plants without breakage it is well to keep the surface of the soil open by shallow scratching with a weeder; but as the plants get established it will be noticed that many fine roots get close to the surface of the soil, and it is not good practice to disturb these roots, for they are feeders and as such are valuable to the plants. Top dressings, or other applications of special fertilizers are not yet needed, provided the soil had been properly prepared before it was put in the benches. The plants were not in long enough to exhaust the food in the compost, and too much food

is liable to give them indigestion—or something very similar to it. Staking and tying having been completed, it soon will become necessary to put up the trellises and longitudinal wires, for once the stems are crooked, it is not easy to get them in shape again, and to avoid this difficulty proper supports are needed before the plants get out of shape.

The careful grower will not allow the weeds to get ahead in the benches; for not only does it make for a slovenly appearance, but it is also a waste of good plant food to raise weeds in the same soil in which one is trying to grow carnations. Topping is still in order to the extent that it is proper to take off all flower stems that are too short to have commercial value, or to top enough to give a well-branched plant. Early planted stock may not need any further topping, but this is a matter that must be adjusted in accordance with the condition of the stock and the demands of the market. Spraying with insecticides is necessary at regular intervals, or as regular as the weather will permit, for this is the time to eradicate thrips, so that the coming growth and bloom may be perfect.

Syringing vigorously to remove red spiders is another detail of culture at this season, for later on either the weather or the condition of the crop may interfere with proper syringing, and while there may be insecticides that will destroy red spiders, yet there are very few of them that are more effective in the removal of this pest

than a good pressure of water applied by a man who knows how. Air freely both day and night just as long as the weather will permit, for it is at this period that the foundation of sturdy growth should be laid to give results during the coming winter and spring.

As the nights grow longer it will be noted that the plants do not dry off when syringed late in the day, and with this in view it is well to do all watering and syringing as early as possible. The most convenient and satisfactory time for this operation is just after the regular morning cut of flowers has been taken. This leaves the greater portion of the day for drying off the foliage. Foliage that is hanging with moisture throughout the night is more susceptible to fungoid diseases, such as "spot" and "rust," and so moist an atmosphere does not help the keeping qualities of the flowers that are grown in it.

W. H. TAPLIN.

Heating and Ventilating.

We are getting along to the first part of October, which reminds us that in a very few days fall conditions will be with us, making it necessary to fire up nights according to the state of the weather. The carnation is a lover of cool temperature and at this season, when the building up of the plant is the most important consideration, extra care should be exercised to guard against running up the night temperature higher than is necessary to keep down the dampness. But on the other hand, it is equally detrimental to the plants' well being to allow the houses to remain over night without a little steam heat when the outside temperature is down around 40 degrees. This causes the inside of the houses to be damp and wet, which quickly starts the foliage to spot. It is also the cause of a great deal of the rust and stem rot. By regulating the ventilators, leaving the sashes open a crack, according to the weather, and turning on a little steam to dry up the atmosphere and hold the inside temperature around 46 or 48 degrees nightly for a while until the weather conditions become such that steady firing becomes a necessity, this with plenty of ventilation during the day will make the plants "get a hump" on themselves and build up a strong, sturdy body.

It is very important with this early firing to shut down early enough in the morning to hold the temperature from rising too high, particularly when steam is the means of heating. A cool, clear night is usually followed by a bright day and as the sun comes up the temperature inside will rise rapidly. This together with the hot pipes causes a dry heat which is congenial to the red spider and will quickly cause them to spread. Now that the outdoor flowers are on the wane the plants that are ready may be allowed to come into bloom; but do not be in too much of a hurry in this respect. To start off with, allow the plants every chance for development. Also, as to the stems, they will be shorter than we like for a while, but this cannot be helped. We must be content to let well enough alone.

We might increase the stems a little by rubbing out some side shoots

lower down but this is one thing that should not be practiced, because every one of those growth shoots that are taken away now means the loss of a bloom a little later on. It is only a question of a very short while till the stems will have stretched themselves out and become long enough. Disbudding should be followed up closely as the crop begins to come in, also pay close attention to keeping down the insects, which can be got well in hand now that the conditions are getting such that fumigating can be done almost any night.

C. W. JOHNSON.

CHRYSANTHEMUMS

Scales for Judging.

Regarding the comments on judging chrysanthemums by Elmer D. Smith in THE AMERICAN FLORIST of September 21, page 525, I have in the past frequently heard some criticisms on the judging of certain classes, but have attributed it to disappointment of the losing exhibitors more than to the scale of points by which the judges were guided. Still I think there might be a change in the scale with advantage, which in many cases would give the judges more leeway to work on. Of course there always will be certain points to which some judges will lean, as very clearly pointed out by Mr. Smith.

There is no denying the fact that color ranks first with nearly all who admire the queen of autumn, although the man who grows for exhibition only will lean to size first. Yet he is largely in the minority as regards the general interest in mums. A monster size alone will not sell the flower to the general public. It must have color, form, substance, good foliage and stem to appeal to those who buy.

Take for instance two of the leading yellows which have been on the market for many years, Major Bonnaf-

in vases. I would have the scale as follows:

Color	25
Form and fullness.....	25
Size	25
Stem and foliage.....	25

100

This will simplify the matter for judging such classes and gives the judges room for leeway. Of course this is only a suggestion and may not meet the views of the majority of growers and exhibitors, but I hope some clearly defined method may evolve out of a free discussion of this subject.

JOHN N. MAY.

Referring to the article on chrysanthemums in THE AMERICAN FLORIST of Sept. 24, under the heading of "Scales for Judging," by Elmer D. Smith, I heartily agree with Mr. Smith as to the need of a more practical scale for judging the vases of long stem blooms. According to my understanding, the present scales were gotten up for judging seedlings and I doubt very much whether those responsible for them considered them as a means of deciding the vases of blooms in open competition. For the purpose for which they were intended they have worked well, bringing out every necessary qualification of the bloom, stem and foliage, and have built up a high standard for the new variety to reach. I have never been able to see how they could be strictly adhered to in judging a competitive class of say 25 blooms, white variety, which has brought out a strong competition of three or four different forms. The regular incurved form may be perfect of its type and appeal very strongly to one judge while another man may see more in a vase of blooms of the type not so closely incurved and another may fancy the loose form of the regular Japanese type.

The judges of the western exhibitions of the last few years have been men of strong commercial affiliations who have bestowed their approval on varieties



J. VONDER LINDEN'S PLANT.

New Range of Violet Houses.

fon and Col. Appleton. These when well developed are typical flowers of their class and combine all the good qualities called for in Mr. Smith's scale, but without the leading quality, namely, color, it is doubtful if they would have ever made any favorable impression with the public. Therefore I would suggest to Mr. Smith a slight change in his scale for judging classes of six or more blooms of one variety

possessing the greater commercial value by being regular in form, even though not so large as some others in the competition. A glance over the records of the shows held around November 10-12 of late years I think will bring out the fact that in the white and yellow classes either W. H. Chadwick and Yellow Chadwick or Timothy Eaton or Yellow Eaton have been the winners. Sometimes the purity of color

has been lacking, but their commercial form and commercial value have pulled them through. This has had the effect of checking the efforts of the private gardener and the smaller grower and left the field to the large grower who has a large number of these varieties to draw from. It has also created very much of a sameness as to the shows. The large, massive blooms seem to attract the public to a greater extent than the commercial type and it appears to me that we must cater to that taste more strongly than

THE VIOLET.

Violets at Rhinebeck.

Members of the Albany Florists' club to the number of 17 journeyed down to Rhinebeck on the afternoon of September 19 to pay a visit to James H. Snyder, secretary of the Violet Growers' Mutual Protective Association. At the village, which is about three miles east of the railroad sta-

tion, the single violet is grown entirely.

The favorite variety at Rhinebeck is the Marie Louise. At this season the plants are being brought into condition for winter flowering. They are bearing a few blooms which are not held by the growers to be of good quality and only a small number is being shipped to market. Work in the houses consists mainly in pulling off runners and thinning out plants that have a tendency to develop too many leaves. Stock is free from insect pests because the growers have become adept in the use of cyanide gas. The gas is generated with the aid of sulphuric acid and water. The operator must exercise every precaution, as the gas is one of the most deadly things known. A fumigation once in three weeks is sufficient during a large part of the season, although at this time when insects multiply unusually fast some growers use the gas more freely. Rotting of the main tap root gives some trouble in many of the houses. The cause of this is obscure, but modern methods of investigation will undoubtedly solve the problem. Violets do best in rather low temperatures. Mr. Snyder said that toward the middle of the day, with the sun heat, 60 degrees is not too much but the plants will not thrive at any time with the same degree in artificial heat. The growers through a large part of the year keep their glass heavily coated with lime and hence are able at this season to hold the midday temperature down. Houses have been run in winter on extra cold nights as low as 36 degrees with no injury and possibly a benefit to the plants.

Following the visit to the houses Mr. and Mrs. Snyder entertained the members of the club at dinner. Louis H. Schaefer called to mind that the host and hostess on September 14 celebrated their silver wedding anniversary. In behalf of the club he in a neat speech presented Mr. Snyder a fine silk umbrella with silver mounted handle and initials. Mr. Snyder was surprised beyond measure but thanked the members for their gift. Someone started to talk politics and President F. A. Danker suggested the taking of a straw vote. E. P. Tracey and R. Davidson were appointed tellers and



J. VONDER LINDEN'S PLANT.
Grinding Manure for Mulching.

in the past few years. These days there is not enough difference between the blooms exhibited at the shows and those displayed in the first-class stores to create enthusiasm among the show visitors.

A few years ago the displays at the exhibitions were far ahead of anything that could be seen in the stores, and it is my opinion that we should work up to that standard now. At the St. Louis show of last year the large, massive blooms of the exhibition varieties entered in the Chrysanthemum Society of America classes were a great attraction and were such that could only be seen at an exhibition. The scale suggested by Mr. Smith for the purpose mentioned meets with my approval, though I should like to see a few points for substance. The points on color seem to me a little strong, because to my notion in a class for 12 or 25, white or yellow, as the case may be, to qualify the variety should be white or yellow. If traced or shaded with pink or bronze the entry should be thrown out. It does not seem justice to me to make a strong point on color for a new variety to gain a certificate under the national society's scale and then be lenient on the same point at the exhibition.

C. W. JOHNSON.

I am pleased to have the opportunity to give my opinion on the scale for chrysanthemums for exhibition, worked out by Elmer D. Smith, and would suggest as follows:

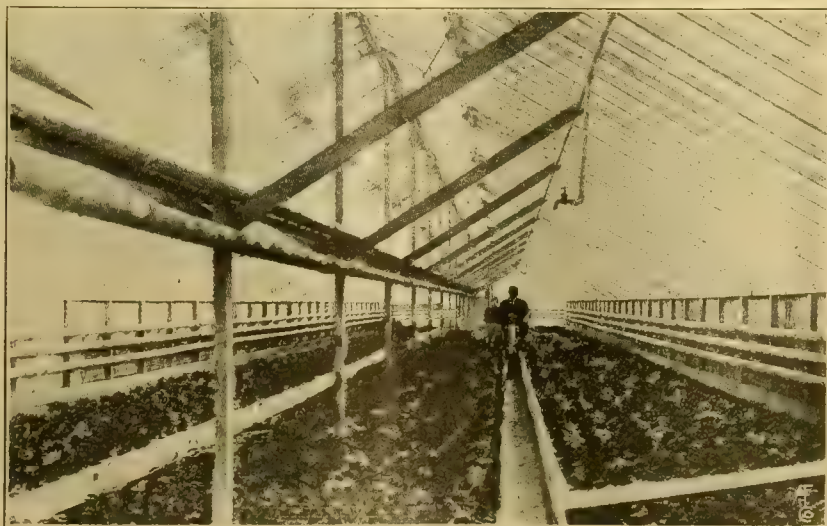
Color	15
Form	10
Fullness	15
Size	30
Foliage and stem.....	30

Total.....100

I agree that chrysanthemums are not grown for foliage, but what is a flower without good foliage and a good stiff stem? In my estimation such a flower is not worth having except for exhibition as a single flower in a collection with a twelve-inch stem.

WM. KLENHEINZ.

tion, Rhinecliff, on the New York Central, the Albanians visited a number of violet houses, including the three owned by Mr. Snyder. Violet growing is the principal industry of Rhinebeck. The visitors noticed that in connection with almost every dwelling there were one or more violet houses. Details as to the growing were supplied by Mr. Snyder in his talks during the afternoon. In the violet growing district, which includes Rhinebeck and the country 16 miles south to and including Poughkeepsie, the growers devote their energies almost exclusively to the double English variety. W. C. Cahill of Fottler, Fiske & Rawson, Boston, Mass., who accompanied the visitors, said that in the



JAMES H. SNYDER, RHINEBECK, N. Y.

Mr. Snyder and His Two Sons in One of Their Violet Houses.

after the ballots were sorted announced the following result: Wilson, 8; Roosevelt, 5; Taft, 2; Debs, 1; total, 16.
R. D.

J. Vonder Linden's Plant.

The accompanying illustrations are views taken at the large violet growing plant of J. Vonder Linden at Rhinebeck, N. Y. One view shows his new range of four houses which are also devoted to double violets. One shows Mr. Vonder Linden spraying in one of his larger houses; the other view shows how he grinds manure for mulching, using his delivery auto for the power plant to run the spike cylinder. This he finds a speedy way to grind manure, putting it in the best of shape for mulching. About forty tons ground up fine is used for the entire plant. This year he has planted 75,000 double violet plants, which he says are the best he has ever had at this time of the year. Mr. Vonder Linden is very particular of the quality of stock that he sends out, his trade demanding the best that can possibly be grown at all times. He personally grows all the stock sent out from his plant, which assures his customers that they will be well taken care of. He is the largest grower of double violets in the Hudson River valley section, and as far as we know in this country. He has plans drawn for a large additional plant to be built in the near future with all modern improvements. Visitors are welcome at his establishment at all times.

Two Imported Plant Diseases.

The Department of Agriculture has issued a bulletin by Perley Spaulding, pathologist, investigating in forest pathology, and Ethel C. Field, scientific assistant, in which the white-pine blister rust and the wart disease of the potato, both of European origin, are treated. These plant diseases are said to be the cause of the passage of the recent quarantine law.

"Within the past few years," says the bulletin, "two very serious European plant diseases have been brought to North America upon imported plant material. These diseases are of more than ordinary economic importance to us, as one is apparently the worst enemy of the white pine in Europe, while the other is practically certain to become one of the worst enemies of the potato wherever it occurs. They are especially serious because both have stages of development in which they can not be detected by inspection. The white-pine blister rust has been brought to this country in several million young white-pine trees, some of which are known to have been in the country a number of years before the presence of the disease became known. The importations already made have been carefully inspected and the diseased trees removed so far as possible. So far as now known the disease has not yet spread and become established here."

WHITE PINE BLISTER RUST.

The winter spores of the white-pine blister rust are blown from the currant and gooseberry leaves upon which they are produced to the white-pines near by. They stick to the bark or branches of the young trees and germinate, the fungus penetrating the inner bark. There is no external evidence of disease until about a year after infection and the period of incubation may last from one to several years. Then the

bark tissues begin to thicken and swell. Early in the spring after the disease becomes noticeable the fruiting bodies are formed, bursting forth from the inner bark tissues and setting the spring spores free. This is the most conspicuous stage of the disease and lasts from the middle of April to the middle of June. It is at this time that inspection should be made. The spring spores are blown about and fall upon the newly developed leaves of the gooseberry and currant bushes. From these there come finally the winter spores ready to infect more young white-pines.

The disease is sure to kill the infected tree. If it survives until it reaches the age of twenty-five or thirty years it is certain to break over in the first high wind. Most trees die the first season the fungus fruits, however. "The great damage," according to the bulletin, "is caused by the dying of young pine trees in nurseries, plantations and parks, and those naturally reproduced in the forests. In Europe the loss has in numerous cases ranged from 15 to 100 per cent of the original stand." Many European nurseries, including especially German and French ones, are known to have or to have had the disease.

The bulletin says that "Neger and Von Tubeuf mention this disease as the most destructive one occurring upon white pine in Germany. Griffon and Maublanc state that it caused much damage in 1908 in the forest of Fontenoy, France, and Pechon also mentions it as destructive in the forests of Ardennes, France. Ritzema Bos states that the disease has become so prevalent in Holland that the culture of white pine has been given up. A few years ago discrimination was shown in Europe against white-pine stock raised in Halstenbek, Germany, because of the blister rust. Ravn has recently stated that this dis-

as it has done in Europe, the loss that will result through the destruction of one of America's most valuable lumber trees can only be described as appalling."

The disease found here has been traced directly to German and French nursery firms. Prompt action has prevented the spread of the fungus, so far as known. Currant and gooseberry bushes have been removed from the vicinity of the infected trees wherever discovered, and the trees themselves have been destroyed.

POTATO WART.

The potato wart was discovered in Germany and Upper Hungary sixteen years ago. So far as known it has never reached the United States, but is known to have become established in Newfoundland. The wart attacks the tubers and causes the formation of wrinkled, warty excrescences, causing the disease to be called variously "wart disease," "black scab," "canker" and "cauliflower disease." The organism causing the trouble gains entrance through the tender tissue of the eye. At first it is difficult to ascertain.

"In more advanced stages the disease is very apparent. One or more nodules, varying in size from that of a wrinkled pea to lumps as large or larger than the tuber itself, may be found. These are green where they project from the ground and white below, turning as they grow old to dark brown or almost black. They have a wrinkled, coral-like appearance, much like the head of a cauliflower. A still more advanced stage occurs when the fungus has utilized every particle of food stored in the tuber and has reduced it to a brownish black soft mass, giving off a very unpleasant, putrefactive odor. Such potatoes can not be harvested whole. The black pulpy mass breaks up, liberating millions of sporangia (spore sacs) which live for



J. VONDER LINDEN'S PLANT.

Spraying Violets in One of His Large Violet Houses at Rhinebeck, N. Y.

case alone is responsible for discontinuing the use of white pine in Denmark as a forest tree, as the tree is otherwise very successful there. Somerville says 'that the outlook in this country [England] for the Weymouth (white) and other five-leaved American pines is almost hopeless. * * * But it is to be feared that the day is not far distant when it [the white-pine blister rust] will gain a footing in North America, and if it spreads there,

years in the soil. These sporangia have been known to infect potato crops after an eight-year interval. So far as known, longer intervals have not been tested and it is possible that the fungus may live in the soil even longer than that.

"The organism causing the 'wart disease' forms two kinds of sporangia—the summer sporangia and the winter, or resting, sporangia. The latter, which hibernate in the soil or on the

tuber itself, germinate in the spring, freeing thousands of motile spores. These are capable of moving some little distance if moisture is present. If they come in contact with the eye of the potato they work their way into the delicate tissue in probably much the same way as does the organism which causes the clubroot of cabbage."

Washington.

CONDITIONS IMPROVING.

Business conditions are improving, but stock is not over plentiful. White roses are in demand, with but few on the market. Mums are coming in in greater quantities and merit a ready sale.

NOTES.

Henry Gattenhemy has returned from his vacation and says that the new arrival will be a big help to him in the wholesale department of Gude Bros.

Geo. H. Cooke has on display some of the finest mums seen in Washington this season.

Z. D. Blackstone is holding his annual fern sale.

F. H. Kramer is also holding a palm and fern sale.

John Robertson is very busy with outside work.

Bowling scores at the latest match were as follows:

Shaffer 188 213 140 146	Esch... 111 157 134 120
McL'n 210 161 201 167	N'd'ski 168 157 141 140
Dalgh'b 152 155 166 169	

Visitor: Jas. Smith of W. J. Boas & Co., Philadelphia, Pa.

G. C. D.

Baltimore.

BUSINESS PICKING UP.

With the cool weather business is picking up. There is an abundance of all outdoor flowers on the market. Good roses are not plentiful just now. The rose growers are getting their stock ready for later cutting and consequently there are not many buds to be had. Dahlias are coming in now.

NOTES.

The sixth annual Dahlia Show will be held at Vincent's Dahlia and Canna farm, Cowentown, Md., September 24-27. This is certainly worth while to take in. About 65 acres of dahlias and cannas present to the eye a beautiful sea of color. Thousands of flowers are arranged in the exhibition hall and to a lover of these beautiful autumn flowers the sight is worth while.

The florists are turning their attention now to the heating of their houses. The temperature recently has called for artificial heat at night, especially in the rose houses.

The regular meeting of the Gardeners' Club will be held Monday evening, September 23, at the club rooms. A large attendance is expected.

Members of the Washington bowling team were entertained by the Baltimore team the past week.

Hans Anderson has installed a new heating plant in his range. B.

Sioux City, Ia.

FLOWER SHOW.

A flower show was held here during fair week, September 16-21. There was a good display of cut flowers, plants and designs. The competition was for professionals only and the judges were—Eubank of Eubank & Nordstrom, and Dr. Hanchette. The prizes were awarded as follows:

Funeral designs—Rocklin & Lehman, first; J. C. Rennison Co., second.

Plants—Rocklin & Lehman, first; J. C. Rennison, second.

Vase of roses—Rocklin & Lehman, first; J. C. Rennison Co., second.

Vase of asters—J. C. Rennison Co., first; Rocklin & Lehman, second.

Vase of carnations—J. C. Rennison Co., first; Rocklin & Lehman, second.

The contest was a close one throughout and the fair association claims it was the best flower show ever held here.

NOTES.

J. H. Chilson, who has been connected with the J. C. Rennison Co. for a number of years, will have charge of the firm of Rocklin & Lehman after October 1. This firm is opening a branch store in the new Martin Hotel in the heart of the city.

The recent cool nights made stock scarce but the demand is better than ever. Outdoor stock is about at an end but the carnations are coming in nicely.

Frank Farney, representing M. Rice & Co. of Philadelphia, Pa., was a recent visitor. I. G.

Indianapolis.

THE STATE FAIR.

At the state fair only three local firms competed for premiums this year, and honors were pretty well divided among them. The horticultural building presented a very pretty appearance, and, owing to the meager fruit display, room for once was plentiful. Fred Dorner acted as judge. The three contesting firms were the Pahud Floral Co., Roepke & Rieman and the Reinken Floral Co. The Pahud Floral Co. was first ten times, second fifteen, and third seven. Roepke & Rieman carried off first honors twelve times and were second five, and third thirteen. The Reinken Floral Co. took nine firsts, eleven seconds and eleven thirds.

THE ANNUAL PICNIC.

The State Florists' Association held its annual picnic at Broad Ripple, August 28, with about 75 members present. The weather was fine and everybody had a good time. Mrs. Ed. Reinken carried off the honors in the clothespin contest.—Elder, of Hartje & Elder, won against a strong field in the ice cream eating contest. Miss Elder, sister of the ice cream champion, was first under the wire in the young ladies' race, and O. E. Steinkamp won in the race for men.

NOTES.

Walter Bertermann spent part of his vacation in Denver, Colo. He has returned very favorably impressed with that state and the west in general.

John Rieman has remodeled and greatly improved his store, and is well equipped to take care of his ever increasing trade.

Visitors: E. M. Hyatt, Anderson; Nixon Geno, Martinsville; B. F. Heasley, Knightstown; George Reid, Danville; C. Farley, Philadelphia, Pa.

H. J.

Cambridge, O.

I. A. Oldham, for thirty years a florist here, has sold his greenhouses and the business to Fred W. Arnold, who continues the name of Oldham Greenhouses. Mr. Arnold has been a resident of Cambridge for twenty-five years holding responsible positions, in other lines of business, but has always been a successful amateur in the growing of flowers and his stock is now looking well. Mr. Oldham, who is now seventy-five years old, does not look it, and is hale and active. He says he does not intend to rust out, although he has retired.

John Davis keeps up a good stock and supplements it with landscape work.

Walter Heffernan has recently erected two houses at Electric Park and devotes his attention to bedding plants.

OBITUARY.

Angelo G. Baldocchi.

The sad announcement of the death of Angelo G. Baldocchi, of San Francisco, Calif., which came unexpectedly, was received with much regret by the fraternity. An honored member of the society, upright, courteous and considerate of all, his many admirable qualities rendered him worthy of the high esteem in which he was held by all who knew him. His inborn love of the beautiful was reflected in the floral conceptions that attracted the patronage of many of his city's select and most discerning lovers of flowers. The sympathy of the trade and the members of the Pacific Coast Horticultural Society was appropriately expressed in the character and beauty of the many floral offerings sent by them to the chapel in which the funeral services were conducted. The deceased had been engaged in the flower trade in San Francisco for the last 21 years, just one-half of his life. Two brothers are the only near relatives surviving him.

Thomas Fletcher.

Thomas Fletcher, a well-known and respected florist of Warren, Ohio, died at his home in that city August 31, of blood poisoning, after a very brief illness. He was born in Swans Village, Lancashire, England, in 1863, and came to this country when nineteen years old. Before leaving his native land he had learned the trade of a puddler and worked at it for a time in this country. For a number of years he had been engaged in the flower business at Warren, having 15,000 square feet of glass and a store in the heart of the city. He was a member of the Independent Order of Foresters and attended the Methodist church. He is survived by one son, Francis, about 20 years old, who will continue the business, and one daughter, Grace, 18; also a step-daughter, Mrs. Stanley Johnson, and three brothers and one sister, who live elsewhere in this country. His wife died several years ago. A. F. F.

Richard E. Evans.

Richard E. Evans, who conducted a flower store at 36 South Main street, Salt Lake City, Utah, died at his home September 15. He was a victim of paralysis, having suffered a stroke two years ago, since which time he had been unable to attend to his business affairs. For two weeks before his death he had been unconscious the greater part of the time. Mr. Evans was born in Portsmouth, England, in 1850 and was 62 years old at the time of his death. He came to America in early manhood and in 1882 established a flower business in Flint, Mich. He later sold out and had been located in Salt Lake since 1891. He is survived by a widow, one daughter and three grandchildren, and also a brother and sister. He was a member of the Woodmen of the World and the services were under the auspices of that order.

William W. Thompson.

William W. Thompson, a florist and gardener of Milwaukee, Wis., died at his home, September 19, at the age of 80. He leaves three sons, William, Fred and Charles, and a daughter, Hattie, of Lyons, Wis. He was a veteran of the Civil War and the funeral services, which were held Saturday, September 21, were in charge of the G. A. R.

DALLAS, TEX.—The Richmond Hill Floral Co. will erect five greenhouses 27x200 feet.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	573
-Dahlia.....	573
-Begonia Gloire de Lorraine.....	573
-Cinerarias.....	573
-Violets.....	573
-Ademone Japonica.....	574
Our knowledge of fertilizers.....	574
The retail trade.....	574
-A hunt dinner.....	574
-Florists' tags.....	574
-Design by Matthews, the florist, (illus.).....	574
-An autumn table suggestion.....	575
The carnation.....	575
-Stem rot and other troubles.....	575
-Heating and ventilating.....	575
Chrysanthemums.....	576
-Scales for judging.....	576
The violet.....	577
-Violets at Rhinebeck.....	577
-James H. Snyder (illus.).....	577
-J. Vonder Linden's plant (illus.).....	578
Two imported plant diseases.....	578
Washington.....	579
Baltimore.....	579
Sioux City, Ia.....	579
Indianapolis.....	579
Cambridge, O.....	579
Obituary.....	579
-Angelo G. Baldocchi.....	579
-Thomas Fletcher.....	579
-Richard E. Evans.....	579
-William W. Thompson.....	579
Important to subscribers.....	580
Chrysanthemum Society of America.....	580
Montana florists.....	580
Meetings next week.....	580
Coming exhibitions.....	580
Coming state fairs.....	581
Cleveland.....	582
Cincinnati.....	582
Boston.....	582
Philadelphia notes.....	582
Chicago.....	584
Alliance, O.....	586
St. Louis.....	586
Canal Dover, O.....	586
St. Paul.....	587
Columbus, O.....	588
Montreal.....	589
San Francisco.....	590
Chicago bowling.....	591
Philadelphia.....	592
New Philadelphia, O.....	593
New York.....	594
Newark, O.....	594
Washington.....	596
Albany, N. Y.....	600
The seed trade.....	602
-Catalogue postage at pound rates.....	602
-Potato crop heavy.....	602
-American Seed Trade Association.....	602
-Packet seeds.....	602
Lawrence Florists' Club.....	602
Wheeling, W. Va.....	606
Zanesville, O.....	608
Market gardeners.....	610
Mushroom culture.....	610
The nursery trade.....	612
Forestry as a profession.....	612

HEAVY shipments of indoor plants should be moved now, before hard frost.

ALTHOUGH it was found necessary to levy an extra assessment recently, officers of the Florists' Hall Association report that their society is growing faster than ever before.

WE have received from Secretary Benjamin Hammond, Fishkill-on-Hudson, N. Y., advance sheets of the premium list of the American Rose Society's spring exhibition, to be held in connection with the National Flower Show at New York, April 5-12.

FLOWER SHOW preparation must be completed without serious delay to insure success at the chrysanthemum exhibitions.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange C. Park street, care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwarz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 5, 12, 19, 26 and November 2, 9, 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Foliage.....	15
Form.....	15	Substance.....	15
Fullness.....	10	Size.....	10
Stem.....	15	Total.....	100

Exhibition.			
Color.....	15	Form.....	15
Stem.....	5	Depth.....	15
Foliage.....	5	Size.....	30
Fullness.....	15	Total.....	100

Single Varieties.			
Color.....	40	Stem and Foliage.....	20
Form.....	20	Total.....	100
Substance.....	20		

Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20	Total.....	100
Stem and Foliage.....	20		

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Montana Florists.

A meeting of the Florists' and Nurserymen's Association of Montana will be held at the State Nursery Co.'s greenhouses, Helena, at 10 a. m. Thursday, September 26, for election of officers and other matters which may be brought up.

E. A. CALMETTES, Sec'y.

Meetings Next Week.

Albany, N. Y., October 3, 8 p. m.—Albany Florists' Club, 71 State street.
Buffalo, N. Y., October 1, 8 p. m.—Buffalo Florists' Club, 385 Elliott street.
Chicago, October 3, 8 p. m.—Chicago Florists' Club, Union Restaurant, 70 West Randolph street.

Dayton, O., October 3, 8 p. m.—Dayton Florists' Club, 57 East Fifth street.

Fall River, Mass., October 1, 8 p. m.—Fall River Florists and Gardeners' Association.

Indianapolis, Ind., October 1, 7:30 p. m.—State Florists' Association of Indiana, State House.

Lake Geneva, Wis., October 5, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Lenox, Mass., October 5.—Lenox Horticultural Society.

Los Angeles, Calif., October 1.—Los Angeles County Horticultural Society.

Louisville, Ky., October 2, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., October 3, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City hall square.

Minneapolis, Minn., October 1.—Minneapolis Florists' Club, 115 North Sixth street.

New Orleans, La., October 2, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., October 2.—Newport Horticultural Society.

Philadelphia, Pa., October 1, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad above Spruce.

Pittsburg, Pa., October 1.—Florists and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, October 1.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.

San Francisco, Calif., October 5.—Pacific Coast Horticultural Society.

Seattle, Wash., October 1.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Tacoma, Wash., October 3.—Tacoma Florists' Association, Macebee hall.

Utica, N. Y., October 3, 8 p. m.—Utica Florists' Club, Genesee hall, Oneida square.

Washington, D. C., October 1, 8 p. m.—Florists' Club of Washington, 1214 F street, N. W.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

October 23-26, 1912, San Francisco, Calif.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel, Angelo J. Rossi manager, 2114 Steiner street, San Francisco.

October 24-25, 1912, Lenox, Mass.—Fall exhibition, Lenox Horticultural Society, Geo. H. Instone, secretary, Lenox, Mass.

October 24-26, 1912, Pasadena, Calif.—Fall annual fall flower show, Pasadena Horticultural Society, Geo. H. Kennedy, secretary, 407 Bradford street, Pasadena.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition, Nassau County Horticultural Society, James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society, Ben Wyckoff, secretary, 1101 Fourth avenue, Asbury Park.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory, Wm. Mills secretary.

October 31-November 1, 1912, Madison, N. J.—Seventeenth annual flower show, Morris County Gardeners' and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Engleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania hall, Anthony S. Peterson, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, John N. Stockwell, secretary, City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and floricultural departments so far as obtainable.

September 23-28, Salt Lake City.—Utah State Fair, J. Edward Taylor, Vermont building, Salt Lake City, Utah.

September 23-28, North Yakima.—Washington State Fair, Hon. J. C. Hubbell, Ellensburg, Wash.

September 23-28, Helena.—Montana State Fair, O. R. Whipple, Bozeman, horticulture, Prof. A. J. Roberts, Helena, floriculture.

September 24-27, Berlin.—Connecticut State Fair, Lehard W. Gwatkin, secretary, Berlin, Conn.

September 24-27, Douglas.—Wyoming State Fair, R. H. Hall, Hudson, horticulture; Mrs. Anna Jenne, Douglas, floriculture.

September 28-October 4, Sedalia.—Missouri State Fair, Ed. C. Roth, Buckner, Mo.

September 30-October 4, Trenton, N. J.—Inter-State Fair, Prof. M. A. Blake, New Brunswick, N. J.

September 30-October 6, Spokane, Wash.—Interstate Fair, Geo. T. Crane, Spokane, Wash.

October 4-12, Springfield.—Illinois State Fair, J. J. McComb, 1047 North Hoyne avenue, Chicago, horticulture; Robt. O'Dwyer, 716 West Madison street, Chicago, floriculture.

October 7-12, Boise.—Idaho State Fair, J. N. McPherson, Boise, horticulture; Mrs. Nanette Conklin, Boise, floriculture.

October 7-12, Richmond.—Virginia State Fair, A. Warwick, 7 Mutual building, State Fair Grounds, Richmond.

October 14-19, Raleigh.—North Carolina State Fair, Prof. W. N. Hitt, Raleigh, N. C.

October 15-25, Macon.—Georgia State Fair, D. C. Horgan, 109 Cotton avenue, Macon, Ga.

October 16-23, Montgomery.—Alabama State Fair, Prof. P. F. Williams, Experiment Station, Auburn, Ala.

October 28-November 1, Columbia.—South Carolina State Fair, Col. T. J. Moore, Moores, S. C., and Col. D. P. Duncan, Columbia, S. C.

October 28-November 2, Phoenix.—Arizona State Fair, John E. Logan, Tucson, Ariz.

October 31-November 6, Shreveport.—Louisiana State Fair, Robt. Glenk, State Museum, New Orleans, La.

November 11-16, Hot Springs.—Arkansas State Fair, Chas. Starke, Hot Springs, Ark.

Wants, For Sale, Etc

One Cent Per Word. Cash with Adv.

For Plant Ads., See Ready Reference Section

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By good carnation grower; can take full charge; best of references; long experience. Key 708, care American Florist.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 696, care American Florist.

Situation Wanted—Plant grower and propagator; has had experience with all lines of commercial greenhouse stock, including lilies and other bulbous plants; single. Key 701, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced. Can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture. Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds, a specialty. Has been several years in charge of large public place. Interest later also considered. Address. Key 703, American Florist.

Help Wanted—All around, reliable and energetic greenhouse man; good business opening for the right man. OPELIKA FLORAL CO., Opelika, Ala.

Help Wanted—Gardener who understands growing vegetable plants, transplanting and bedding. Married German preferred. Good permanent position to right man. State wages and reference in first letter. ARCHIAS FLORAL CO., Sedalia, Mo.

Help Wanted—Good rose grower to work under foreman; married man preferred; must come well recommended. State wages expected, with house. Apply, C. LOVERIDGE, Peoria, Ill.

Help Wanted—Bulb man wanted in wholesale seed establishment in Central West. Must be experienced in details of order filling and care of stock. Give full particulars and salary wanted. Address, Key 697, care American Florist.

Help Wanted—An experienced gardener, married small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

For Sale—Second hand ice-box. Good as new. \$150 cash. Write for particulars. Chicago. Key 706, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

WANTED AT ONCE. Two good growers for carnation sections. Chicago Carnation Co., 30 E. Randolph St., CHICAGO.

WANTED good saleslady for a retail store in Chicago. One experienced in design work preferred. Good wages to the right party. Key 699, American Florist.

For the South.

Advertisers want thoroughly experienced florist and decorator for store.

We also want a competent grower of general greenhouse stock. Address, Key 707, care American Florist.

GARDENER WANTED.

Young man, single, for public institution in Kentucky. Wages \$40 per month with board and washing. Must have knowledge of greenhouse and lawn work. Key 702, American Florist.

TO DRUM UP BUSINESS.

Advertiser has opening for hustling young man who can make good selling to florists. Salary and commission. Send full particulars in first letter to Key 705, care American Florist.

Position Wanted.

Seedsman, 26 years old, nine years experience in inside and road work. Will be open for position Sept. 20th, 1912. Best of references.

W. H. HUFFMAN, Highland Park, Richmond, Va.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

WANTED

By a large firm of Nurserymen, Florists, Seedsmen, a bright, active man to take charge of and manage our Cut Flower Dept.; a man of good address, accustomed to handling the finest trade; this with a view of partly relieving the executive of the burden of an immense growing business. Such a man, if satisfactory to both parties can acquire a good salary and a valuable working interest in the business. In replying, give the fullest particulars, as we want only to secure the most able energetic man possible. Address, Key 698, American Florist.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Send your order to "The House" that never "Disappoints"

M. RICE & CO.

The Leading Florists' Supply House and Ribbon Specialists.

1220 Race Street

PHILADELPHIA, PA.

Cleveland.

STOCK GETTING SCARCE.

Stock of all kinds has shortened up considerably. Local asters are about done, and shipped stock of medium quality are about the only asters available. Dahlias are coming in larger quantities and the market for good stock is satisfactory. Good red and white dahlias are short of the demand. Carnations are still rather short in the stems, but the flowers are good. Roses are far short of the demand and are generally sold on advance orders before stock arrives. The quality is excellent. Gladioli are shortening up in supply and not nearly enough to fill orders can be had. Asparagus plumosus and sprengeri is plentiful, as are adiantum fern and string smilax. The first shipment of boxwood for the season is expected about the middle of the week. Southern smilax has had a good call and stock this season has been unusually good. Good fancy and local dagger ferns are plentiful. The supply business has been good. Many retailers are stocking up for fall business.

HORTICULTURAL SOCIETY'S SHOW.

The premium list of the Ohio Horticultural Society for the exhibition to be held November 14-16 at Gray's Armory is out, and every grower or retailer who has not received a copy can have one by addressing John N. Stockwell, secretary, 218 City Hall, Cleveland, Ohio. There are cash prizes, medals, cups and certificates of merit in abundance and the cash prizes are worth trying for, ranging from \$2 to \$50. Following is a partial list of classes staged: Chrysanthemums, orchids, miscellaneous plants, table decorations, carnations, Brides and corsage bouquets, roses. The entrance fee is only \$1. C. F. B.

Cincinnati.

BUSINESS GOOD.

Business as a whole continues good and everything sells. Last week at the opening and close everything was cleaned up. The middle of the week showed a little slacking up in the demand that caused some things to be held over a day and then sold a little lower than the preceding day. This, however, was the exception rather than the rule and applied only to a few roses. Between openings, fall weddings and the like everything worth while is utilized and on some days more might easily be used. The supply of roses is good and includes American Beauties, Pink and White Killarney, Richmond, Bride, Taft, Rhea Reid, Ivory and Sunburst. The improvement in Richmond the past fortnight has been most marked. The buds now have their rich midwinter color and form, and in view of the fact that American Beauties are pretty thoroughly off crop, should prove a first-class seller from now on. Carnations continue to increase in supply and many of them are first-class stock for the time of the year. Giganteum lilies are short of the call. The few that come in are good, but many more might be used. Other offerings are cosmos, dahlias and asters. Business in greens of all kinds is good.

NOTES.

Visitors: E. L. Humphrey of Zanesville, C. P. Brunner and wife, Spring-

field; Martin Weber, Brookville, Ind.

Peter Weiland was in Cincinnati on Friday. He is cutting an elegant crop of Brides and White Killarney roses.

C. E. Critchell has been finding a steady call for the early chrysanthemums he has been receiving.

Julius Baer's father, Michael Baer, died the early part of this week.

J. A. Peterson and wife went to Dayton on Sunday.

W. R. Miller of Covington, Ky., died on Monday. H.

Boston.

IMPROVEMENT IN BUSINESS.

There is a marked improvement in the business. The cool fall weather we are having just now has given an upward swing. There is no scarcity in any line, but goods move better than for some time, especially the good stock. Chrysanthemums are in. Some are well grown and some go by the name only. There is more satisfaction to the seller in having good stock, no matter what the flower is. It increases the grower's trade in dull times and gives a stimulating effect to business that poor stock kills.

NOTES.

The Natick school children held a flower and vegetable show of some merit. The schools were closed all day Tuesday and Wednesday afternoon of last week and it was a pleasure and surprise to see the interest taken in the work by the children and the teachers. The Commercial Club voted \$50 last spring for the purchase of seeds and Robt. Montgomery gave roses to the children to be grown by them and offered a prize for the best blooms. Alex. Montgomery and Jas. Wheeler were the judges in the flower department and Samuel Watts was judge in the vegetable section. The exhibition is worthy of emulation by other towns and cities. It creates an interest in the work, and stimulates the love for flowers, which will afterwards result in more being sold, happier homes and better contented citizens.

There are a few good business omens which ought to portend to a good winter's business. Mercantile building in Boston is good, all trades are busy. The stock of all of the wholesale florists is good, there are bumper crops, according to government forecasts, and a shortage of cars to accommodate the crops promised. We hope all these signs will make good, and that the florists will come in for their share during the coming winter.

The absorbing topic at present is the National Flower Show next spring. John Young was in Boston keeping the pot boiling. They promise a better one than Boston, and that says much.

Welch Bros. filled an order last week for 2,000 specimens of Golden Glow mums for an out-of-town dealer.

Mac.

BARABOO, WIS.—The Peck greenhouse property has not been disposed of as the highest bid, \$1,800, made at the administrator's sale was not regarded as high enough.

URBANA, ILL.—Prof. Charles Durst, instructor in horticulture at the University of Illinois, and Miss Bertha Good were married at the home of the bride's parents in this city September 4.

Philadelphia Notes.

The September exhibition of the Pennsylvania Horticultural Society held September 17, while not very elaborate, made up for quantity with quality. The H. A. Dreer Co., W. Atlee Burpee and Richard Vincent & Sons each made exhibits of choice stock. The Burpee exhibit was as usual very well displayed, Mr. Geo. W. Kerr, who was in charge, being an expert in this line. The new peony flowered sorts were much admired, as was the Golden West, Burpee's fine yellow seedling. The Dreer collection was enhanced by the addition of a background of ferns, each specimen flower standing out from a fringe of delicate green. Over seventy-five varieties, all named, were in this collection. Herbaceous phlox were also a feature. Vincent's table had some very beautiful sorts, mostly standard varieties. W. F. Bassett of Hammonton sent some very well grown flowers of the best commercial sorts. Among the private gardeners, Joseph Hurley's collection of outdoor flowers was a prominent feature. John Little's table of vegetables was the best. H. Michell & Co.'s prize for dahlias was won by Wm. Fowler. This exhibition was well worth seeing, but the attendance shows that for some reason the public are not interested as they should be considering that there was no charge for admission.

At the Niessen market many new faces were seen on Saturday, it being an opening day for quite a number of smaller retail men who thought it was time to get in the game by making a bid for custom with a more liberal display. Dahlias are a feature here and they are sold by the wagon load. Cattleyas are handled in quantity, while American Beauties are given quite a large section in the cold-storage rooms. Pink and white Ward carnations are seen here with 22-inch stems.

The Robert Craig Co. is shipping quantities of plants daily to men with greenhouses who are stocking up while the weather will permit of the cheaper transportation by freight. Their new addition of 50,000 feet of glass at Norwood is nearing completion. This is now one of the largest places in the country given over almost entirely to the growing of foliage and flowering plants for the retail florist.

Edward Reid is not in love with the dahlia, never was, so don't go to him for this queen of the farm. American Beauties, Kaiserin, valley and orchids are favorites seen here in quantity. Quite a lot of New York state asters are still being handled.

The Philadelphia Cut Flower Co. report Easter lilies, white carnations and white roses in active demand, while dahlias and chrysanthemums are draggy. They look for better conditions next week.

M. Rice & Co. are having a run on their wedding requisites, all the way from the kneeling stool and wedding gates to fancy ribbons and chiffons for the bouquets.

Never had such a run before on wedding accessories is the report from Bayersdorfer's. "We have to work at night to keep up with our orders," they say.

K.

PERCY JONES

H. VAN GELDER, Pres.

L. M. JONES, Secy.



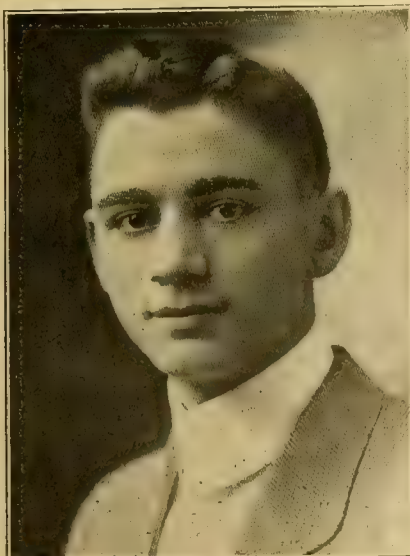
Three Years Ago Size of the Store 20x20.

SHOWING SECTION OF OUR STORE.

Now Each Table 16x4.

**Importers and
Jobbers of
Florists' Supplies.**

**Ribbons and
Chiffons
Our Specialty.**



H. Van Gelder.

**Wholesalers of
Cut Flowers
and Greens.**

**We Sell
Everything Used
by Florists.**

56 E. Randolph St.,

WATCH US GROW.

CHICAGO, ILL.

Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice Large White and Yellow, medium **\$2.50** per dozen; large **\$2.50** to **\$3.00** per dozen.

Good, Fresh, Short Stem Roses, our selection in lots of 500 or more, at the rate of **\$20.00** per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$3 00
36-inch	2 50
24-inch	2 00
18-inch	1 50
12-inch, \$1.00 per 100; Short, \$1.00 to \$6.00	

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long select.....	\$8 00 per 100
Good length.....	6 00 per 100
Medium length.....	\$4 00 to 5 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Extra long, O. P. Bassett.....	\$2 00
Extra long, white	2 00
Fancy pink.....	2 00

FINE EASTER LILIES.....

per doz., \$1 50	12 00
Lily of the Valley	3 00 to 4 00
Smilax..... per doz., \$1 75 to \$2 00	
Asparagus Sprays.....	2 00 to 4 00
Sprenger.....	2 00 to 3 00
Adiantum.....	1 00 to 1 50
Leucothoe Sprays.....	0 75
Galax—Bronze and Green..... per 1000, \$1 00	
New Ferns..... per 1000, 2 00	

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

Phone, Central 1457.

CHICAGO

Greenhouses. HINSDALE, ILL.

Chicago.

STOCK SCARCE.

A little more life was noticeable throughout the market the past week, especially among the retailers, which caused a large demand on the wholesale houses. The displays by the large department stores at their fall openings is creating quite a demand for large and showy flowers and chrysanthemums and American Beauty roses are being largely used. The shipments of stock from the greenhouses to the wholesale stores have been rather small and there is a shortage in all kinds of flowers. American Beauty roses are sold immediately upon arrival and white roses are bringing extra good prices. Roses especially are of good quality and some magnificent Killarney, Mrs. Aaron Ward, Prince De Bulgarie, Radiance and Lady Hillingdon are now arriving but sell up quickly. Richmond are in better supply and some very fine long stemmed stock is to be seen. Chrysanthemums are now being received in large quantities and are used in all large displays, and decorations. Assters are nearly done, there being but few of the first quality offered, but gladioli are still plentiful and the quality is good for the lateness of the season. Orchids are in much larger supply, there being large receipts of Cattleya labiata, C. Gigas, C. Gaskelliana and some beautiful sprays of Oncidium varicosum Rogersii. Carnations are more plentiful but the supply is about equal to the demand. Lily of the valley and gardenias are scarce and lilies of excellent quality are now being received in good quantities. There are plenty of greens and sprengerii is overplentiful. Autumn foliage is being freely used in the store windows and decorations betokening that the fall trade is opening.

NOTES.

Percy Jones is doing a big business in supplies as well as cut flowers and H. Van Gelder has been obliged to increase his store force to take care of the rapidly growing business. Jack Brenner, formerly with the J. M. Gasser Co., Cleveland, O., is the latest addition in the cut flower department. Red ruscus of the best quality is seen in large quantities at this store and advance orders for Christmas are now being booked.

Poehlmann Bros. Co. is enlarging its supply department and Geo. Poehlmann is now busy building another balcony 10x60 feet. Otto W. Frese says that orchids are now a little more plentiful at this establishment and that the shipments now include Cattleya labiata.

Miss K. N. Cooper says that the Auburndale Goldfish Co. is receiving a large number of orders for goldfish from florists in all parts of the country. Her extraordinary offers A and B to encourage early ordering are big bargains and should be looked into.

Chas. W. McKellar's shipments of orchids are large and contain fine Cattleya labiata, Dendrobium Formosum and Oncidium varicosum Rogersii. Frank Ayers is back from a business trip to Paris, Tex., and Frank Schleiden is again in the employ of this firm.

A meeting of the Cook County Florists' Association was held at the Tavern, West Washington street, Thursday, September 19. The trade is cordially invited to attend a supper which will be given at the Tavern on October 10.

Mr. and Mrs. John Prickett, of Des Plaines, are rejoicing over the arrival of an 8 pound boy. The home of T. B. Gray, sales manager for the Geo. M. Garland Co., was also gladdened by the arrival of a bouncing baby boy last week.

The Chicago Flower Growers' Association has added Louis Cannon & Co., the fern growers of Uno, Mich., to its list of stockholders and this firm is now making regular shipments to the association's store.

J. A. Budlong is cutting a fine grade of lily of the valley, Golden Glow chrysanthemums and My Maryland roses. The shipping trade is picking up considerably and the call for lily of the valley is exceptionally good.

The J. B. Deamud Co. reports a good demand for gladioli and the large daily shipments of Mrs. Francis King, Augusta and America now arriving at the store are sold at a very early hour.

Louis Wittbold says that the Geo. Wittbold Co. has just finished planting the carnations at its Edgebrook establishment and that the demand for decorative stock is now very good.

Bassett & Washburn are cutting a large quantity of Golden Glow and Smith's Advance chrysanthemums and also a good supply of Mrs. Aaron Ward and Rhea Reid roses.

The next regular meeting of the Chicago Florists' Club will be held at the Union Restaurant, West Randolph street, Thursday, October 3.

J. P. Sinner is able to be about again and will most likely be discharged from the hospital next week.

Weiland & Risch are finding a ready market for their fancy Mrs. Aaron Ward roses and report an unusually good September.

John Kruchten is disposing of his gardenias as fast as they arrive to his local customers.

Anton Rintz has moved from 1762 North Robey street to 1579 Clybourn avenue.

George Fisher is serving on the jury this week.

Fred H. Rowe leaves for Seattle this week.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

LARGE SUPPLY CATTLEYAS and WHITE ORCHIDS. EXTRA FINE LILY OF THE VALLEY.

We can supply all you will need regularly from now on.

CARNATIONS.

We are now supplying first grade. Medium stems. Good flowers.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.	Per Doz.	LADY HILLINGDON.	Per 100	CARNATIONS	Per 100
Specials.....	\$3.00	Long.....	\$ 8.00	ORCHIDS, White Dendrobium, doz.	\$5.00
30 to 36-inch.....	2.50	Medium.....	6.00	CATTLEYAS	per doz., \$7.50
24 inch.....	2.00	Short.....	4.00	EASTER LILIES.....	15.00
18 to 20-inch.....	1.50	RICHMOND.		VALLEY.....	\$3.00 to 4.00
Short stem.....	per 100, \$4.00 to 8.00	Fancy.....	8.00	ADIANTUM CROWNEANUM.....	1.00
PRINCE DE BULGARIE, Antoine Rivoire or		Medium.....	6.00	SMILAX, per doz.....	1.50
Mrs. Taft.....	Per 100	Good short.....	4.00	SPRENGER, PLUMOSUS SPRAYS.....	3.00 to 4.00
Long.....	\$ 8.00	KILLARNEY.		PLUMOSUS STRINGS, extra long and	heavy, each.....
Medium.....	6.00	Long.....	8.00	FERNS.....	per 1,000 1.50
Short.....	4.00	Medium.....	6.00	GALAX.....	per 1,000 1.25
MELODY, long.....	8.00 to 10.00	Good short.....	4.00	LEUCOTHOE.....	per 100 .75
Medium.....	6.00	WHITE KILLARNEY.			
Short.....	4.00	Long.....	8.00		
MRS. AARON WARD.		Medium.....	6.00		
Fancy long.....	8.00	Good short.....	4.00		
Medium.....	6.00	CHRYSANTHEMUMS, White and yellow, per doz.....	\$3.00		
Short.....	4.00				

New Crop of Boxwood.

FINE STOCK. Also a good supply of
Carnations--Roses--Beauties
Plumosus--Sprengeri--Ferns.

We are supplying A1 quality in all of these, so order of us.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES Central 2571-2572
Automatic 48-734

CHICAGO

L. E. Partridge, of Sharp, Partridge & Co., says that the glass market is still very firm and all the prophecies he made sometime ago were fulfilled. His firm is very fortunate in having a large supply of greenhouse glass in stock and the proprietors think that it is absolutely safe for the growers to place their orders for breakage now.

The Superior Machine & Boiler Works delivered two of their No. 1 hot water boilers to August Priests of Park Ridge, this week. A No. 5½ boiler with a heating capacity of 42,000 square feet of glass, will also be delivered to John P. Karels, North Robey street, in the near future.

Erne & Klingel are making good in the wholesale business and are building up a good city trade. Chas. Erne reports a brisk demand for extra select cut blooms of hardy hydrangeas.

The remodeling of George Perdikas' South Wabash avenue store is well under way and the proprietor will have a fine modern establishment when the alterations are completed.

The John C. Moninger Co. has delivered all of Bassett & Washburn's greenhouse material and it will only be a few weeks more before the new range will be completed.

The Kroeschell Bros. Co. has sold a duplicate of the No. 15 boiler that it exhibited at the last S. A. F. convention to the C. C. Pollworth Co. of Milwaukee, Wis.

George Pieser has been devoting nearly all of his time to wedding decorations at the Hotel La Salle since the closing of the roof garden, September 15.

Al. Fischer is very well pleased with the new Flanders car that he has just added to his delivery service.

O. Johnson says that the Batavia Greenhouse Co. has its new Kewanee boiler installed and that work on the heating system is now completed.

Schiller, the florist, has placed an order with a local automobile firm for a new thirty-five horsepower Lambert friction-drive delivery car.

Miss Anna Karella has given up her store on South Fortieth avenue and left for Hot Springs, Ark., to enjoy a long rest.

Emil Jehlik is occupying his new corner store at 1825 South Ashland avenue, a little south of his old location.

Curtis Kindler, with the Raedlein Basket Co., is visiting friends in upper Michigan.

Thos. Fogarty and wife have returned from their honeymoon in the east.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2 00	15-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6 00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems

Good, 15.....\$6.00
Short.....4.00
Short.....3 00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4 00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$2.00
Fancy.....1.50
Good.....1.25

HARRISII.....10.00 to 12.50

FERNs, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

N. J. Wietor says that business is fine at Wietor Bros. store and that their American Beauty roses are selling like hot cakes. The Killarney roses that are now received at this establishment are excellent and have unusually fine color, foliage and stem.

Peter Reinberg's Richmond roses are fine and the supply of the stock that is now arriving at the store is sold quickly at good prices. The long stemmed flowers are particularly good and are nearly equal to winter grown stock.

A. L. Vaughan & Co. are filling orders for a fine grade of new boxwood for which they report a good demand. W. E. Lynch is back from his eastern trip and is again on the job.

The state fair will be held at Springfield, October 4-12. The superintendent of floriculture is Robt. O'Dwyer, 716 West Madison street. Telephone Monroe 1620.

F. Greagor is building a very handsome conservatory on Cottage Grove avenue near Seventy-first street.

John Poehlmann, Jr., is again attending the Culver Military Academy at Culver, Ind.

Harry Cown entered the employ of Kyle & Foerster on September 23.

The E. F. Winterson Co. is handling a very choice grade of myrtle.

Visitors: Wm. F. Kasting, Buffalo, N. Y.; C. A. Kuehn, St. Louis, Mo.

Alliance, O.

H. T. Miller, who now has the old Lamborn greenhouses, is doing a good business. As a former employe of Fred Burki of Pittsburg, Pa., and Robert Kilt of Philadelphia, Mr. Miller has had a good chance for experience in both growing and design work and has improved his opportunity. He is yet a young man and may be expected to develop further.

St. Louis.

FALL SEASON BEGINS.

A change to cooler weather has caused stock to shorten up considerably. Asters are about over. Roses are decidedly scarce and bringing good prices. In American Beauties long stems are seen, but there are few shorts. Smith's Advance and Golden Glow chrysanthemums are coming in. Carnations in poor quality are numerous, but good stock is scarce. This week has been fair, and the season may be said to have started.

NOTES.

We are informed by Mrs. O. C. Simmonds of 1508 Cass avenue that the address of Miss L. Doussard, notice of whose opening was published in our last issue, is 309½ Collinsville avenue, East St. Louis, instead of 3091-92 Collinsville avenue, as at first reported.

F. H. Weber had the decorations at the opening of J. Steinbergh's Hat & Fur Emporium. This store was elaborately decorated with bay trees, palms, chrysanthemums and beauties artistically arranged in baskets and bunches. Dave Geddes did the work.

Foster, the Florist, opened up Saturday. His store is one of the largest in the city, on a very busy and prominent corner, Kings Highway and Delmar avenue. He has an especially fine assortment of plants and well grown ferns.

H. G. Berning, as usual, has a good supply. He could have disposed of considerable more moss. A large quantity of inferior grade of carnations had to be sacrificed, but good stock has a steady demand at good prices.

C. A. Kuehn has a fine assortment of all seasonable flowers and a full line of supplies. Some good medium length American Beauties and fine valley are found here.

The Windler Wholesale Floral Co. has had a good assortment of stock. Lilies, American Beauties, carnations and roses have had steady demand. The supply department is rapidly filling up.

Mrs. O. C. Simmonds has a nicely fitted up store at 1508 Cass and is a daily visitor to the market with her machine.

Ostertag Bros. had the banquet at the Coliseum at the druggists' convention. The decorations were very elaborate.

Flowers for one of the largest weddings of the season at the Columbian Club were furnished by Grimm & Gorly.

Werner Bros. are shipping to the Wm. C. Smith Wholesale Floral Co. a fine lot of White Killarney roses.

George Nalbait is making a fine display of all varieties of cut flowers and decorative plants.

F. C. Weber's delivery machine is one of the handsomest in this city.

At Angermueller's some very choice orchids are to be seen.

Grimm & Gorly are out with a fine new delivery wagon.

W. F.

Canal Dover, O.

C. Betscher has a force of men busy on his great crop of gladioli. He has one of the largest flower farms in the state, there being thirty or forty acres in gladioli, cannas, dahlias and peonies. His cannas are particularly noticeable at this time, as he grows the standard varieties.

NILES, Mich.—John Gipner, Jr., youngest son of John Gipner the florist, lost the sight of his left eye recently when a piece of steel from a wedge he had struck with an axe flew off and hit the eyeball.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

EXTRA FANCY LONG STEM BEAUTIES

Also Extra Long Richmond—30 to 34 inches.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney.....	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland....		

Mrs Aaron Ward {	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise..... {	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations		1 50
Harrisii	per dozen	1 50 to 2 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50

Goldfish!

Goldfish!

You have been wanting to know where you could buy them.

The Auburndale Goldfish Company

922 West Randolph Street,

Telephone Haymarket 152.

CHICAGO

Largest and only exclusive wholesale goldfish concern in the U. S. handling goldfish and all aquarium supplies, calls the attention of Florists to the following Special Offers as a starter:



OFFER A.

INVEST \$15.00.	REALIZE \$36.60.	(No. 2).
72 Half gallon globes.	72 Aquarium Castles.	
150 goldfish, 2 fish for each globe.		
72 Instruction sheets. Pebbles sea moss for each globe.		
Goldfish at 10c each.....	\$15.00	
Globes 10c each.....	7.20	
Castles 10c each.....	7.20	
Fish food at 10c per box.....	7.20	
	\$36.60	

Your Profit on above, \$21.60.

OFFER B.

INVEST \$7.60.	REALIZE \$19.20.	(No. 7.)
12 1 gallon globes.		
12 Aquarium castles.		
36 Goldfish.	Complete \$1.50 ea. \$18.00	
12 Water plants.		
12 Boxes of fish food, to sell at 10c.....	1.20	
	\$19.20	

Goldfish from \$3.00 per 100 up. Japanese Fish.
DO YOU WANT OUR CATALOG?

St. Paul.

INCREASE IN TRADE CONTINUES.

The last week business continued to increase and a number of good social events helped to stimulate the general trade. A shortage of roses and carnations was experienced and the supply was not up to the demand. Outside stock is very poor and though we have had no killing frost yet one is expected almost any time and all will be glad to see the outside supply shut off.

STATE SOCIETY MEETING.

The annual election of officers of the Minnesota State Florists' Society took place at the meeting held September 17 at Holm & Olson's store. The officers for the coming year are: Hugo Will, Minneapolis, president; O. J. Olson, St. Paul, vice-president; S. D. Dysinger, St. Paul, secretary; E. P. Holm, St. Paul, treasurer. On the

executive committee are Theo. Wirth, Minneapolis; L. L. May, St. Paul; L. R. Cady, St. Paul, and C. N. Reudlinger, Minneapolis. A good representation of florists from both cities was present and a very enthusiastic meeting was held. A fund was started at this meeting to affiliate with the Chrysanthemum Society of America and \$20 was raised. The remaining \$5 for the membership fee will no doubt be shortly forthcoming. It was decided not to take the money from the treasury, but to raise it of the members by general subscription. After refreshments the meeting adjourned. The next meeting will be held at the Park Board Greenhouses in Minneapolis on the third Tuesday in October. A number of members seem to forget that dues are payable on September 1 and that after that date they are delinquent. The various committees of

the Flower Show are constantly working and are progressing rapidly, and as the show is now not far distant all are getting anxious. Donations from firms of wholesalers and manufacturers outside of the Twin Cities reach about \$500 in cash and other prizes. These donations will be a good help and are cheerfully received. The preliminary premium list is now out and is being rapidly mailed. The publicity committee is running in the leading papers good articles regarding the coming show.

NOTES.

Holm & Olson furnished the decorations for a banquet given in honor of J. J. Hill's seventy-fourth birthday. The banquet was held at the Auditorium September 16 and places were laid for 1,200 guests. The decorations were exceptionally fine. A great abundance of southern smilax and palms

THE HOME OF BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"



OUR MOTTO:

HONEST DEALINGS

GOOD VALUES

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money**.

We **grow our own stock**, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit**.

We are cutting heavily in **Roses, Valley and Carnations** and as such are **well supplied to take care of your wants**. Our **Carnations** are without exception the **best** in our market for so early in the season.

J. A. BUDLONG, 82-86 E. RANDOLPH STREET, CHICAGO.

were used. For color there were hydrangeas, heliopsis and euphorbia variegata and the effect was very beautiful. A loving cup was presented to the "Empire Builder" and to have all to harmonize the cup was filled with orchids, eleven varieties being used.

L. P. Lord, of the Lord Box Co., Minneapolis, spent a few days in St. Paul last week booking orders for his "New Idea" box for cut flowers. He experiences no trouble in convincing the florists of the advantages of his invention over the old style cases used for shipping. His order book plainly demonstrated the fact that the local florists agree with him.

The L. L. May Co., which for the last several years has conducted a retail store on East Sixth street, will by October 1 move into a more commodious store. The store on the corner of Fifth and Minnesota streets has been leased by this firm. The location and the store are both good and the move should prove a beneficial one.

O. R. Eckhart of O. R. Eckhart & Co. spent a few days last week visiting the trade in the southern part of the state. He says there is a good outlook for the coming season's business.

A. A. Epperly of the Eckhart Co. was married September 11, and after a honeymoon spent in the northern part of the state, is back at his regular place.

R. Karlstrom, representing Manda Co., and ——— Sherman, of the Sherman Nursery Co., Charles City, Ia., were visitors. C. F.

SPOKANE, WASH.—The success of the first annual flower show held by the Spokane Horticultural Society has resulted in plans being made for two shows next year. In addition to the regular fall exhibition a rose show will be held in June.

Columbus, O.

As the capital of a great and wealthy state it is to be expected that Columbus will shine in matters pertaining to horticulture, and it is pleasing to note evidence of prosperity on every hand. Not only is the glass area being greatly increased but new and well equipped retail stores are being opened from year to year and progressiveness in the business is the watchword.

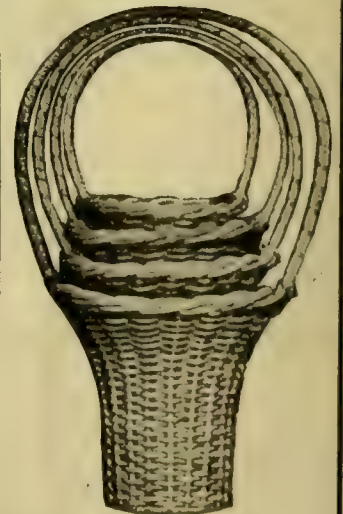
A recent visit to the range of the Columbus Floral Co., a strictly wholesale establishment, showed excellent work in carnation growing. Manager Miller is an experienced grower and a good business man and is ably assisted by his general foreman, L. S. Bibler. There are over 100,000 square feet of glass in this range, a part of which is devoted to vegetable growing. But there is large space for flowering stock, as evidenced by 65,000 carnation plants which are in fine condition and beginning to flower freely.

At the John R. Hellenthal range everybody was cheerful over the outlook. Young Mr. Hellenthal takes pride in a copy of THE AMERICAN FLORIST Directory of 1890, which he owns. Needless to add it is much smaller than the present directory. There are about 120 pages less than the edition of 1912.

The Munk Floral Co. has been making extensive improvements at its range during the past summer. A large and roomy workroom with cold storage space has been erected of brick and stone. The roses are now in fine condition and the store on High street is well stocked with seasonable flowers.

The Fifth Avenue Floral Co. seems prosperous and both their ranges are well stocked. At the old range they have about 35,000 chrysanthemum

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.
713-717 Milwaukee Ave., CHICAGO

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y

ANTON THEN, Treas

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS


 L. D. Phone
 Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS.

Chrysanthemums

Beauties

White Killarney

Lilies

Carnations and Valley

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Gladioli.....	6.00	4.00	3.00				
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

 Anything in Seasonable Stock
 at Lowest Market Prices.

 Long Distance Phone
 Central 3598.

plants coming on and when these are cut lilies, violets and other pot stock will replace them.

Samuel Graff, who closed up his business in Seattle, Wash., and returned here on the death of his brother, goes on improving the new store in the Keith Theatre building on Gay street, which he manages for the Art Floral Co.

Carl A. Jagsch, who is now general manager of the Franklin Park Floral Co., is well pleased with the prospects for fall business and has the range in good condition.

Montreal.

BUSINESS GOOD.

The demand for decorative plants has been very keen for the last week, but the growers were well prepared as this has been for the last half dozen years an annual occurrence. Business is good, but flowers are getting scarce, owing to the outdoor stuff being practically ruined by the continuous rains. Roses are coming along nicely and some fine flowers are cut, but small as yet. Carnations are all, with few exceptions, under glass. They stood transplanting well, as the cool, dark weather was in their favor. Chrysanthemums are cut plentifully now. Smith's Advance and Golden Glow and the mid-season varieties are showing color and promise well. There are more mums grown around Montreal

this year than ever before. Asters are nearly gone. Dahlias and gladioli are very good yet.

ANNUAL EXHIBITION.

The Montreal Horticultural Society's annual exhibition, held September 11-12, was quite a success. The exhibitors were more numerous and the exhibits of a higher quality than in former years. The attendance, though not as great as hoped for, was ahead of last year. The plant section award was keenly contested for, but W. J. Wilshire, gardener to R. B. Angus, easily carried off the aggregate prize. In the cut bloom section R. Burrows and J. Linck were close rivals, but the former won by one point. The fruit section was not a success as the insects have nearly destroyed the whole crop. The vegetable section furnished the best contest and the exhibits were of the highest quality ever seen here. Ignace Morrow, Notre Dame College, was the winner of the aggregate prize. The show was opened by Mayor LaVallee in the absence of President Wilson Smith. The judges were: Plants—Jos. Bennett and E. J. Hayward. Cut blooms—G. A. Robinson and W. J. Wilshire. Fruit and vegetables—Geo. Trussel and John Eddy. Amateur exhibits—R. Burrows and F. C. Smith. On the evening of the last day of the exhibition the venerable and esteemed president of the Montreal Horticultural Society, Wilson Smith, died at his summer home in St. Agathe. The

society not only loses a president of many years, but also an earnest worker for its good and his place will be difficult to fill. L.

Tacoma, Wash.

CONDITIONS IMPROVED.

Business conditions with those in the flower trade are greatly improved since the last trade notes were sent in, and we may look for better prices and better business. The extremely hard rains and cool weather with no sunshine has about ruined the most of our outdoor flowers. Many of them were literally pounded to pieces by the heavy rainfalls. Field plants of carnations have made unusually fine growth and planting them inside is under way successfully. Indications seem to show that fewer plants will go in this season—as last season proved to be rather over-done and prices were too low to pay well.

NOTES.

Some excellent red roses are being received from Oregon and seem to find ready sale at \$1.00 a dozen.

The California Florists have lately had considerable decorative work.

A new firm with a house at least 34 x 200 feet is the talk. S. L. H.

NICHOLAS WAPLER, New York, announces a new edition, the sixth in number, of "The Gold Fish and Its Culture," by Hugo Mulertt.

"The Busiest House in Chicago"

WE FLOWER THE WEST

We have the largest supply of **CHOICE GLADIOLI** on the market. Price, \$3.00 to \$4.00 per 100. Our **Roses, Gardenias, Carnations, Smilax, Adiantum** and **Florists' Greens** are the best obtainable. **Wild Smilax** always on hand.

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, Asters, Gladioli and Greens of all kinds.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

San Francisco.

STOCK SCARCE AND DEMAND GOOD.

The past week the weather has been fine and members of the fair sex have thronged the streets viewing the elegantly arrayed shop windows decked with a lavish display of the latest creations in wearing apparel, the occasion being the Fashion Show conducted annually by the leading dealers in fine wear. It is a matter of regret that so few natural flowers were used in the decorations, artificial ferns, etc., taking their place. Flowers at this season being plentiful, it would appear that the florists should take steps to encourage their use in next year's shows. This ought to help solve the "what to do with the surplus" question. Counter sales have been excellent; weddings, dinner parties and like functions have been numerous, and with an unusual amount of funeral work have resulted in a busy week for the trade. On the other hand, there is a decline in the demand usual with the Jewish holidays. Flowering plants are very scarce, some small cyclamen being about all that is offered; Boston and elegantissima move well. A fine lot of Adiantum O'Brienii sent in by H. Plath retails readily at \$5 each and up. Florists' stock in general is good for the season. American Beauties are looking up and any day may advance 50 cents on the prevailing rate of \$1.50 a dozen. Marylands are the best pink, and with the Killarneys and Richmonds coming in three grades, sell from 35 cents to 75 cents a dozen. Carnations are slow, the warm spell retarding the quality. Mums are plentiful at 75 cents a dozen, a few specials like Duckham and Louise Sievers bringing \$1.50. There are no orchids and

will be none for the next two weeks. Valleys are 50 cents a dozen and very scarce owing to the heavy demand; violets are much improved by the early rain and clean up well daily at 75 cents a dozen bunches. A few gardenias are coming in and many more would be welcome. Frank Pelicano is still sending in some good Francis King gladioli at 50 cents a dozen. To sum up, good stock is scarce and the demand good.

SOCIETY MEETING.

The last meeting of the Pacific Coast Horticultural Society was well attended and the members were treated to a show of dahlia blooms of fine quality. Wm. M. Brown, for the MacRorie-McLaren Co., showed three fine plants of *Oncidium splendidum*, *O. varicosum* and *O. McKayii*. For small plants the spikes and blooms were admirable. The judges awarded the display 75 points. William Kettlewell showed some very fine dahlias, including several seedlings, that compared favorably with the best named varieties, one large decoration being particularly good. He was awarded 90 points. Chas. Ehrlich showed a nice collection of dahlias, largely new seedlings, some of which give much promise; 80 points were awarded his exhibit. J. W. Glidell, a local amateur grower, showed a number of European dahlia novelties which were quite praiseworthy despite their apparent lack of cultivation. A hearty vote of thanks was tendered by the society to Members H. Plath, Angelo J. Rossi, D. MacRorie and Julius Epstein and wife for their work in behalf of this city for the S. A. F. convention of 1915. Eric James made the formal announcement of the loss to the society by

death of Member Angelo G. Baldocchio. Frank D. Pelicano, the veteran florist, paid a high tribute of respect to his late friend, speaking in glowing terms of the excellent personal qualities and the ability of the deceased member. The secretary was instructed to forward a letter to the bereaved brothers, expressing the sympathy of the society. Applications for membership were received from Frank Webster and Herbert E. Drew, gardeners at the Claremont Club, Oakland. The society has appointed a committee on athletics to form bowling and baseball teams.

NOTES.

H. Plath and wife have returned from an enjoyable trip to Lake Tahoe. Henry Goertzhorn of Redwood reports 40,000 mums in fine condition to cut from. Henry Maier of Burlingame has nearly that many. Frank Roach has an acre or more, and when the numerous Asiatic growers are considered there ought surely be something doing in mums this fall.

The Ferneries, of which H. Plath is proprietor, are making a specialty of the "Irish maidenhair," the popular name applied to *A. O'Brienii*. This handsome variety, while too somber a green for cutting, is the best adiantum for residence purposes, which fact is fast becoming recognized.

The Grallert Co. is sending all its blooms of *Gerbera pameonii* to the Francis Floral Depot. As a novelty it retails readily at 50 cents a dozen, and being an excellent keeper, has surely come to stay.

The MacRorie-McLaren Co. has an entire house of *Phalenopsis amabilis* coming in shortly in addition to a house of *Cattleya labiata*. T.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



Chicago Bowling.

The Cook County Florists' Association bowling league opened its season at Bensinger's West Randolph street alleys, Wednesday, September 18. The scores:

Violets.		Carnations.	
A. Huebner	164 162	Lorman	135 151 146
Jacobs	160 113 171	Lieberman	141 131 161
Cole	170 128 122	Brunk	163 153 158
Schultz	155 130 126	Armstrong	124 116 121
J. Huebner	158 165	A. Zech	170 172 112
Totals	807 691 746	Totals	742 723 698
Roses.		Orchids.	
Goerisch	167 136 134	Roses	114 182 187
Vilter	96 135 75	Graff	154 149 140
Ollinger	98 113 106	Kohlbr'd	119 109 91
Byers	172 135 175	Econ'oplus	107 196 146
Fischer	176 173 187	J. Zech	159 115 144
Totals	699 692 677	Totals	653 751 708

The Chicago Florists' Club bowling league opened the season September 24 with the following scores:

Killarneys.		American Beauties.	
Price	184 147 133	Foerster	183 176 174
Bernier	169 117 135	Lazaroff	103 132 203
Ollinger	143 113 132	Krauss	136 177 184
Totals	496 377 400	Totals	422 485 561
Richmonds.		Wards.	
Huebner	133 153 150	Bergman	188 117 138
Rose	146 158 166	Kruchten	113 131 167
Farley	183 185 162	Potocka	125 150 118
Totals	462 496 487	Totals	426 398 423

DANBURY, CONN.—The Rev. Walter J. Shanley of St. Peter's Catholic church has issued an edict forbidding the carrying of flowers into the church or cemetery at funerals. He says that people go to unreasonable extravagance in purchasing flowers for the dead.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Sept. 25.		Per doz.
Roses, Beauty, specials	.....	3 00
.. 36 in.	.....	2 50
.. 30 in.	.....	2 00
.. 24 in.	.....	1 50
.. 15-20 in.	.....	1 25
.. 12 in.	.....	75@ 1 00
.. Short	.....	Per 100
.. Killarney	.....	4 00@ 8 00
.. White Killarney	.....	3 00@ 8 00
.. Richmond	.....	3 00@ 8 00
.. Prince de Bulgarie	.....	3 00@ 8 00
.. Radiance	.....	3 00@ 8 00
.. Mrs. Aaron Ward	.....	3 00@ 8 00
.. My Maryland	.....	3 00@ 8 00
.. Melody	.....	3 00@10 00
.. Mrs. Jardine	.....	3 00@10 00
.. Kaiserin Augusta Victoria	.....	3 00@10 00
Carnations	.....	1 50@ 3 00
Chrysanthemums	 doz., 2 00@ 3 00	
Asters	.....	1 00@ 3 00
Orchids Dendrobium	 per doz., 5 00@ 6 00	
Daisies	.....	75
Gardenias	.....	1 50@ 2 00
Gladioli	.....	1 50@ 4 00
Valley	.....	2 00@ 4 00
Adiantum Croweanum	.....	1 00
Lilium Harrisii	 per doz., 1 50	10 00@12 50
Ferns	 per 1000.	1 50
Galax	.....	1 25
Leucothoe	.....	75
Plumosus Strings	 each,	50@ 60
Smilax	 per doz., 1 50@2 00	
Sprengerii, Plumous Sprays	.....	3 00@ 4 00

PHILADELPHIA, PA.—Geo. W. Drexel, of Reading, announces the engagement of his daughter, Miss Susan Drexel, to William H. Hansell, a local florist.

HOERBER BROS.

Wholesale Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Avenue, CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Cut Flowers

Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

C.C. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus,

Ohio

Philadelphia.

TRADE BETTER BUT NOT BRISK.

The rose crop is not at all overabundant. Several reasons are given for this. The first flowering period being past and a new growth coming on, houses are held for better trade conditions, and the buds are pinched off to get longer stems with the next growth, which should at maturity find a better market. American Beauties are not so plentiful and clean up well with little stock going to waste. All the newer roses appear to find admirers. The Taft, Lady Hillingdon, Mrs. Ward and the latest entry, Sunrise, will give Killarney a run the coming season and add much needed variety in the rose section. Cattleyas are now to be had by the 1,000 if required. They are of superb quality. Prices are less than one-half of the figures of three weeks ago. Gardenias are much too plentiful. The street men are seen daily on Chestnut street carrying boxes of very good flowers which are offered at extremely low figures. Surely some one is blundering; forcing this flower on a dull market at the opening of the season is no way to build up a trade at good prices for this exclusive flower later on. Easter lilies and valley are about normal in supply. The early weddings are keeping the valley crop moving. Some very good carnations have been seen, but they will not be much of a factor until Jack Frost disposes of their outdoor rivals. The dahlia now dominates the market. Quantities of choice flowers are sent in on orders, and as this is all selected stock the grade of these flowers is gradually being raised. The bargain lots of inferior stock which hardly brought enough to pay the freight, and which were sold on the streets for a song, are now allowed to go to waste on the farm and in this way much better returns are secured. The first violets arrived last week, all singles, small flowers, which do not keep over night, but they are very fragrant and appear to find buyers. Golden Glow and Smith's Advance chrysanthemums are a little too plentiful for the demand. There are still a few asters, the purple finding a good market, as they are popular for funeral work. The business of the past week while a trifle better than the week before has not the desired snap, consisting of a little in the morning and much too little the rest of the day. Saturday was an exception. There was quite a demand and the commission houses cleaned up very well. K.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Sept. 25.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Liberty.....	3 00@ 8 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., -50@2 00	
Dahlias..... per doz., 1 00@2 00	2 00@ 4 00
Gladioli.....	2 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 4 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch, 50	
Smilax.....	15 00@20 00

PITTSBURG, Sept. 25.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, Sept. 25.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" White Killarney.....	2 00@ 8 00
Asters.....	1 00@ 2 00
Carnations.....	1 00@ 2 00
Gladioli.....	1 00@ 3 00
Lilium Gigantum, per doz., 1 75	
Sweet Peas.....	50
Swainsona..... per bunch, 25@ 50	
Asparagus..... per string, 50	
Sprengeri, per bunch, 25	
Ferns, Fancy..... per 1000, 1 50	
Galax..... per 1000, 1 50	
Smilax..... per doz., 1 50	

LAKE CHARLES, LA.—J. G. Strong built a new greenhouse this summer, 25x150 feet. It is devoted exclusively to the growing of chrysanthemums.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO.

Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

Young Rose Stock

American Beauty, Killarney, Richmond, Kaiserin,
Bon Silene and Safrano. All clean, healthy stock.
WRITE FOR PRICES.

Asparagus Plumosus Nanus seedlings, \$1.00 per 100; \$7.50 per 1000.
Asparagus Sprengeri seedlings, 75c per 100; \$5.00 per 1000

W. H. ELLIOTT, Brighton, Mass.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley,
Carnations, Killarney, Richmond, Maryland,
and other seasonable stock.

Wholesale Flower Markets

BUFFALO, Sept. 25.	Per 100
Roses, Beauty, special.....	20 00@25 00
" fancy.....	15 00@20 00
" extra.....	12 00@15 00
" No. 1.....	6 00@10 00
" No. 2.....	2 00@4 00
Maid and Bride.....	3 00@6 00
Pink Killarney.....	3 00@6 00
White Killarney.....	3 00@6 00
Richmond.....	3 00@8 00
My Maryland.....	3 00@6 00
Kaiserin.....	3 00@8 00
Carnot.....	3 00@7 00
Asters.....	50@1 50
Carnations.....	1 00@2 00
Chrysanthemums, white.....	15 00@20 00
yellow.....	10 00@15 00
Dahlias.....	1 00@2 00
Gladioli.....	2 00@3 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@4 00
Pink Japan Lily.....	3 00@4 00
Swainsona.....	50@1 00
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengeri.....	35@ 50
Ferns.....per 1000, \$1 50	
Galax.....per 1000, \$1 50	
Smilax.....	15 00

BOSTON, Sept. 25.	Per 100
Roses, Beauty, best.....	20 00@25 00
" medium.....	12 00@20 00
" culls.....	50@ 1 00
" Bride, Bridesmaid.....	50@ 6 00
" Extra.....	1 00@6 00
" Killarney and Richmond.....	1 00@8 00
" My Maryland.....	2 00@8 00
" Carnot.....	6 00@8 00
Carnations, select.....	1 50@2 00
Callas.....	8 00@12 00
Cattleyas.....	50 00@60 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	6 00@8 00
Lily of the Valley.....	2 00@4 00
Sweet P as.....	25@ 35
Smilax.....	12 00@16 00

CINCINNATI, Sept. 25.	Per 100
Roses, Beauty.....per doz., 50@ 3 00	
" Bride, Bridesmaid.....	2 00@8 00
" Killarney.....	2 00@8 00
" My Maryland.....	2 00@8 00
" Perle.....	2 00@8 00
" Richmond.....	2 00@8 00
" Taft.....	2 00@8 00
Asters.....	1 00@3 00
Carnations.....	8 00@12 50
Lilium Auratum.....	8 00@10 00
Lilium Giganteum.....	2 00@4 00
Gladioli.....	3 00@4 00
Lily of the Valley.....	3 00@4 00
Adiantum.....	25 1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengeri.....per bunch,	25



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.
312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

ST. LOUIS, Sept. 25.	Per 100.
Roses, Beauty, short stems.....	3 00@6 00
" Killarney.....	2 00@4 00
" My Maryland.....	3 00@5 00
" White Killarney.....	2 00@6 00
Asters.....	1 00@2 50
Easter Lilies.....	10 00
Gladioli.....	3 00@4 00
Lilium Rubrum.....	5 00@6 00
Valley.....	4 00
Asparagus Sprengeri.....	2 00@3 00
Asparagus Plumosus, per bu., 35@60,	
Ferns, New, Fancy.....	1 50

New Philadelphia, O.

T. B. Stroup, who has 35,000 square feet of glass, devoted largely to carnations, has a fine crop coming on. Mr. Stroup is acknowledged to be one of the best carnation growers in the country.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—
Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. **L. P. WALZ, Mgr**

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.
Mention the American Florist when writing

ANNOUNCEMENT.

Owing to the large increase in our business we have been compelled to move to larger quarters, where with better facilities we will be able to handle orders with more care and promptness.

W. E. Marshall & Co.,

Seeds, Plants and Bulbs.

166 W. 23rd St., New York.

New York.

BUSINESS SLOWS UP.

The encouraging increase in business that was noticed in the early part of the week did not continue, and at present the supply far exceeds the demand and prices on everything have a downward tendency. The market is "swamped" with outdoor grown flowers of all kinds and large quantities of these have to be thrown away daily. Roses are improving in quality and there is a little better demand for some of the very best. Carnations are more in evidence and those that have long stems sell readily. Lilies are doing a little better. With orchids, as was expected now that there are several growers sending in cattleyas, the quotations are about half those of the previous week. The supply of chrysanthemums is increasing daily. There is very little call for the best lily of the valley which is plentiful. The regular supply of gardenias is on hand and there is the usual supply of green stock.

NOTES.

The auction sales, both at Elliott's and MacNiff's were well attended, but the most interest was taken at the sale of the big stock at MacNiff's. There were over one hundred interested buyers there and the prices obtained were as a general rule very satisfactory. Some of the prominent buyers present were George Stumpp, J. H. Troy, C. C. Trepel, Joseph Trepel, Thomas Griffen, H. W. Wippermán, John B. Nugent and A. Eisenburg.

Gomer Waterer, of John Waterer and Sons, England, is a visitor. He has inspected the new Grand Central Palace and is very favorably impressed with the buildings. He will take a large block of space and make an extensive exhibit at the coming International Flower Show.

N. Lecakes has made extensive improvements at his farm in South Norwalk, Conn., where he will grow an extensive line of green goods and nursery stock. Recently a trolley line has been built through his property, which has increased its value to a very great extent.

William Duckham will sail for Europe on the Mauretania October 2 to visit his parents, after which he will make an extended trip to secure foreign exhibits for the International Flower Show at the New Grand Central Palace next April.

At the last meeting of the club, Henri Beaulieu had on exhibition drafts for nearly two hundred dollars, rebates that he had received from the American Express Co. This was for excess charges made on shipments of seed from France.

"Johnny" Weir has returned from his one-day vacation spent with Joseph Fenrich at Bradley Beach, N. J.

HENRY M. ROBINSON, Pres.

CHARLES E. ROBINSON, Vice-Pres.

MAURICE L. GLASS, Treas.

JOSEPH MARGOLIS, Secy.

Announcement

TWO IN ONE

HENRY M. ROBINSON & CO. have incorporated their New York Branch with MAURICE L. GLASS, of New York City, under the firm name of

Henry M. Robinson Company of New York

MAURICE L. GLASS, Manager.

The combined business is now carried on on the first floor in the **Coogan Building, 55-57 W. 26th St.,** in the enlarged floor space formerly occupied by Maurice L. Glass.

Tel. Nos., 13 Madison Sq. and 8510 Madison Sq.

entirely rejuvenated. He is now prepared for a hard season's battle with the dealers in the "Street."

Dan MacRorie and A. Rossi have been in town all of the week, enlightening the florists on the attractions of California, and urging them to visit San Francisco in 1915.

Walter F. Sheridan, organizing director of the alumni of the New York Florists' Club, will have that society well established before the date of the International Flower Show.

A. Kollmiller, recently with Joseph G. Leikens, has established himself in a very attractive store on Madison avenue, between Forty-fourth and Forty-fifth streets.

Carl Cropp and wife, of Chicago, sailed from Bremen, September 12, on the Koenigen Luise and are due to arrive in New York Saturday, September 21.

An effort is being made to reorganize the bowling club and the two best alleys at Ladue's, Sixth avenue and Twenty-sixth street, have been offered.

Clarence Shinn has started in the wholesale business at 55 West Twenty-sixth street, taking space on the floor controlled by the Alex. J. Guttman Co.

Robert Leach of Jersey City has begun to cut chrysanthemums. These are consigned to M. C. Ford.

Ralph Armstrong, for many years with Madley & Smythe, has opened a retail store at Madison avenue and Forty-seventh street.

Komitsch & Junge are making regular shipments of orchids to Traendly & Schenck.

Visitor: P. R. Quinlan, Syracuse.

Newark, O.

Paul Halbrooks, formerly a well known Chicago grower and later with the Livingston Seed Co., of Columbus, has bought the range and business of A. J. Baldwin, located opposite Cedar Hill Cemetery. His carnations, roses and chrysanthemums are looking fine.

Charles A. Duerr is thoroughly overhauling and renovating his range at Granville, which is one of the most beautiful towns in Ohio. Mr. Duerr's store in the Newark Arcade is well cared for by his daughter.

Warren S. Welant & Son are vegetable growers with 200,000 square feet of glass. They seem to know enough about flowering plants, however, to beautify their grounds with fine bedding work.

The Kent Brothers are two enterprising young men who have been but a few years in business. They have a good range of about 25,000 square feet and two stores.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.



PERCY B. RIGBY, Treasurer.

Everything in supplies.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799.

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES: 1664 } Madison Sq.
1665 }

Consignments Solicited.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, **SELLING AGENTS FOR
LARGEST GROWERS**
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328, 1998 Madison Square
49 West 28th Street New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK, Sept. 25.	Per 100
Roses, Beauty, special.....	10 00@25 00	
" " extra and fancy ..	6 00@10 00	
" " No. 1 and No. 2....	1 00@6 00	
" " Bride, Bridesmaid.....	2 00@4 00	
" " extra and fancy.....	50@2 01	
" " No. 1 and No. 2.....	3 00@4 00	
" " Killarney, My Maryland..	2 00@3 00	
" " extra and fancy.....	50@1 00	
" " No. 1 and No. 2.....	50@4 00	
" " Taft, Hillingdon, Aaron	50@2 00	
" " Ward.....	50@1 00	
" " Richmond.....	50@2 00	
Asters.....	50@2 00	
Carnations.....	30 00@50 00	
Cattleyas.....	8 00@15 00	
Gardenias.....	4 00@6 00	
Lilies, Longiflorum and Harrisii..	2 00@3 00	
Lily of the Valley.....	15@50	
Adiantum Croweanum.....		

M. C. FORD

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
shippers of121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

31 & 133 West 28th St. NEW YORK.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 851 Madison Square
CONSIGNMENTS SOLICITED.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four hours' notice.

PRICE, - - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA.

Mention the American Florist when writing

We Are Now Booking Orders for Southern Wild Smilax

Shipment commencing Sept. 1st.

Natural and Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

BROOKLINE, MASS.—Albert H. Woods shot and killed an unknown man for stealing violets from his greenhouse September 18. Mr. Woods says flowerers had been stolen from the greenhouse regularly and that he fired to scare the intruder away and not to kill him.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand......50 pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100: \$7.50 per 1000
Boxwood.....per pound 20c, 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket.....\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

Always mention The American Florist
when you order stock.

Clean Sphagnum Moss

60c per Wire Bale

Sample bale will convince you of
quality and quantity.

E. FRIEDL, Phillips, Wis.

Mention the American Florist when writing

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
moss.

\$1.50 per barrel.

JAMES DAY,

MILFORD, N. H.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.
September 29.

FROM MONTREAL, Corinthian, Allan.

October 1.

FROM BOSTON, Franconia, Cunard.
FROM PHILADELPHIA, Graf Waldersee, Ham.

Amer., 11 a. m.
Moltke, Ham, Amer., 1 p. m.
New Amsterdam, Holland-America, 10 a. m.

Kaiser Wilhelm Der Grosse, North Ger. Lloyd, 10 a. m.
Mayaro, Trinidad, Pier 24, Brooklyn.

Terrence, Lamport & Holt.
October 2.

Mauretania, Cunard.
FROM BALTIMORE, Brandenburg, 2 p. m.

October 3.
La Lorraine, French, 10 a. m., Pier 57, North River.

Cedric, White Star, 12 noon.
Pennsylvania, Ham, Amer., 10 a. m.

George Washington, North Ger. Lloyd, 10 a. m.
Canada, Fabre, 3 p. m.

October 4.
FROM MONTREAL, Corsican, Allan.

FROM QUEBEC, Empress of Ireland, Can. Pac., 3:30 p. m.

Madonna, Fabre, 3 p. m.
October 5.

FROM MONTREAL and QUEBEC, Scandinavian, Allan.

California, Anchor, 1 p. m., Pier 64, North River.

Carmania, Cunard.
Niagara, French, 3 p. m., Pier 57, North River.

St. Louis, American, 9:30 a. m., Pier 62, North River.

FROM PHILADELPHIA, Merion, American, 10 a. m.
Lapland, Red Star, 10 a. m., Pier 61, North River.

Majestic, White Star, 12 noon.
FROM MONTREAL, Teutonic, White Star Dom., at daylight.

Berlin, North Ger. Lloyd, 11 a. m.
Martha Washington, Austro-American, 1 p. m.

Kursk, Russian-American, 2 p. m.
Tennyson, Lamport & Holt, 9:45 a. m.

FROM MONTREAL, Letitia, Donaldson.
October 6.

FROM MONTREAL, Sleilhan, Allan.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

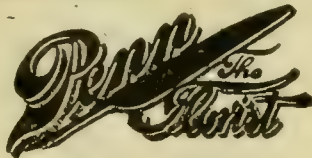
JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 128 E. 4th St., Cincinnati.
Barteldes Seed Co., Oklahoma City, Okla.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bolt-Lundy Flower Shop, Denver, Colo.
Rowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L., Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldochi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
Wisconsin Floral Co., Milwaukee, Wis.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Withhold, Geo., Co., 737 Buckingham Pl., Chicago.
Withhold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park J. A. VALENTINE, President. Floral Co.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions. for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc. 229 WEST THIRD STREET.

City Index to Retail Florists Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Milwaukee, Wis.—Wisconsin Floral Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Oklahoma City, Okla.—Barteldes Seed Co.
Omaha, Neb.—Hess & Swoboda, Farum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Pittsburg—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 80 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 508. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery
Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Wadison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URAH J. VIRGIN, —838—
CANAL ST.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Oklahoma.

Barteldes Seed Co
FLORAL DEPARTMENT

Cut Flowers and Funeral Designs.

Oklahoma City, Okla.

Milwaukee, Wis.

The Wisconsin Floral Co.

122 Grand Avenue.

Will take care of your
Wisconsin and Western States Orders.

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Albany, N. Y.

Under the auspices of the Children's Home Garden committee, a creditable exhibition of flowers and vegetables grown by children in the public schools was held in Washington park on Saturday afternoon, September 21. Previous to announcing the awards the officers of the Albany Woman's Club, which is responsible for the movement, made short addresses. A committee of the club visited over 500 of the children's gardens in various parts of the city during the week beginning September 8.

R. D.

FISHER'S ISLAND, N. Y.—F. M. Van Name, who started a wholesale, retail and landscaping business here April 1, 1912, reports a busy season. Improvements going on and to take place on many of the Island estates promise plenty of business in the future.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 748

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

WITTBOLD'S

New Display Rooms, 56 E. Randolph Street
CHICAGO

Flowers Palms Decorations
Rented or Sold

Phones:—Randolph 4708 Nursery, Rogers
Park 227; Evanston 829; Wilmette 658

Rockford, Ill.

H. W. Buckbee.

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				
Pot	Leaves	In. high.	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50
3-in.	5	12.....		2 00
4-in.	5	15.....	\$ 0 35	4 00
5-in.	6 to 7	18.....	50	6 00
6-in.	6 to 7	24.....	1 00	12 00
6-in.	6 to 7	26 in. high.....	1 25	15 00
6-in.	6 to 7	28 to 30.....	1 50	18 00
Cedar tub Leaves				
		In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.....	2 50	30 00
9-in.	6 to 7	40 to 45.....	4 00	48 00
9-in.	6 to 7	42 to 48.....	5 00	
9-in.	6 to 7	48 to 54.....	6 00	
9-in.	6 to 7	5 ft.....	8 00	
9-in.	6 to 7	6 to 7 ft.....	10 00	
Cocos Weddelliana				
Pot	In. high		Per 100	
2½-in.	8 to 10.....		\$10 00	
Areca Lutescens				
9 in.	Several	5 ft.....		\$7 50

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36.....	\$ 2 50	\$30 00
7-in.	4	36 to 40.....	3 00	36 00
9-in.	4	40 to 42.....	4 00	48 00
9-in.	4	42 to 48.....	5 00	60 00
9-in.	4	48 to 54.....	6 00	
12 in.	4	5 ft.....	7 50	
12 in.	4	5½ to 6½ ft.....	15 00	
Phoenix Roebelenii				
Pot			Each	
5-in.,	nicely characterized.....		\$1 00	
6-in.,	18 to 20-in. spread.....		1 50	
Cedar tub				
	High	Spread	Each	
7-in.	18-in.	24-in.....	\$2 00	
Cibotium Schlegelii				
Cedar tub	Spread		Each	
7-in.	2 to 2½ feet.....		\$2 00	
9-in.	4 feet.....		4 00	
9-in.	5 feet.....		5 00	
9-in.	6 feet.....		6 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station, Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted, carefully packed—to reach you in good growing condition.

November delivery—S. A. Nutt, \$12.50 per 1000.

Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus in season. Send for lists.

ALBERT M. HERR, LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon	6 00	50 00
May Day	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK 250 AT 1,000 RATE.

DES PLAINES FLORAL CO. DES PLAINES, ILL.

Begonia Glory OF CININNATI

250 strong plants in 3½-inch pots, ready for 6-inch pots, \$40.00 per hundred.

A. SUNDERBRUCH'S SONS, CINCINNATI, O.

Freezing Weather Is Near!!!

Buy your Decorative Stock while we can still make freight shipments. Our stock never was finer.

Araucaria Excelsa.—4-inch, 8 to 10-in. high, 2 to 3 whorls, each, 50c; per doz., \$5.50.

Bay Trees.—We still have a few choice Baby and Full Standards. Write.

Chrysanthemums —Bush plants suitable for show. Ask for varieties, size and prices.

Begonia Lorraine.—4-inch, each 50c; per doz., \$5.00.

Palms.—Choice stock in all sizes of Kentias, Latanias, Phoenix Roebeleni and Pandanus Veitchi. Ask for prices on sizes to suit.

Primula Malacoides.—2½-in., per doz., 75c.; per 100, \$4.00.

N. B.—Our new importation of Boxwood, Oct. 25th to 30th.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress,	\$6.00	\$50.00
Enchantress,	6.00	50.00
C. W. Ward,	6.00	50.00
Pink Delight,	6.00	50.00

F. F. SCHEEL,

SCHERMERVILLE, ILL.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Millford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich., returning from Saskatchewan.

ROCKFORD, ILL.—Condon Bros. have nearly completed their new warehouse, which will contain an acre of floor space.

THE best methods of handling gladiolus bulbs are described in Crawford and Van Fleet's gladiolus book, price \$1.25.

CHICAGO.—Prices on the Board of Trade September 25 for grass seed were noted as follows: Timothy, \$3.50 to \$4.75 per 100 pounds.

DR. ROGER T. VAUGHAN and wife, Chicago, are rejoicing in the arrival of a baby daughter, Margaret Louise, September 25. Dr. Vaughan is the elder son of J. C. Vaughan.

SECRETARY KENDEL of the American Seed Trade Association has just mailed to members the report of the thirtieth annual convention held at the Hotel Sherman, Chicago, June 25-27.

COTTAGE HILL, FLA.—The Pensacola Seed and Nursery Co., has incorporated with a capital stock of \$25,000. W. V. Vincent is president and S. D. Beringer secretary and treasurer.

A. EMERICH, representing Vilmorin-Andrieux & Co., Paris, France, whose intended sailing to the United States September 21 was recorded in last week's issue, expects to arrive in New York September 28. Mr. Emerich's headquarters while in New York will be care of H. Frank Darrow, 26 Barclay street.

Catalogue Postage at Pound Rates.

The same privilege in the method of mailing printed matter, without disturbing present rates, which magazines and newspapers now enjoy, has long been sought for mail order houses and especially for florists, nurserymen and seedsmen who issue catalogues. The importance to catalogue houses of this privilege of mailing in bulk and of paying postage upon the actual weight of the matter mailed rather than upon the present basis of the postage rate for an ounce, though but a small fraction of an ounce may be involved, is readily apparent to all concerned.

In this connection a bill introduced before congress by Representative William Sulzer of New York (H. R. 26357) is of general interest. Section three, which was prepared by the head of the McFarland Publicity Service, Harrisburg, Pa., at the request of Mr. Sulzer, provides that hereafter matter now available as third-class matter, if offered at any postoffice in quantities of not less than five pounds at one time, shall be available at ten cents per pound or fraction thereof.

NEW YORK.—Carl Cropp, of Vaughan's Seed Store, Chicago, with Mrs. Cropp, arrived from Europe September 21. Miss E. Heskett, also of this firm's western house, is a visitor this week.

Potato Crop Heavy.

The white potato crop, judging from conditions at September 1, was estimated at 87.2 per cent of a full crop by the September Crop Reporter. This was a big gain over 1911, when the percentage was only 59.8, and also a substantial increase over the ten-year average of 79.6. The report shows that the potato acreage for the United States is 3,689,000. The estimated yield is 108 bushels an acre, which shows the crop to be a bumper one and much above the average. In 1911 the yield was 80.9 bushels and the 1906-1910 average was 96.8. The government estimates the entire crop at 398,000,000 bushels for this year, an increase of more than a hundred million over last season, according to the Reporter. Oregon leads in average yield with 101 per cent of a full crop. Montana is second with 99. The states of Pennsylvania, West Virginia, Indiana, Minnesota, North Dakota, South Dakota, Kentucky, Montana, Wyoming, Arizona, Utah, Nevada, Idaho, Washington and California each has a percentage of 90 or more. The far-western division leads with an average of 92.9 per cent. It was estimated that the price per bushel for the entire United States was 65 cents.

Packet Seeds.

In a bulletin on the "Germination of Packeted Vegetable Seeds" issued by the Bureau of Plant Industry of the Department of Agriculture, B. T. Galloway, chief of the bureau, has the following:

"During the past five years a series of tests has been carried on to determine the vitality of packeted vegetable seeds. Germination tests have been made of 18,571 packets, about one-third of them having been purchased from mail-order houses in 1911, and the other two-thirds bought at local stores where box seeds were sold, in 1907, 1908, 1909 and 1910. The germination of the mail-order and box seeds was 77.5 and 60.5 per cent, respectively. The seeds purchased from different mail-order houses were more nearly uniform in quality than the box seeds. The average germination of box seeds put up by one firm for four years was less than one-half that of those put up by another firm. The low vitality of many of the seeds tested is the best evidence that such seeds should be sold with a guaranty as to the percentage of germination."

In the same bulletin under the heading "Germination of Seeds Should Be Guaranteed," we find another interesting paragraph: "The sale of packeted vegetable seeds will not be on a proper basis until each packet is labeled with the percentage of live seed which it contains. This practice would do away with the trade in seeds of low vitality and at the same time give the purchaser the information to which he is entitled and without which he can not use to the best advantage the seeds he buys."

[Prof. Galloway will no doubt explain clearly his use of the word "guarantee." A paid scientist like himself should not use words loosely as a layman might. Is it his idea to guarantee the crop or refund the money paid? Does he know what the word guarantee used in this connection means? How would he like to be a crop-guaranteeing seed dealer?—Ed.]

Lancaster Florists' Club.

At the first meeting there was a fine display of mums from Rudolph Nagle, also some choice carnations from Amos Rohrer. The president, A. M. Herr, gave a short talk on the S. A. F. meeting in which he deplored the fact that he had never seen any notices in the trade papers of bequests being left to this society. He urged the members of this club to support the S. A. F., saying that "it takes money these days to accomplish anything, and this trade will never take its proper place in the world until we have a permanent headquarters, preferably in Washington, with our secretary always there and ready for business, with power to employ legal or other talent whenever it is to the best interests of the trade to do so. This club will want to attend the International Flower Show next spring almost in a body, and then will be a good time to join the S. A. F. Some day the powers that be will wake up to the fact that money in an association of this kind is best invested when spent for the general good and when this awakening comes the more there is to spend the quicker will be the results."

Considerable enthusiasm was created and it is likely there will be a good representation at the show next spring from this club. In a general discussion for the betterment of our own club it was decided to have the monthly notices open to any announcements by would-be purchasers or sellers of stock of any kind in a local way only. A committee was appointed for the purpose of arranging visiting tours among the various growers during the season, and the programme committee gave a programme up to and including the January meeting.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons
ROCHESTER, N. Y.

Direct Importations

Fall and Spring Shipments

Valley Plps. Berlin & Hamburg grades
Azaleas, Palms, Bays, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Manetti. Jap Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE
17 Murray Street, NEW YORK

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

DUTCH BULBS NOW IN

SEND A LIST OF WHAT YOU NEED.

We can quote you a price that will suit your purse.
Our bulbs are the best money can buy.

F. O. FRANZEN, 1476-78 Summerdale Ave., CHICAGO.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas,
Tomatoes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.



H. WREDE, LUNEBURG, GERMANY

PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed....25c
1 oz.\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

J. C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan
and Wisconsin.

MILFORD, CONN.

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London market.
For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinberg, Germany

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale Farm. **Bristol, Pa.**

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid. - Oklahoma

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pumpkin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - -	\$9.50
In lots of 500 lbs., - -	9.25
In lots of 1000 lbs., - -	9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

FIELD-GROWN

Carnation Plants

2,400 Winsor, 150 White Perfection, 450 White Lawson, 300 Rose Pink Enchantress. Any of the above, \$4.00 per 100, or \$35.00 per 1000. These plants are well branched and first-class in every respect.

Violets, good strong 2-in. Dorsets, \$2.00 per 100.
Heliotrope, strong 4-in., \$5.00 per 100.

All of the above stock is clean and healthy and we make the above prices in order to move it quickly. Address

ADDEMS, MORGAN & CO.
PAXTON, ILL.

FERNS.

	Per 100
Amerpohli, 4-in. extra fine	\$15.00
Whitmanii, 4-in.	15.00
Whitmanii 3-in. ready for shift....	8.00
Whitmanii, 2-in. " "	5.00
Elegantissima, improved 2-in.	4.00

DAISIES.

Yellow, the best winter flowering variety
4-in. ready for 6-in. 10c
3-in. " " 5-in. 8c
White, the best large flowered winter
blooming variety; the best one we have
ever found.
4-in. strong..... 10c

Randolph & McClements
5936 Penn Ave., PITTSBURGH, PA.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

Boston Ferns...

\$3.00 per 100..... \$30.00 per 1000
Whitmanii Compacta (new), to take the place of
Whitmanii. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.
Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

QUALITY SEED BULBS
SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

ALL FALL BULBS MOVING NOW : :

French Romans	Per 1000
11-15 (2200 to case).....	\$22.00
12-15 (2000 to case).....	25.00

Lilium Harrisii	Per 1000
5-7-inch (400 bulbs to case).....	\$35.00

Callas.	Per 1000
1¼-1½-inch (Calif. grown) ...	\$50.00

Dutch Hyacinths	Per 1000
First Size, Named Varieties....	\$55.00
Second Size " "	35.00
Bedding Grade.....	22.00

Narcissus	Per 1000
Emperor.....	\$12 00
Golden Spur.....	12.00
Princeps.....	6.00
Victoria.....	12.00
Single Incomparable.....	7.00
Poeticus.....	4.50
Von Sion Double Fancy Select	12.50

Narcissus Paper Whites	
Grandiflora	Per 1000
Fancy (1250 bulbs to case).....	\$ 9.00
Star (1000 bulbs to case).....	11.50

Freesias.	Per 1000
French Mammoth.....	\$10.00
Purity Mammoth	25.00
Purity, extra size.....	20.00
Purity, first size.....	17.50

Tulips (Single)	Per 1000
Artus.....	\$ 6.25
Chrysolora.....	6.00
Cottage Maid.....	7.25
Keizerskroon.....	9.00
La Reine.....	6.50
Proserpine.....	18 00
Yellow Prince.....	6.50

Tulips (Double)	Per 1000
La Candeur.....	\$ 8.75
Murillo.....	8.00
Tournesol Red and Yellow ...	17.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

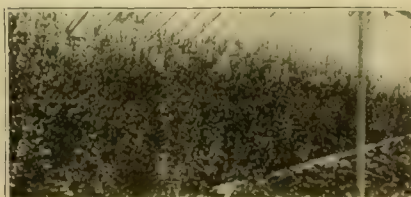
SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions,
Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias,
Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes,
Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect
and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage
paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds,
and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Mention the American Florist when writing



Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50. Cash, please. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

Vegetable Plans

Cabbage, Wakefield, Succession, All Head, Early
and Late Drumhead, Early Summer, Winnig-
stadt, Surehead, etc., at \$1.00 per 1000; 10,000
and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa,
2-in., per 100, \$2.00. New Double Daisy, Mrs. F.
Sander, 2-in., per 100, \$2.50. Cryptomeria Japon-
ica, 2-in., per 100, \$5.00. Asparagus Plumosus,
2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good
stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Decorative Plants

Bay Trees and Box Trees

Extra Fine Stock, and Big Bargains at the Prices Quoted.

BOXWOODS

ASK FOR PRICES.

EUNYMYUS VARIEGATED.

Silver and Golden, 2½-in. 50c per doz.



Boston Ferns

	Each	Doz.
5-in.	\$0.25	\$3.00
6-in.	.50	6.00
7-in.	.75	9.00
8-in.	1.00	12.00
9-in.	1.50	18.00
Upwards	\$2.00 to \$2.50 each and up	

ROOSEVELT FERNS.

6-in.	50c each
7-in.	75c each

	Each	Doz.
Araucaria Excelsa.	\$0.50	\$6.00
4-in., 2 to 3 tiers.	1.50	18.00
7-in., 4 to 5 tiers.		

Assorted Ferns for Dishes
\$3.00 per 100.

	Each	Doz.
Ficus Repens (Climbing).	\$0.50	

	Each	Doz.
Ficus Elastica.	\$0.35	\$4.20
5-inch.	.50	6.00
6-inch.		
7-inch branching.	\$0.75 and 1.00	

	Doz.	Per 100
Latania Borbonica.	\$3.00	\$20.00
5-inch.	5.00	
6-inch.	9.00	

	Doz.	Per 100
Areca Lutescens.	\$2.00	\$15.00
3 n., 3 plants to pot.	3.00	25.00
4 n., 3 plants in pot.		
6-in.	Each, 1.50	

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 in.	\$1.50
3-in.	4 to 5	8 to 10 in.	2.00
4-in.	4	12 in.	3.60
4-in.	4 to 5	12 to 15 in.	4.50
5-in.	5 to 6	15 to 18 in.	6.00
5-in.	5 to 6	18 to 20 in.	\$0.75
6-in.	6 to 7	20 to 22 in.	1.00
6-in.	6 to 7	22 to 24 in.	1.50
7-in.	6 to 7	24 to 26 in.	1.75
7-in.	6 to 7	26 to 28 in.	2.00
7-in.	6 to 7	28 to 30 in.	2.50
8-in.	7 to 8	40 to 45 in.	5.50
9-in.	7 to 8	48 to 50 in.	8.00
9-in.	7 to 8	50 to 54 in.	10.00

Made-up.

7-in., 3 in a pot, 28 to 30 inches high. each \$2.50

PHOENIX CANARIENSIS.

	Each	Doz.	Per 100
7-inch pots, 40 to 44-in. high.		\$2.50	
8-inch pots, 46 to 50 in. high.		4.00	
9-inch pots, 50 to 54 in. high.		8.00	
10-inch pots, 60 to 64 in. high.		10.00	

PHOENIX RECLINATA.

	Each	Doz.	Per 100
4-in.	\$3.00	\$20.00	
5-in.	5.00	40.00	
6-in.	\$0.75	9.00	
7-in. pots, 24 inches high, 3 in a pot, each		\$1.50	

PHOENIX ROEBELENI.

	Each	Doz.	Per 100
2½-in.		\$2.00	\$15.00
6-in.		12.00	
6-in. strong.		18.00	
7-in.	each \$4.00		
8-in.	each 5.00		

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 to 10 in.	\$1.50
3-in.	4 to 5	12 to 14 in.	2.00
4-in.	4 to 5	14 to 16 in.	4.50
5-in.	5 to 6	16 to 18 in.	6.00
5-in.	5 to 6	20 to 24 in.	\$0.75
6-in.	5 to 6	24 to 30 in.	1.00
6-in.	5 to 6	30 to 36 in.	1.50
7-in.	5 to 6	36 to 38 in.	2.50
7-in. strong.	5 to 6	36 to 40 in.	3.00
8-in.	5 to 6	40 to 44 in.	5.00
8-in.	6 to 7	46 to 50 in.	7.00
9-in.	6 to 7	60 in.	8.00

Made-up.

	Each	Doz.	Per 100
7-in., 3 to 4 in a pot, 24 to 30 inches high.		\$2.50	
9-in., 3 to 5		50 to 54	8.00
10-in., 4 to 5		58 to 60	10.00
12-in., 4		62 to 70	15.00

Cocos Weddelliana.

	Doz.	Per 100
2 inch.	\$1.75	\$14.00

Primula Chinensis.

	Doz.	Per 100
4-in.	\$1.50	

Primula Obconica.

	Doz.	Per 100
4-in.	\$1.50	

BAY TREES

ASK FOR PRICES.

Aspidistras.

Variegated. Per Leaf .15



Dracaena Indivisa.

The best plant for the center of cemetery vases.
2½-in. \$2.50 per 100
4-inch. \$1.50 per doz.; \$10.00 per 100
5-in. \$3.00 per doz.
6-in. \$0.50 each, \$6.00 per doz.
8-in., beautiful specimens, 3ft. high. \$1.50 each

Cyperus Alternifolius.

	Doz.	Per 100
4-inch.	1.50	10.00
Cycas Revoluta	50c, 75c, \$1.00, \$1.50, and \$2.00 each.	

Pandanus Veitchii.

	Each	Doz.	Each	Doz.
4-in.	\$0.50	\$5.50	6-in.	\$1.00
5-in.	.75	9.00		\$12.00

Pandanus Utilis.

	Doz.	Per 100
3-in.	\$1.50	

Asparagus Plumosus.

	Doz.	Per 100
2 inch.	\$3.00	\$30.00
3-inch.	6.00	60.00
4-inch.		\$1.50

The Geo. Wittbold Co.

737 Buckingham Place,

Phone:
Graceland 1112.

CHICAGO

Mention the American Florist when writing

A. N. Pierson, Inc.
Wholesale Florists
CROMWELL, - CONN.

—For the Best New and Standard—
DAHLIAS
—Address—
Peacock Dahlia Farms,
P. O. Berlin, N. J. Williamstown Junc., N. J.

FERN S.
Boston, Whitman and Scholzell
from bench, 10 and 15 cents, now
ready for 5 and 6 inch pots. 5 and
6 inch Boston and Scholzell grown
in pots, 25 and 40 cents.
THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

THE BOOK OF GLADIOLUS



THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120-page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Mention the American Florist when writing

FOR SALE.

Surplus shrubs for fall planting. Large stock. Rose of Sharon, Deutzia—Pride of Rochester, Forsythia, Spirea Anthony Waterer, Weigela, three varieties. 25c each.

Kerria Japonica, 15c each.

All F. O. B. Southampton Station. No charge made for packing for cash orders.

Chas. E. Frankenbach & Sons,
SOUTHAMPTON, N. Y.

Wheeling, W. Va.

John Dieckmann, a local grower, had a fine exhibit at the state fair and secured a number of prizes. Mr. Dieckmann has a fine range of about 60,000 square feet of glass near Wheeling Park and his stock, particularly carnations, looks fine. He is yet a young man, but has built up a fine business.

Among the striking public improvements of Wheeling is a splendid new market house of brick and steel now under construction. We judge that many of the florists who do a market business will there find much more commodious quarters.

Wm. F. Zane & Son, who are located on the Island, have just erected a new house. Mrs. Zane is an active participant in the business and her forty-four years of experience in this one location makes her invaluable.

The fine residence section in the vicinity of Mt. Calvary and Wheeling Park is now beautiful with salvias, hydrangeas and other flowering stock. The landscape features of this section are alone worthy of a visit.

Arthur Langhans' retail store is one of the very attractive features of Chapline street. He had a large amount of funeral work on the occasion of the sudden death of Mayor Schmidt of Wheeling.

The Misses Forbes and Donahey continue to do a good business and their store on Market street is always attractive.

Frank C. Seibert, proprietor of the Echo Dell Greenhouses, is just finishing two new houses and is showing good stock.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorative purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories
Sidney, Ohio

NURSERY STOCK FOR FALL PLANTING.

Now is the Time to Order.

Our stock is choice as it is chiefly grown for the Particular Retail Trade which insists on quality.

Deutzia Gracilis. Grand for forcing. 8-inch pot grown plants, 70 to 80 flowering branches, only 30c each; \$3.00 per doz.; \$20.00 per 100. Also some extra bushy field-grown plants in assorted sizes.

Othello Plum. Cannot be excelled as a decorative variety. Has the finest kind of purple foliage. Prunus Pissardi froze last winter. The Othello was not injured. See our catalog for sizes and prices.

Fruit Trees. Extra large specimens. Apple, Pear and Cherries at bargain prices. Ask for list.

Chicago **Vaughan's Seed Store** New York
Greenhouses and Nursery at Western Springs, Ill.

Pansy Plants.

Best strain on the market. **Doisies** (Bellis) Forget-Me-Not, Sweet William, Gaillardia, Coreopsis, Delphiniums, Hardy Pinks, Foxgloves. Fine plants. \$2.50 per 1,000. 5,000 for \$10.00.

Hollyhocks, double, in colors. 50 cts. per 100. \$4.00 per 1,000.

Primulas, Asparagus Plumosus and Sprengeri. Fine plants. 2½ in. \$2.00 per 100, \$5.00 per 300.

Smilax. Strong, bushy plants. 2½ in. \$1.50 per 100, \$12.50 per 1,000.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants.

Harlowarden, Lady Bountiful, Sangamo, Windsor \$45.00 per 1000.

Enchantress, White Enchantress, Mrs. Ward, Dorothy Gordon, White Wonder, \$50.00 per 1000.

O. P. Bassett, and Beacon, \$50.00 per 1000.

One Thousand Lady Campbell Violet Plants, \$6.00 per 100 or \$50.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), **Chrysolora**, (Yellow), \$1.00 per dozen.

ELI CROSS, Grand Rapids, Mich.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides Chinese, Forbesi, Obconica Alba, Rosea, Lilac, Rubra, Hybrida Compacta, Carmine, Blue, Sangunea, Giant Rosea Giant Mixed, Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100.

CARNATIONS, FIELD.

Harlowarden, Enchantress and Rose Pink, \$4.00 per 100.

FERNS.

From bench. Boston, Whitmani, Elegantis sima, 4-in. 10c; 5-in. 12c. Scholzei, Amerpohl 3-in. 8c; 4-in. 12c.

—Cash.—

BYER BROS., Chambersburg, Pa.
Mention the American Florist when writing

Field-Grown Carnations

Limestone land. No stem rot.

R. P. Enchantress, Enchantress, Victory.
\$6.00 per 100; \$55.00 per 1000.

White Enchantress,
\$7.00 per 100; \$5.00 per 1000.

250 at 1000 rate. Cash, please
W. Fargo, U. S. and American Express

JNO. F. SABRANSKY, Kenton, Ohio

Mention the American Florist when writing

Two Important New Commercial Ferns

Cyrtomium Rochfordianum

(The Crested Holly Fern)

The most valuable Decorative Fern of recent introduction.

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which makes it valuable not only as a dish Fern but decorative work and for apartment use.

2 1/4-inch pots 75c per dozen, \$5.00 per 100, \$40.00 per 1000;
4-inch pots \$2.00 per dozen, \$15.00 per 100. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

(The Glory Fern or Rum Von Mordrecht)

The Fern which will revolutionize the cut frond business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety, and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

Anyone who successfully grows the ordinary varieties of Adiantum, such as Cuneatum, Croweanum, and Hybridum, can grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants, 2 1/4-inch pots, at \$2.00 per dozen, \$15.00 per 100, \$140.00 per 1000.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.



Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University. Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica,		
Alba, Rosea	\$1 50	\$15 00
Gigantea—All from 2 1/4 pots.....	2 00	
Asp. Plumosus, 2 1/4 pots.....	2 00	18 00
" Sprengeri.....	2 00	15 00
" Plumosus Seedling.....	1 00	7 50
" Sprengeri.....	1 00	6 00
Vinca Variegata field plants Cut		
back.....	5 00	
Fancy Plants, Giant flowering....		2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes.....	@ \$4.00
3 foot.....	6.00
6 in. Birch Bark.....	1.00

Order a few of each size

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - - - -	\$12.00
White Wonder, - - - - -	8.00
White Perfection, - - - - -	7.00
Rose Pink Enchantress, - - - - -	7.00
Beacon, - - - - -	7.00
Bonfire, - - - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - - INDIANA.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Zanesville, O.

J. D. Imlay has within the past year established another range of 25,000 square feet of glass, at South Zanesville, which with his old range, near the fair grounds, brings his total glass area up to 50,000 square feet or more. The new range comprises two houses, 30 x 300 feet each, with smaller houses. A large concrete boiler house and work rooms have also been erected and all the work is substantial and well adapted to successful growing. He has a good retail store on North Fifth street.

The Zanesville potteries have attracted so much attention in the horticultural world that it is possible the florists have been to some extent overlooked. Again, it may be that the florists have taken so much pride in the great potteries of their city that they have been content to remain in the background, leaving it to others to extol their activities. Having recently visited Zanesville, the writer will give a few facts concerning both the florist and the pottery industries.

Peters & Reed, who are noted for their good red pots, are now busy packing and shipping. They are now bringing out new and very handsome designs in store vases and hanging pots, the latter being fine imitations of baskets. The work is novel and unique and retailers would do well to see them before stocking up.

Although C. L. Humphrey has only been in business about five years he has been very successful. He has now 50,000 square feet of glass and in addition to his local trade in cut flowers and plants has established an extensive plant shipping business. At present he is shipping fine stock of asparagus sprengeri.

J. T. Goodlive has a considerable glass area near Greenwood Cemetery and has a large cemetery trade. He has also a flower and seed store on North Fourth street.

The business formerly known as F. C. McCaslin, on McIntire street, is now McCaslin Brothers; they have good stock coming on.

Canton, O.

J. R. Cowgill has a finely equipped retail store at 306 West Tuscarawas street. In fact, in all its appointments it is superior to many of the metropolitan stores. Mr. Cowgill, like his brother, V. Austin Cowgill, the Salem grower, is a very energetic and wide-awake young man, with twentieth century ideas.

Charles Blaner, who succeeded C. W. Faust at the Georgetown Road Greenhouses, is showing himself a good grower and turns out much stock.

A. T. Pollard, formerly of Worcester, Mass., recently opened a retail store on West Fifth street and has been turning out good design work.

Please Take Notice!

OUR MOTTO: WE BELIEVE.

We believe in American business methods. We believe in our customers. We believe that truth is an asset, and that our word is as good as our bond. We believe that the best is none too good for our customers. This ends our liability in selling only the best.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5 1/4 to 5 1/2 in. pots, 2-3 years old, 3-4 tiers, 14-15 in. high, 40c to 50c; 5 1/2 to 6 in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6 in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6 in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7 in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glauca and Robusta Compacta, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6 in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6 in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 26 to 28 inches high, \$1.00 to \$1.25.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.25, and \$1.50.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4 in., 25c; 5 1/2 in., 50c.

Kentia Forsteriana, 5 1/2 to 6 in. pots, 25 to 28 in. high, 50c to 60c; 4 1/2 in., 18 to 20 inches high, 35c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana, 6 in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.

Cocos Weddelliana Palms, single, 3 in. pots, 15c, 18c and 20c.

Arecia Lutescens Palms, made up of 3 plants, 4 in., 20c to 25c; 5 1/4 in., made up of 3 plants, 35c.

Aspidistras, variegated, 6 in. pots, 15c per leaf; green, 6 in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corpha Australis Palms, 5 in. pots, 20 in. high, 35c.

Asparagus Plumosus and **Sprengeri**, large 4 in. \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/4 in., \$3.00 per 100.

Asparagus Sprengeri, 2 1/2 in., \$4.00 per 100.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5 1/4-6-7 in. pots, 25c-35c-50c.

Ficus Elastica, Belgium or American stock, 5-5 1/2 in., 30c, 35c to 40c; 6 in., 50c; 7 in., 75c.

Poinsettias, 4 in., 20c.

Primula Obconica Grandiflora, good strain, assorted, 4 in., \$4.00 per 100; 5 1/2 in., \$2.50 per doz.

Primula Chinensis, John F. Rupp strain, assorted, 4 in., \$10.00 per 100; 5 1/4 in., only \$2.50 per doz.

Jerusalem Cherries (Solanum), 6 in., 25c, 35c, 50c.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Begonias Gloire de Lorraine and **Lonsdale**, pink, large 4 in., 30c to 35c; 5 1/2 to 6 in. pots, 50c, 75c to \$1.00. **Glory of Cincinnati**, 4 in., 40c to 45c.

Adiantum Hybridum, 4 in. pots, 15c; large 4 in., 20c.

Ferns.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old dark houses bring fungus and make spindly plants.

Neph Giatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4 in., 20c; 5 1/2 to 6 in. pots, 35c, 40c and 50c; 7 in., 75c.

Neph. Scottii, 4 in., 20c; 5 in., 35c; 5 1/2 to 6 in., 40c to 50c; 7 in., 75c.

Boston, 8 in., 75c to \$1.00; 7 in., 75c; 5 1/2 to 6 in., 40c to 50c; 5 in., 35c; 4 in., 20c.

Neph. Elegantissima Compacta, 6 in., 50c.

Neph. Scholzei, 6 in., 50c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2 1/2 in. **Dish Ferns**, now ready, \$4.00 per 100.

6 in. dishes, made up of **Wilsons Ferns**, one large **Dracaena Terminalis** in center, 50c.

6 in. pans made up of 3 in. **Wilsons Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Binghamton, N. Y., Sept. 3rd, 1912.
Mr. Godfrey Aschmann, Philadelphia:

Dear Sir:—Your shipment of Palms, Plants and Ferns arrived in fine shape. I certainly am well pleased with all stock you send me, and I will send you another order.

S. W. BACKER, Billy the Florist.
93 Front St., Binghamton, N. Y.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants:

"Sept. 14th, 1912.
"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices. Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants, 1012 W. Ontario Street, PHILADELPHIA, PA.

Mention the American Florist when writing

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine Extra Strong 2 1/2 in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2 1/2 in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

NEWPORT, R. I.—The Newport Horticultural Society's annual fall exhibition was held September 14.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ives are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Mention the American Florist when writing

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best."

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings, 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....

.....\$3 each; 30 per dozen: \$200 per 100
Croton Punctata, 3-inch pots, heavy, \$20 per 100
Croton Punctata, 4-inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....\$4, \$5, \$6 and \$7.50 each

Branch plants, exceptionally fine, at.....\$2, \$2.50, \$3, \$3.50, \$4, and \$5 each

Nephrolepis Elegantissima Improved.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.

2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.

2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen
11-inch tubs.....\$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Glatrasii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.
6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scotti.

Our stock is in superb condition.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....\$15 and \$18 per dozen

10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlii.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.

4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlii.

The above variety is a greatly improved Amerpohlii. It is a compact form, much finer than Amerpohlii and does not break down in the center. The fronds are carried on wiry

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2½-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 100

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeaoides—London Fern.

A good, strong grower and one we think very highly of.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 per dozen; \$90 per 100
9-in. and 10-in. tubs.....\$18, \$24 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scotti holds to the old Boston.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
8-inch pots, very heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantissima Compacta

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape.
2½-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO.

49th and Market Sts.,

PHILADELPHIA, PA.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Wonder.

\$10.00 per 100; \$90.00 per 1,000.

White Enchantress, Beacon,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

VAUGHAN'S PEONIES.

Plant now; stock of our own growing, strictly true to name, strong divisions of 3 to 4 eyes each.

	Each	Doz.	100
Charlemagne. Very large shell pink.....	\$25	\$2 40	\$18 00
Duchess de Nemours (Calot). Cup shaped, sulphur.....	20	2 00	15 00
white.....	20	2 00	15 00
Duchess de Nemours (Guernin). Bright pink.....	20	2 00	15 00
Festiva Maxima. Immense white, spotted red.....	20	2 00	15 00
Kohinoor. Splendid shell pink.....	20	1 80	12 00
La Tulipe. Delicate rose tipped carmine.....	20	2 00	15 00
Mathilde Mechin. Ball-shaped French pink.....	30	3 00	20 00
M. Dupont. Ivory white, carmine border.....	35	3 60	
M. du Ribert. Rosy magenta.....	20	1 80	
Mme. de Galhau. Soft flesh pink.....	20	2 00	15 00
Modeste Guerin. Large bright carmine.....	20	2 00	
Fulcherrima. Beautiful flesh pink.....	15	1 50	10 00

CASE LOTS.

Double Pink, Red, and White, equally divided, and separated. 200 roots, 3 to 5 eyes, for \$18.00; TWO for \$35.00.

Cases cannot be divided.

ASK FOR OUR COMPLETE LIST.

CHICAGO VAUGHAN'S SEED STORE, NEW YORK

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6,550 2½-in. Maryland, own root.....\$35.00 per 1000 400 2½-in. Bulgarie, own root.....\$40.00 per 1000
1,700 3½-in. Maryland, own root.....\$50.00 per 1000 750 3½-in. Bulgarie, grafted.....\$38.00 per 1000

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1000 Per 100 Per 1000
6,000 Rose Pink Enchantress.....\$6.00 \$50.00 1,000 Delight.....\$6.00 \$50.00
5,000 Lawson.....\$6.00 \$50.00 800 Bright Spot.....\$6.00 \$50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Mushroom Culture.

It is surprising that with all the constant advice in regard to mushroom growing so few are really produced. The fact is, much of the advice given is misleading. The writer has come across claims that ladies can make money at mushroom growing, or that they can be easily grown in a basement, cellar or shed by any one. Such statements are far from the truth and are inclined to hurt rather than increase the popularity of mushroom culture. The fact is, there is much labor necessary and the requirements are exacting. The one who bears this in mind and enters prepared is more likely to succeed than he who looks for a snap. In the first place we must have a building where we can control temperature and moisture. Allowing 50° as a minimum and 60° as a maximum, we must control air currents, for any rapid circulation would carry off the needed moisture, which is not easily replaced. Next, we must have fair facilities for handling earth and manure in and out and last, our place should be such that other and more valuable things are not damaged, as the work is carried on. Light is unnecessary. Drip from overhead is ruinous as well as flooding from below. A good time to begin is as early in the fall as the summer heat breaks down a little. Fresh horse manure is used and it requires some time—about three weeks. We pile it rather flat to prevent violent burning and turn every two days, turning the inside out and vice versa until the rank heat is gone.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Mushroom Spawn

New Crop ENGLISH



Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00
100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,

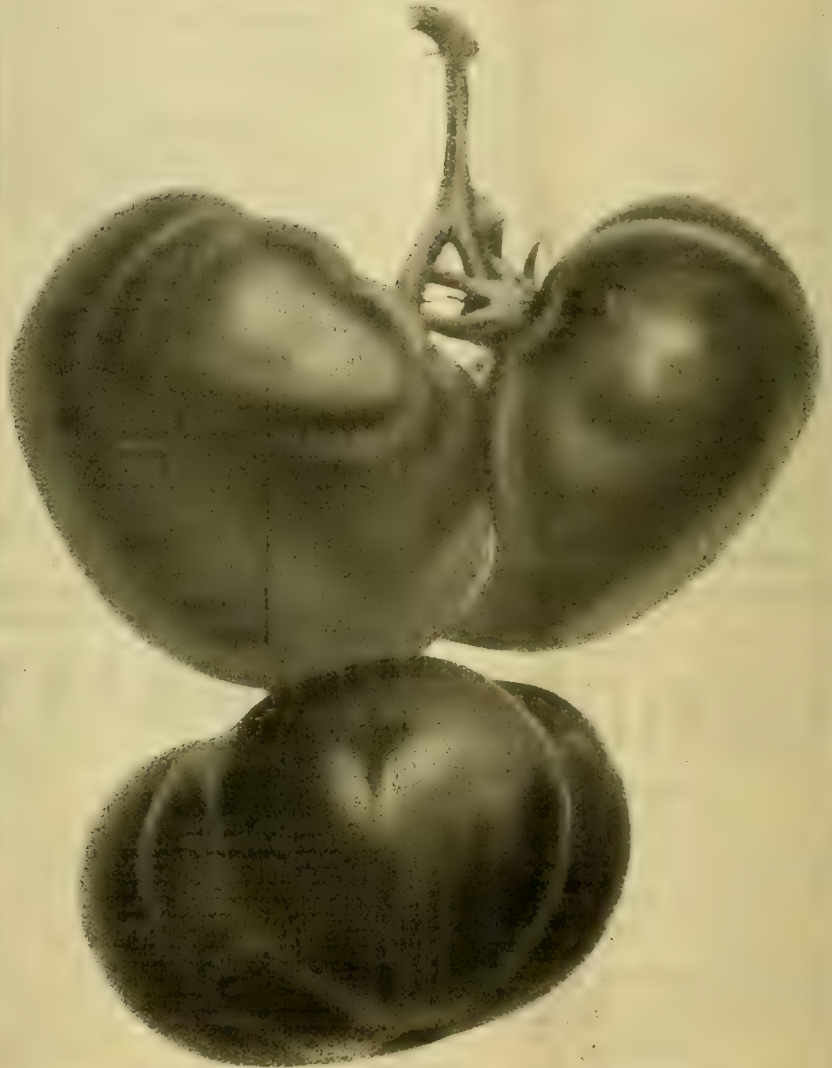
31 and 33 W. Randolph St., CHICAGO.

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



A Novelty Which Is to Create a Remarkable Sensation
Is the New Variety of

TOMATO DAVY'S MILLIONAIRE

This new variety will take its place amongst the earliest sorts. The fruits are enormous, very fleshy, nearly free of seeds, almost smooth, of a deep scarlet color, and borne in clusters of three or four.

The giant size, earliness and the quality of the fruit will render this variety one of the very best introductions of the year.

DAVY, Arpajon, (S & O), France

A. BACHELOT, Traveling Representative in America.

Mr. Bachelot's headquarters are in care of The American Express Co., 65 Broadway, New York. Kindly write to that address for arrangements or quotations.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diebach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissner , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	Mlle Rene Bessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens, fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachei , deep crimson-purple, one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatier , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower, stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmata , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosa , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - **Newark, New York.**
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.
BALTIMORE, MD.

First Aid to Buyers Fall List of Best Roses

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Lady Hillingdon Roses

Fine 2 1/2-inch plants, \$1.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.
Harrisii, an improved *Bostoniensis*. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each.
Giatrasi, 8-in. pots, \$1.00 each; 3 1/2-in. pots, 15 cents each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.
Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3 1/2-in. pots, 15c. each.

Magnifica, 3 1/2-in. pots, 25c each; 6-in., 75c. ea.
Asparagus Plumosus Nanus, 2 1/4-in. pots, \$4.00 per 100.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots: \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Freesias. French-grown.

Mammoth bulbs, 3/4-in. and up., \$12.00 per 1000
Extra sized bulbs, 1/2 to 3/4-in. 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Azaleas

Best Standard Commercial Varieties.

New importations ready in October.

	Per doz.	Per 100
Plants 10-12 in. in diameter.....	\$ 6.00	\$ 40.00
Plants 12-14 in. in diameter.....	9.00	50.00
Plants 14-16 in. in diameter.....	12.00	70.00
Plants 16-18 in. in diameter.....	15.00	100.00

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

MARLIN, TEX.—The Texas Nurserymen's Association met here September 10-11.

BIRMINGHAM, ALA.—The Birmingham Nurseries Co. has incorporated with a capital stock of \$2,000. W. H. Kessler is president.

FRANKFORT, KY.—J. E. Barton, state forester, will start a tree nursery on twenty acres adjoining the fair grounds probably this fall.

ON November 13 a representative of each of the 120 counties in Kentucky will plant a tree on the capitol grounds in Frankfort.

MARLIN, TEX.—At the recent meeting of the Texas Nurserymen's Association O. K. Phillips was elected president and J. H. Ramsey secretary and treasurer.

CLEVELAND, O.—E. A. Reeves, the "peony king," and his wife have donated six thousand roots of this plant to the city for use in the parks and on the municipal peony farm.

PROF. E. R. LAKE, 3333 Twentieth street, n. w., Washington, D. C., has been appointed secretary of the American Pomological Society for the unexpired term of the late Prof. John Craig.

FT. PAYNE, ALA.—The Wills Valley Nursery Co. has filed articles of incorporation. The capital stock will be \$100,000 and the officers will be in this city. Officers and directors are: Oscar V. Case, president; Nathan W. Hale, vice-president; A. L. Smith, secretary and treasurer.

LOS ANGELES, CALIF.—The Gibraltar Investment Co., which owns the largest olive nurseries in the world, has recently added to its holdings by the purchase of 23 more nurseries, making more than 30 altogether owned by this company, which has recently completed arrangements for the planting and propagating of 5,000,000 olive trees.

Forestry as a Profession.

"The Profession of Forestry" is the title of a circular by Henry S. Graves, forester, of the United States Department of Agriculture, that is likely to prove of great interest to the young man taking up this profession or contemplating doing so. The article briefly reviews the history of forestry in this country and goes on to say that to become a competent forester a college education equal to that required for the law and other professions is essential.

"The character of work which the forester is called upon to do varies greatly under different conditions," says Mr. Graves. "Some men spend the greater part of their time in the more strictly technical work of the profession. They study such problems as the determination of the amount of merchantable timber on a given tract, its rate of growth, the best methods of cutting to secure a second crop without recourse to planting, and, in general, all problems which deal with the life history and production of the forest. Other men spend more time

on the business end of the profession, in devising methods of protecting the forest from fire, in organizing an efficient system of administration, in determining the cheapest and most effective methods of lumbering, and, in general, in dealing with the problem of the utilization of the forest.

"By far the greater number of foresters, however, have to deal with both the scientific and the business aspects of the profession. They must know how to appraise the value of timber and how to utilize it in the best possible way, as well as how to grow it. They must be able to estimate how much it will cost a thousand feet to log a given tract of timber, at the same time that they predict how soon it will be profitable to cut the same area again. In other words, the average forester must be a good business man, with a thorough technical education. The scientific equipment is simply a matter of thorough schooling; the business equipment must be secured by practical experience in woods work.

"The first requisites for the successful forester are that he have a liking

for the sort of life which he will have to lead, and that he possess the health and constitution to stand it. The forester's work is physically exacting. He has to make long, hard trips in the forest, and under present conditions and those which will continue for a long time to come travel is necessarily rough. Sometimes it means a long trip on horseback, sometimes by canoe, and sometimes very hard and rough walking. The forester is not infrequently subject to actual physical hardships, and in any event he must have the constitution to endure such hardships should the occasion arise.

"Foresters are now finding employment with the Federal Government, with various States, with lumbermen and other private owners of timberland, and with educational institutions and those conducting research in forestry. So far the United States Government has been the principal employer of foresters. It is probable that fully 95 per cent of the trained foresters in the country have at one time or another been engaged in government work, and 60 per cent or more are in it today."

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. *All goods F. O. B. your city.*

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



Try
Us
Out

On the job
day and night

SEASONABLE STOCK

Primula Obconica Gigantea (Arendsii), Fine Hybrids in new mixture and named colors, \$3.00 per 100; \$25.00 per 1000.
Primula Kewensis, \$3.00 per 100; 3-inch pots, \$5.00 per 100.
Primula Malecooides (New Baby), \$3.00 per 100, \$25.00 per 1000.
Poinsettias, strong 3 in. pot plants at \$7.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
Cibotium Scheidei (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Selaginella Emillana, 2 1/2-inch pots, \$3.50 per 100.
Swainsona Galegifolia Alba, 3-inch pot plants, \$8.00 per 100.
Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size $6\frac{1}{2} \times 4\frac{1}{2}$.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Street, Chicago.

Saves Your Printed Matter and Postage.



THE American Florist Company's Directory saves many times its price to every one who catalogues or circularizes even a small part of the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor. Contains 646 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

AMERICAN FLORIST COMPANY

440 South Dearborn Street, CHICAGO.

Sent postpaid at \$3.00 a copy by the publishers.

Index to Advertisers.

Adams Morgan & Co. 604
 Advance Co. The. 621
 Alpha Floral Co. 597
 American Spawm Co. 610
 American Wooden Ware Mfg Co. 111
 Amling E C Co. 591
 Anderson S A. 597
 Andorra Nurseries. 609
 Angermueller G H. 592
 Aphine Mfg Co. 622
 Aschmann Godfrey. 608
 Atlanta Floral Co. 600
 Auburndale Gold Fish Co. 587
 Bader Ino & Co. 607
 Badgley Reidel & Meyer, Inc. 595
 Barrows H H & Son. 604
 Barteldes Seed Co. 600
 Bassett & Washburn. 584
 Bayersdorfer H. 621
 Beaven E A. 596
 Berning H G. 592
 Berterman Bros Co. 598
 Bide & Sons S. 608
 Black Chas. 604
 Bobbink & Atkins. 612
 Boddington A T. 604
 Bodger J & Sons Co. 603
 Boland J B Co. 597
 Bolgiano J & Sons. 603
 Bowe M A. 599
 Boynton Furnace Co. 614
 Brazilian Seed Grow Co. 602
 Brecht Co. The. 111
 Breitmeyer's J Sons. 598
 Brown Alfred J Seed Co. 602
 Bruns H N. 111
 Buckbee H W. 600
 Budlong J A. 588
 Burnett Bros. 111
 Burpee W A & Co. 111
 Byer Bros. 606
 Caldwell the Woodsman Co. 596
 Camp Conduit Co. 622
 Chicago Carn Co. 1
 Chicago Flower Growers Assn. 589
 Chicago House Wrecking Co. 624
 Clark E B Seed Co. 603
 Clark's Sons David. 599
 Cleveland Cut Flower Co. 599
 Conrad & Jones. 611
 Cooke Geo H. 597
 Cotsonas Geo & Co. 596
 Cowee W J. 623
 Coy H C Seed Co. 603
 Craig Robt Co. 609
 Critchell C E. 593
 Cross Eli. 6
 Crump Frank F. 598
 Cunningham Jos H. 609
 Daniels & Fisher. 599
 Dards Chas. 598
 Day. 610
 Day. 596
 Deamud J B Co. 590
 DeGiorgi Bros. 601
 DesPlaines Flor Co. 604
 Detroit Flower Pot Mfg. 111
 Dietsch A & Co. 111
 Diller Caskey & Keen. 619
 Dillon J L. 611
 Dingee & Conard Co. 609
 Dörner F & Sons. 607
 Dreer H A. 111
 Duerr Chas A. 600
 Dunlop John H. 599
 Dwelle-Kaiser Co. The. 620
 Eagle Machine Wks. 620
 Edwards Folding Box. 614
 Elliott W H. 593
 Emmans Geo M. 607
 Erie Floral Co. 1
 Erne & Klingel. 590
 Esperance L Nurs. 608
 Eyres H G. 599
 Fish Henry Seed Co. 603
 Florists' Hail Assn. 621
 Florists Tel. Delvy. 598
 Foley Mfg Co. 111

Ford M C. 595
 Fottler, Fiske, Rawson Co. 11
 Frankenbach Chas E & Sons. 606
 Franklin Davis Nursery Co. 611
 Franzen F O. 603
 Freeman Mrs J B. 600
 Freeman & Sons. 6
 Friedel E. 596
 Froment H E. 595
 Galvin Thos F. 599
 Garland G M. 621
 Gasser J M Co. 599
 Geny Bros. 600
 Giblin & Co. 623
 Gillies Litho & Print Co. 612
 Good & Reese Co. 1
 Gorham & Chapline. 621
 Grand Rapids Flower Co. 599
 Growers Cut Flower Co. 595
 Gude Bros. 598
 Gunther Bros. 595
 Habermann Chas. 600
 Hatcher, Florist. 600
 Haven Seed Co. The. 603
 Heacock Jos Co. 601
 Heintz John & Son. 597
 Henderson A & Co. 608
 Herr Albert M. 601
 Herrmann A. 623
 Hess & Swoboda. 600
 Hesse & Co. 603
 Hews A H & Co. 111
 Hillinger Bros. 111
 Hines E Lumber Co. 620
 Hitchings & Co. 620
 Hoerber Bros. 591
 Hoffman Flo Artist. 599
 Hoffmeister Flo Co. 598
 Holm & Olson. 598
 Holton & Hunkel Co. 592
 Home Cor School. 607
 Hooker H M Co. 620
 Hunt E H. 591
 Hurff Edgar F. 623
 Igoo Bros. 614
 Illinois Pipe Mfg Co. 622
 International Heater Co. 623
 Interstate Tob Co. 622
 Isbell S M & Co. 11
 Jackson & Perkins. 611
 Johnson J Oliver. 603
 Johnson WW & Son. 11
 Jones Percy. 583
 Kasting W F Co. 593
 Keller Geo & Sons. 111
 Keller JB & Sons. 600
 Kellogg Geo M. 597
 Kennicott Bros. 591
 Kervan Co The. 595
 Kessler W A. 595
 Kift Robt. 599
 King Construct Co. 619
 Kohr A F. 111
 Kramer I N & Son. 622
 Kroeschell Bros Co. 621
 Kruchten John. 591
 Kuehn C A. 592
 Kuhl Geo A. 607
 Kyle & Foerster. 591
 La Rosse Floral Co. 600
 Lager & Hurrell. 1
 Lange A. 597
 Landreth Seed Co. 603
 Lecakes N L & Co. 595
 Lederer John. 623
 Leedle Floral Co. 611
 Lelache Emil. 593
 Leonard Seed Co. 603
 McCallum Co. 593
 McConnell Alex. 597
 McCoy L W. 600
 McCullough's J M Sons Co. 593
 McHutchinson & Co. 603
 McKellar Chas W. 589
 McKenna P & Son. 599
 Mangel. 597
 Mann Otto. 603
 Marshall W E & Co. 594
 Mastin J G & Co. 624
 Masur S. 597
 Matthews Florist. 599
 May & Co L L. 597
 Meconi Paul. 595
 Metropolitan Mat Co. 621

Mette Henry. 604
 Meyer John C & Co. 596
 Michigan Cut Flo Exchange. 596
 Miller E S. 608
 Moninger J C Co. 624
 Moore, Hentz & Nash. 595
 Morehead Mfg Co. 623
 Mt Gilead Pottery Co. 111
 Munk Floral Co. 592
 Murray Samuel. 598
 Myers Florist. 600
 Nat Flo B of Trade. 614
 N Y Cut Flower Ex. 595
 Niessen Leo Co. 593
 Oechslein Frank. 607
 Oklahoma Seed Gro Co. 605
 Palmer W J & Son. 598
 Park Floral Co. 598
 Peacock Dahlia Fms. 605
 Pedrick Geo & Son. 603
 Pennock-Meehan Co. 595
 Penn the Florist. 598
 Peters & Reed Poty. 111
 Pierce F O Co. 623
 Pierson A N (Inc). 605
 Pierson F R Co. 611
 Pillsbury I L. 614
 Pieters & Wheeler Seed Co. 602
 Pinkston Jas E. 596
 Pittsburg Cut Flo Co. 593
 Podesta & Baldocchi. 599
 Poehlmann Bros Co. 585
 Pollworth CCCo. 592
 Pulverized Manure Co. 622
 Quaker City Machine Works. 614
 Raedlein Basket Co. 588
 Ramsburg. 604
 Randall A L Co. 591
 Rawlings Elmer. 604
 Ready Reference. 615
 Randolph & Mc Clements. 604
 Reed & Keller. 621
 Regan Ptg House. 622
 Reinberg Geo. 591
 Reinberg Peter. 587
 Rice Bros. 592
 Rice & Co. M. 582
 Robinson Co. H M. 594
 Robinson J C Seed Co. 603
 Rock W L Co. 598
 Rohnert Seed Co. 11
 Routzahn Seed Co. 603

Rusch G & Co. 592
 Saakes O C. 599
 Sabransky Jno F. 606
 Saltford Flow Shop. 600
 Scheel F F. 601
 Schiller, the Florist. 600
 Schillo Adam. 623
 Schlatter W & Son. 614
 Schilling Max. 600
 Schmidt J C. 606
 Schultz Jacob. 598
 Scott John. 607
 Seattle Cut Flo Ex. 593
 Shaffer Geo C. 599
 Sharp, Partridge & Co. 670
 Sheridan W F. 595
 Situation & Wants. 584
 Skidelsky S S & Co. 603
 Smith A W & Co. 599
 Smith E D & Co. 622
 Smith & Hemenway. 622
 Smith Henry. 599
 Smith P J. 595
 Smith Wm C. 592
 Smith W & T Co. 1
 Standard Pump & Engine Co. 619
 Stearns Lumber Co. 620
 Stoothoff H A Co. 622
 Storrs & Harrison. 612
 Suderbruch's Sons A Superior Machine & Boiler Works. 624
 Syracuse Pottery Co. 111
 Taylor Steam Trap Co. 623
 Texas Seed & Flower Co. 597
 Thompson Car Co. 606
 Thorburn J M & Co. 11
 Tong & Weeks. 605
 Totty Chas H. 593
 Traendly & Schenck. 595
 Trimble W E. 591
 Greenhouse Co. 591
 Valentine Frank. 597
 Vaughan A L & Co. 585
 Vaughan's Seed Store. 111
 Vestals. 606
 Vick's Sons Jas. 603
 Vincent R Jr. 604
 Virgin N J. 600
 Walker F A & Co. 600
 Wagner Park Cons. 111
 Weber F H. 600
 Weeber & Don. 604
 Weiland & Risch. 591

Welch Bros. 593
 Wertheimer Bros. 11
 Westero Seed & Irrigation Co. 603
 Wiator Bros. 599
 Wilks S Mfg Co. 611
 Williams Mrs E A. 600
 Wilson R G. 597
 Winandy M & Co. 614
 Wisconsin Floral Co. 600
 Wittbold G Co. 597
 Wittbold Henry. 601
 Wolfskill Bros & Morris Goldenson. 599
 Wood B. 607
 Wrede H. 608
 Yokohama Nura Co. 11
 Young A L & Co. 595
 Young & Nugent. 597
 Zech & Mann. 591

No loss if you mend your split carnations with **Superior Carnation STAPLES** 50c per 1000 postpaid.
Wm. Schlatter & Son,
 422 Main St., Springfield, Mass.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.

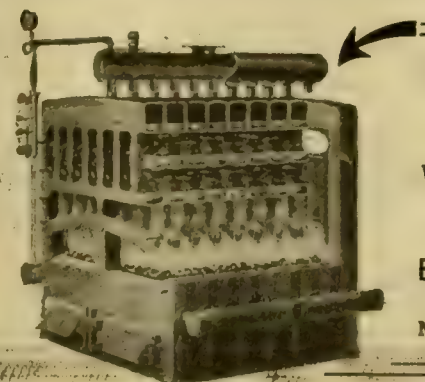
EVANS' Improved Challenge Ventilating Apparatus
 Write for Illustrated Catalog
 Quaker City Machine Works,
 Richmond, Ind

Model Extension Carnation Support
 Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market
 Pat. July 27, '97, May 17, '98
GALVANIZED WIRE ROSE STAKES.
 Write for prices before ordering elsewhere.
 Prompt shipment guaranteed
IGOE BROS.
 266 N. 9th St.
 BROOKLYN, N. Y.

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florist's Board of Trade
 56 PINE STREET : : NEW YORK
 Mention the American Florist when writing

Split Carnations
 Quickly, Easily and Cheaply Mended. No Tools Required.
Pillsbury Carnation Staple
 Patented 1898.
 2000 for \$1.00 postpaid.
I. L. PILLSBURY,
 Galesburg, Ill.
 Mention the American Florist when writing



Boynton Furnace Co.
 SOLE MANUFACTURERS OF
BOYNTON'S WATER and STEAM BOILERS
 FOR HEATING ALL KINDS OF BUILDINGS
 Especially Adapted to Heating Greenhouses

New York { Chicago { Jersey City
 131 W. Lake St

M. WINANDY CO., Mfgs.
 Greenhouse builders and manufacturers of
WINANDY'S NEW BENCH AND HEATING SYSTEM.
 Write for particulars
 6236 N. Lincoln St. CHICAGO

Ready Reference Section.

10 CENTS PER LINE, NET.



AQUATICS.

DISCOUNT TO CLEAN POOL, DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00-100. \$35.00-1,000; second grade, \$3.00-100. \$18.00-1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 8 to 10 ins. high, 2 to 3 whorls, 50c each; \$5.50 per doz. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100; 250 for \$18.75. Plumosus, seedlings, \$1 per 100; \$8 per 1,000. Sprenger, seedlings, 85c per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprenger, 4-in., strong plants, \$7 per 100; \$55 per 1,000. Cash. C. L. Humphrey, Zanesville, O.

Asparagus plumosus and *Sprenger*, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, from 3-in. pots, strong plants ready for 4-in., \$5 per 100; \$45 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Asparagus plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, 75c per 100; \$5 per 1,000. W. H. Elliott, Brighton, Mass.

Asparagus Sprenger, 2-in., \$2.50 per 100. *Asparagus plumosus*, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and *Sprenger*, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas, standard varieties, 10-12 ins. diam., \$6 per doz.; \$40 per 100; 12-14 ins., \$9 per doz.; \$50 per 100; 14-16 ins., \$12 per doz.; \$70 per 100; 16-18 ins., \$15 per doz.; \$100 per 100. F. R. Pierson Co., Tarrytown-on-Hudson.

Azalea indica, Deutsche Perle, Simon Mardner, Ma. Petrick, Verneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas, McHutchison & Co., New York.

Azaleas, W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees, baby and full standards. Vaughan's Seed Store, Chicago and New York.

Bay trees, McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS.

McHenry Ave., Westwood, Cincinnati, O.

Begonia Gloire de Lorraine and *Lonsdale*, 4-in., 30c to 35c. *Glory of Cincinnati*, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 4-in., 50c each; \$5 per doz. Vaughan's Seed Store, Chicago and New York.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood, McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Horseshoe Brand *Lilium Harrisii*. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Purity freesias, Roman hyacinths, Paper White narcissus, Harrisii, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, W. E. Marshall & Co., 166 W. 23d St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Dutch bulbs now in. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs, cold storage lilies. C. O. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, E. S. Miller, Wading River, N. Y.

Bulbs, McHutchison & Co., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

Cannas, \$15 per 1,000 up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1000
Light Pink Enchantress	\$7.00	\$60.00
White Enchantress	8.00	75.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection	8.00	70.00
Dorothy Gordon	7.00	65.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Beautiful	6.00	55.00
Harlowarden	6.00	55.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Strong, Sturdy, Healthy.		
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Pink Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave. Chicago.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Boston Market, nice	\$4.00	\$35.00
White Perfection, medium	5.00	45.00
White Enchantress, nice	5.50	50.00
Rose Pink Enchantress	5.50	50.00
Variegated Lawson	4.50	40.00
Mrs. E. A. Nelson	4.50	40.00
W. H. Taft	4.50	40.00

This stock is ready for immediate shipment. Cash with order, please.

JOS. SCHOOS,

514 Asbury Ave. Evanston, Ill.

Carnations, 2,400 Winsor, 150 W. Perfection, 450 W. Lawson, 300 Rose Pink Enchantress, \$4 per 100; \$35 per 1,000. Addams, Morgan & Co., Paxton, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Conquest, beautiful flesh pink, overlaid with cerise, very free bloomer	\$7.00	\$60.00
May Day, deep flesh pink	6.00	50.00
X-mas Cheer	6.00	50.00

CHICAGO CARNATION CO.,

30 E. Randolph St., Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

FIELD-GROWN CARNATIONS—Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. 20,000 Enchantress, \$5 per 100; \$45 per 1,000. 3,000 Vesper, \$4 per 100; \$35 per 1,000. 3,000 Queen Louise, \$4 per 100; \$35 per 1,000. Cash with order unless your name is on our books. VIRGINIA NURSERY CO., Purcellville, Va.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Winsor	5.00	45.00
Lawson	5.00	45.00
Lady Bountiful	5.00	45.00

Very fine stock. Plants run from 15 to 20 shoots.

UNITED STATES CUT FLOWER CO.,

ELMIRA, N. Y.

LARGE HEALTHY CARNATION PLANTS.

\$5.00 per 100. \$45.00 per 1,000.

White Perfection, Enchantress and Rose Pink Enchantress, \$3.50 per 100 if called for at our place.

EMIL BLAMEUSER,

NILES CENTER, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 500 after 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, field-grown, strong, healthy, fibrous roots, from sandy loam. 2,000 Rose Pink, 750 Pink Enchantress, 900 White Enchantress, 600 Winsor, \$6 per 100; \$50 per 1,000. Cash with order. J. C. Remison Co., Sioux City, Iowa.

LAST CALL FOR CARNATIONS, field-grown plants. A No. 1 stock. Pink Enchantress, \$40 per 1,000. White Perfection, Winsor, \$35 per 1,000. Victory, medium sized plants, \$30 per 1,000. 100 at 1,000 rates. Cash with order. Write for prices on large lots. NORTHWESTERN FLORAL CO., Gross Point, Ill.

Carnations, 2,500 White Perfection, 1,000 Light Pink Enchantress, 600 Victory, 400 Bassett, 300 Mrs. C. W. Ward, 300 Scarlet Glow, 100 Beacon, \$6 per 100; \$50 per 1,000. 900 Pink Delight, \$7 per 100. Cash, please. Harry Heint, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Very choice field-grown Carnations. Enchantress, White Perfection, Georgia, White, R. P. Enchantress, \$4.50 per 100; \$40 per 1,000. Cash. Brant & Noe Floral Co., 5744 Brantwood Ave., Chicago.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, R. P. Enchantress, Enchantress, Victory, \$6 per 100; \$55 per 1,000. White Enchantress, \$7 per 100; \$65 per 1,000. Jno. F. Sabransky, Kenton, O.

Good field-grown Carnation plants, 2,000 Mrs. C. W. Ward, 2,000 Alma Ward, \$50 per 1,000. Campbell, The Florist, Rochester, N. Y.

Carnation plants, 2,000 Queen, 2,000 Georgia, good, large plants, \$5 per 100. Cash with order. F. Fallon, Roanoke, Va.

Carnations. For varieties and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, 1,200 fine large perfectly clean perfection plants, 6c each. Cash with order. N. Zweifel, North Milwaukee, Wis.

Carnations, Enchantress, Alma Ward and Dorothy Gordon, fine plants, \$6 per 100. C. C. Polliworth Co., Milwaukee, Wis.

Carnations, A. M. Herr, Lancaster, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSAANTHEMUMS.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, bush-shaped plants, 6, 7, 8 and 10-in. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, bush plants, Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis, strong, blue and red, \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis, W. & T. Smith Co., Geneva, N. Y.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS.

Dahlias, whole field clumps, \$5 per 100; \$40 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

DAISIES.

Daisies, yellow, 4-in., 10c; 3-in., 8c. White, 4-in., 10c. Randolph & McClements, Pittsburg, Pa.

DRACAENAS.

Dracaena terminalis, finely colored, perfect plants, 7-in. pots, 30 inches high, \$1.50 each. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Dracaena indivisa, fine, well shaped, 6-in., 20c each. Cash. J. C. Remison Co., Sioux City, Iowa.

Dracaena terminalis, 2 1/2-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmons, Newton, N. J.

FERNS.

NEPHROLEPIS HARRISII.

Strong 2 1/2-inch \$ 8.00 per 100
4-inch 20.00 per 100
6-inch 50.00 per 100

Surplus stock. Good value.

J. A. PETERSON & SONS,

Westwood, Cincinnati, Ohio.

Ferns, Whitman, 4-in., 20c; 5 1/2 to 6-in., 35c to 50c; 7-in., 75c. Scott, 4-in., 20c; 5-in., 35c; 5 1/2 and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5 1/2 and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholze, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2 1/2-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

The best of all the Boston ferns, NEPHROLEPIS HARRISII, from 2 1/2-in. pots, \$6 per 100; \$50 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Ferns, from bench, Boston, Whitman, Elegantissima, 4-in., 10c; 5-in., 12c; Scholze, Amerpohl, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

2,000 Boston ferns, 4-in., good strong plants, 100 Whitman, 4-in., extra strong, will make case price for cash as I need the room. Write for prices. Leo Wellenreiter, Danvers, Ill.

Ferns, Boston, Whitman, Scholze, from bench, 10c and 15c; 5 and 6-in., Boston and Scholze, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Amerpohl, 4-in., \$15 per 100. Whitman, 4-in., \$15 per 100; 3-in., \$8 per 100; 2-in., \$5 per 100. Elegantissima, 2-in., \$1 per 100. Randolph & McClements, Pittsburg, Pa.

Obitum Schedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 1-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

BOSTON FERNS, 4-in., 15c; 5-in., 25c; and 6-in., 40c. Excellent stock. EDW. DOEGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2 1/2-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2 1/2-in., \$3.50 per 100; \$30 per 1,000. 500 at 1,000 rate. Frank Oechlin, 4911 Quincy St., Chicago.

Nephrolepis Amerpohl, 4 1/2-in., \$12 per 100. Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweannum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmons, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus repens, 2 1/2-in., 50c each. Elastica, 5-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, Belgium or American stock, 5 1/2-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

"COLORADO GROWN PLANTS BEAT THEM ALL."

100,000 GERANIUMS, Rooted Cuttings, of the best varieties, and finest stock, including Ricard, S. A. Nutt, Viand, Sam Sloan, Poitevine, Javlin, Mary Elitch Long, Perillon, Single and Double White, etc., etc., at \$12.50 per 1,000. Cash or satisfactory reference. Elitch-Long Greenhouses, Denver, Colo.

Geraniums, Nutt, Buchner, Viand, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Viand, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, R. C. S. A. Nutt, \$12.50 per 1,000. Ricard and Poitevine, \$15. A. M. Herr, Lancaster, Pa.

Geraniums, all the leading kinds. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2 1/2-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

GREENS, Green Galax, new crop, \$4 per case of 10,000; half case, \$2.25. Dagger Ferns, 75c per 1,000. W. M. Woodruff & Son, Longap, N. C.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Heavun, Evergreen, Ala.

Greens of all kinds. N. Leckes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Perennials. For varieties and prices see advertisement elsewhere in this issue. Otto Wittbold Nursery, Edgebrook, Chicago, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES

Heliotrope, 4-in., \$5 per 100. Addemus, Morgan & Co., Paxton, Ill.

Heliotrope, A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 4-in. pot-grown, ready for 6-in., 3 to 6 shoots, \$8 per 100. Hydrangea Otaksa, field-grown, 3 to 6 shoots, very strong plants, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 8c cash. J. C. Remison Co., Sioux City, Iowa.

Jerusalem Cherries, fine strong plants, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the valley, Berlin and Hamburg grades, McHutchison & Co., New York.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley, F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

From Storage.

Lily of the valley from cold storage, Brun's Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Brun's, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, Rose of Sharon, Deutzia Prile of Rochester, forsythia, Spirea, Anthony Waterer, Weigela, three varieties, 25c each, Kerria Japonica, 15c each. Chas. E. Frankenbach & Sons, Southampton, N. Y.

Nursery stock, Deutzia Gracilis, 8-in. pot-grown, 70 to 80 flowering branches, 30c each; \$3 per doz.; \$24 per 100. Ortiello plums, apples, pears, and cherries. Vaughan's Seed Store, Chicago and New York.

CATALPA SPECIOSA (genuine) and Black Locust in any size. Exceptionally fine stock. Special price on fall delivery. E. C. PIKE & CO., St. Charles, Ill.

Arbor-Vite, excellent stock, 24 inches and over; Rosedale, Biota aurea nana, a. o., 85c each. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks, English manetti; Japan lilies, raffia. McHutchison & Co., New York.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

Nursery stock, shrubs, roses, hardy herbaceous plants, etc. E. Turbat & Co., Orleans, France.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, Vaughan's Seed Store, Chicago and New York.

PALMS.

A houseful of Cocos Weddelliana, 2 to 2½ ft., extra strong, 4½-inch pots, 50c each. 20 to 24 ins., nine plants, 4-inch pots, 35c each; 15 to 18 ins., 6 to 7 leaves, 3½ inch pots, 25c each. Large bushy plants, 4 in a pot, 2 to 2½ ft., 24 leaves, \$1.50 each. Large bushy plants 2 in a pot, 20 to 22 ins., 60c each. Siebrecht & Son, New Rochelle, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Phoenix Roebelenii, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., New York.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms, Kentias, latanias, Phoenix Roebeleni, Vaughan's Seed Store, Chicago and New York.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

DIFFERENT PANSIES AND WHY.

MASTODON is our name for a genuine American strain of pansies originated by us, and comprising a marvelous number of new shades and varieties, as well as many improved types from other lands. All are of excellent form, of the richest colors, and of great size—up to 3½ inches in diameter. Free color plate catalog. Plants: 100, 50c; 1,000, \$3; 5,000, \$12.50. All prepaid. Perfect order delivery guaranteed in U. S. and Canada. Seed: 1/12 oz., \$1; oz., \$9. STEELE'S MASTODON PANSY GARDENS, Portland, Oregon.

Pansies, best German strain, separate varieties, \$2.50 per 1,000. O. K. Heege, Station S., Seattle, Wash.

Pansy plants, Oct. 1st. 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants, J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttel, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcosia, Mo.

Peonies, good divisions of mixed or separate colors, 5c. Mosbach Greenhouse Co., Onarga, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover pages. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 2-in., \$2 per 100; 3-in., \$4 per 100. New Cluster pepper, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias, 2½-in., \$5 per 100; \$40 per 1,000. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica gigantea, \$3 per 100; \$25 per 1,000. Kewensis, \$3 per 100; 3-in., \$5. Malacoides, \$3 per 100; \$25 per 1,000. Storrs & Harrison Co., Painesville, O.

Primula obconica grandis, 4-in., \$10 per 100. Chinese, Rupp strain, 4-in., \$10 per 100. 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Baby primroses, 2½-in., \$2.25 per 100; \$20 per 1,000. Fine plants from flats, \$1.75 per 100; \$15 per 1,000. Cash please. Mannheim Carnation Co., Mannheim, Pa.

Primula Chinese, 4-in., \$1.50 per doz. Obconica, 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, 2½-in., per doz., 75c; per 100, \$4. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primulas, \$1.50 per 100, 2-in., all kinds. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$20 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, Am. Beauty, Killarney, Richmond, Kaiserin, Bon Silene. W. H. Elliott, Brighton, Mass.

Roses, hybrid perpetual and Ramblers, Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

To close out a fine lot of Perles and Richmond, strong 3-in., \$6 per 100; \$50 per 1,000. C. C. Pollworth Co., Milwaukee, Wis.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Ride & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, 2½-in., Maryland, Carnots, \$4 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

SEEDS.

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest Pink,	Pkts.	Pkts.
" Gracillius luminosa, finest red,	\$2.50	\$0.50
" Triumph, finest white,	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Tomato Davy's Millionaire. Davy, Arpaion (S. & O.), France. A. Bachelot, traveling Representative in America, Care American Express Co., 67 Broadway, N. Y.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$0.50; 500 lbs., \$0.25, 1,000 lbs., \$0. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds. W. E. Marshall & Co., 166 W. 23d St., New York.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Branlan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, strong plants, 2½-in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, good shades, giant pink, white, red and yellow, 2½-in., \$2 per 100; \$18 per 1,000; 500 at 1,000 rate. Cash. Clement S. Levis, Aldan, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmons, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Gov. Herrick Violet plants, extra strong field-grown, big fibrous roots, from sandy loam, \$6 per 100; \$50 per 1,000. Cash with order. J. O. Rennison Co., Sioux City, Iowa.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$8 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

California, Gov. Herrick and Dorset, field-grown plants, \$4.50 per 100. Cash with order. W. F. Duntzman, Bensenville, Ill.

Violets, Gov. Herrick, fieldgrown, \$3 per 100. Byer Bros., Chambersburg, Pa.

Violets, good strong, 2-in. Dorsett, \$2 per 100. Addams, Morgan & Co., Paxton, Ill.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. L. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse Construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Aurnurdale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Easton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John O. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kehr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brechts' Florists' Refrigerators. Write for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Allen, J. K., New York.
Ameling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Reidel & Meyer, Inc., New York.
Bassett & Washburn, Chicago.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Elliott, W. H., Brighton, Mass.
Ford, M. C., New York.
Froment, H. E., New York.
Greater N. Y. Florists' Ass'n., New York.
Growers' Cut Flower Co., New York.
Gunter Bros., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Leckes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Moltz & Co., New York.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust., Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Reichmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Robinson, Henry M. Co., New York.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, P. J., New York.
Smith, Wm. O., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Totty, Chas. H., Madison, N. J.
Trendly & Schenck, New York.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wieler Bros., Chicago.
Winterston Co., Ed., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

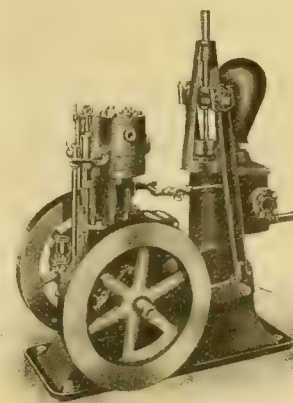
What a Standard Pumping Unit Means to You

Because Standard pumping units were originally designed to meet the water supply problem of the greenhouse and year by year have been gradually improved to meet all conditions, until today they stand as the final solution to that once great problem. This is why the **Standard** pumping units means more to you than any other make, this is the ultimate reason why your equipment is not perfect without a "Standard Direct Pressure Pump."

For years we have unceasingly wrestled with your problems, have tested and perfected one method and then another. Today we hand you the solution. We admit it was a hard theorem, but our solution has proved perfect.

The pumping engine shown here is our perfect product; it is made in a type for every use. It means to you both economy and superior durability, the accessibility of all parts and ease of operation through simplicity of design. Our name is a guarantee of quality and our binding guarantee means to you perfect workmanship, perfect satisfaction, or money refunded.

If you will write us concerning your requirements, we will turn your problem over to experts on water supply systems and have them advise you as to your needs. Our new catalog No. 12 should be in your hands.



The Perfect Solution.

THE STANDARD PUMP AND ENGINE CO.

18 MICHIGAN ST., CLEVELAND, OHIO

Hot-Bed Sash, Too.



KING

Greenhouses

LIGHT,
STRONG,
LASTING.

The Three Prime Qualities.

Iron Frame,
Semi-Iron Frame,
Private Conservatories.

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

Write for Bulletins and
Question Blank.

King Construction Co.,

Home Office and Works:
NORTH TONAWANDA, N. Y.

Boston Office:
Winthrop Bldg., 7 Water Street,
BOSTON, MASS.

Eastern Sales Office:
1181 Broadway, EW YORK



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them.
Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON CUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEFN.

S. W. Corner Sixth and Berk Streets,

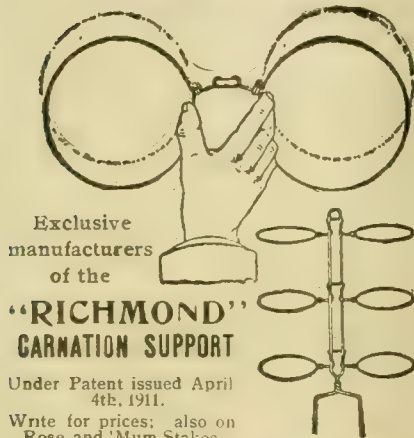
PHILADELPHIA.

VENTILATING
APPARATUS

Mention the American Florist when writing.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste).

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

30 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

GREENHOUSES!

MATERIAL FURNISHED

AND

MEN TO SUPERINTEND

ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FT. OR LONGER.

THE A. T. STEARNS LUMBER CO.,

NEW ORLEANS, BOSTON, MASS.

Mention the American Florist when writing

Pecky Cypress Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

GLASS.

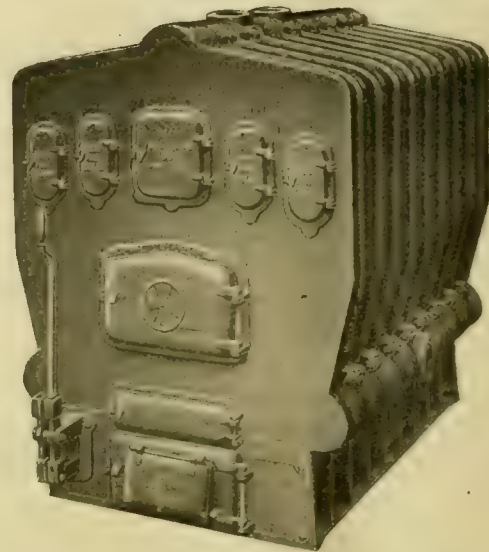
REMEMBER we always have the right
kind and the right prices. Don't fail to
write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880

22nd and Lumber St.

CHICAGO



Comparative Life of Steel Tubular and Cast Iron Boilers.

ONE of our customers near New York who, six years ago,
put in a steel tubular boiler, has never yet had to replace
a tube; while another customer near Philadelphia had to
re-tube the entire boiler and patch the shell in three years' time.

The life of a tubular boiler all depends on the kind of water
in different localities—some destroy the steel slowly—others are
so charged with carbonites and acids as to be speedily destructive.

Steel tubular boilers, due to such causes which are entirely
beyond the control of their makers, are an uncertainty.

Re-tubing steel boilers is an expensive operation.

Cast iron, because of its intensely hard, compact nature, will
greatly outlast several steel boilers, even when the most
destructive water is used.

Cast iron boilers are entirely free from re-tubing or shell-
patching expense. If your range is so large that a tubular boiler
is a necessity, then there is no way to get around it. But if you
have 37,000 square feet of glass or less, then our cast iron
boilers are unquestionably by far the **cheapest boilers to
install, operate and keep in repair.**

It's a serious mistake to get the wrong boiler.

It would be a good, sound, sensible thing to do, to have a
talk with us and get our advice as heating engineer experts, on
what boiler you ought to have.

Hitchings & Co.,
Elizabeth, New Jersey.

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

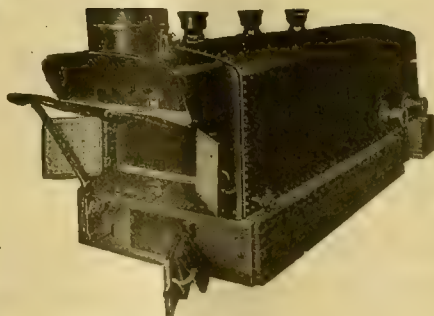
H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

CAN SHIP ANY SIZE AT ONCE



ORDER
NOW

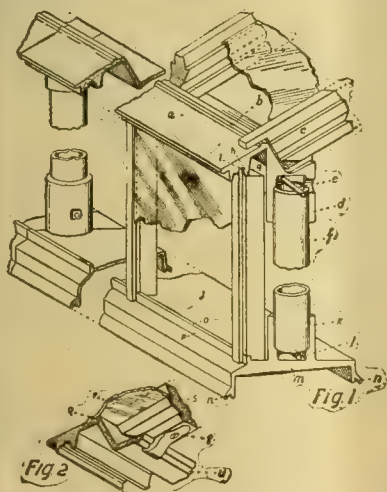
Telegraph Order

Kroeschell Bros. Co.
452 West ERIE ST., CHICAGO

THE KROESCHELL GENERATOR should be on every Hot Water Heating System—It speeds up the circulation. SEND FOR CATALOGUE.

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.

Mention the American Florist when writing

REED & KELLER,

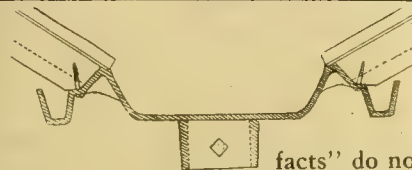
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing



JANUARY

is a cold month, but all "cold facts" do not come in January. It is a cold fact that you are obliged to replace your wooden gutter from time to time, which means not only the cost of a new gutter, but the expense of remodeling your houses. Get a **GARLAND GUTTER**, which, when you set it up, is there to stay. They do not rot out. Will last a lifetime. Write today for prices and literature to

GEO. M. GARLAND CO., Lock Box S, DES PLAINES, ILL.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes,
Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.
Send for our new catalogue.

Mention the American Florist when writing



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide. Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and black fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing

FERTILENE, The Idea Plant Food

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one half pound, 30c. Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

Mention the American Florist when writing

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street,

CHICAGO

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

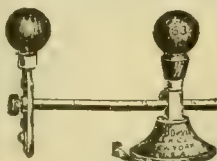
Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago



A "Red Devil" Glass Cutter

That will cut PERFECT CIRCLES

2-in. to 20-in. in any kind of glass. If you have circular lights in your greenhouse you should have one of these "Red Devil" Circular Glass Cutters handy at all times. Your local hardware dealer has it. Ask for "Red Devil" No. 263, but if you can't get it locally, send us \$1.25 and one sample only will be sent postpaid.

SMITH & HEMENWAY CO., 105 Chambers Street, N. Y., U. S. A.

"RED DEVIL" TOOLS are Sold throughout the world

Black flies and green flies are easy to kill with

"TIP TOP" BRAND TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

WRITE FOR SAMPLES

\$3 per 100 lb. bag

Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.

1397-1399 Ave. A, New York.

Mention the American Florist when writing



Pulverized or Shredded

Cattle Manure

Pulverized

Sheep Manure

Unequalled for Greenhouse Fertilizing.

Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.

32 Union Stock Yards, Chicago

Mention the American Florist when writing

VAUGHAN'S



No. 2. Large single

thick glass.

No. 2 1/2. Double

thick.

Price, per 1000, 55c.

by mail, 70c; 5,000,

by express, \$2.50

VAUGHAN'S

SEED STORE

Chicago, New York

Mention the American Florist when writing



SIEBERT'S ZINC

Never Rust

GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, 3/4 and 1/2, 40c per lb., by mail 10c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMMENTS, Florists, 5936 Penn Ave., near Highland, Pittsburgh, Pa.

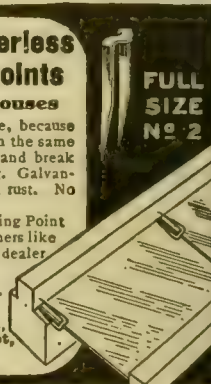
Mention the American Florist when writing

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER, 714 Chestnut Street, Philadelphia.



FULL SIZE No. 2

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottoms and Sides. Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO., Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

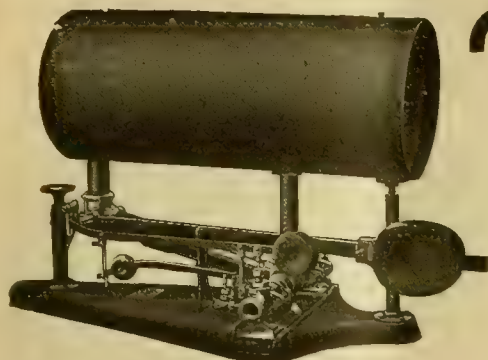
CATALOGUES

OUR SPECIALTY

WRITE FOR FIGURES

527 Plymouth Place,

CHICAGO



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F.O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

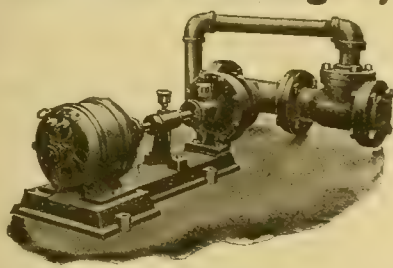
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

Peerless Refrigerators

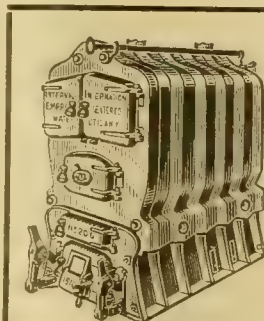
Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing



Describe a First-Class Greenhouse heater.

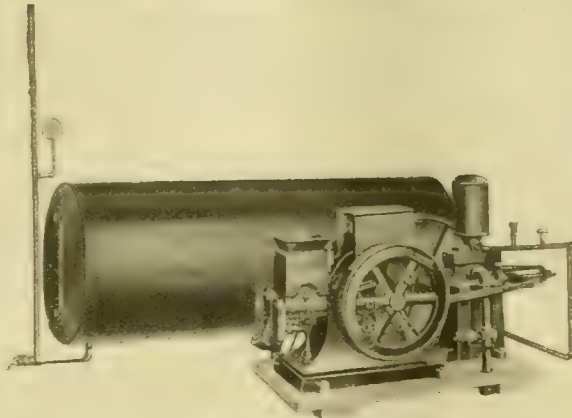
Fuel capacity for the longest winter.

Simple enough to be fool proof and conservatively rated.

That is the **INTERNATIONAL Empress Boiler** to a dot.

If you haven't one already, write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.



Moninger Watering Systems

The kind that does more than you expect and keeps it up for a long time. It is perfectly designed mechanically and especially so for greenhouse work. The system complete makes one of lasting and good qualities. Let us hear from you about your new one.

SYSTEM No. 6

Has a large capacity complete with Engine, Pump, Pneumatic Tank, Pipe, Fittings, Valves, etc., for \$225 00.

BOOK No. 11 TELLS ALL ABOUT IT.

When It's MONINGER'S It's the Genuine Article.

John C. Moninger Co.,

902 Blackhawk St., CHICAGO.

EVERYTHING FOR THE GREENHOUSE



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base,

14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price\$4.90
4C12005, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.

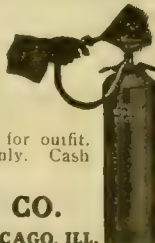
CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.50 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

"FOR THE BEST RESULTS"

Use a Superior Return Flue Boiler for Greenhouse Heating

J. Jaeger, a User, Says This About a No. 5 Superior Boiler :

CHICAGO, ILL. , March 12, 1912.

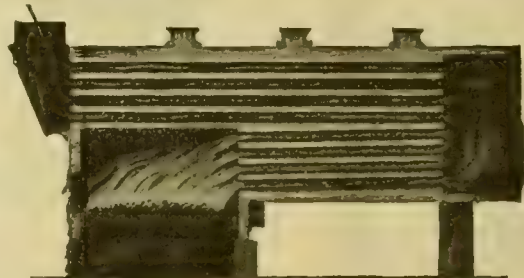
SUPERIOR MACHINE & BOILER WORKS, Chicago, Ill.:

Dear Sirs:— Herewith I will let you know that I am perfectly satisfied with the Superior No. 5 Boiler. I have tried several others, but have never been as well pleased as with the Superior.

Yours truly,

[Signed]

J. JAEGER, 7554 Barton St.



SEND FOR CATALOGUE

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Mention the American Florist when writing

PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

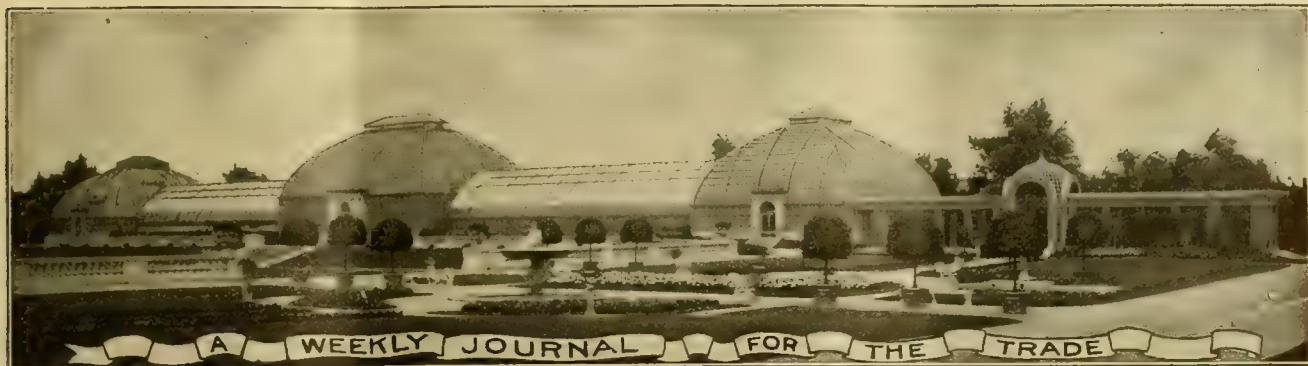
Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA



THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, OCTOBER 5, 1912.

No. 1270

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Hydrangeas.

The hydrangea plants in the field should be now potted and made ready for winter quarters. If the plants have still a strong succulent growth they can be left standing out where the wood will be given a chance to ripen off. After potting they should be given a good watering that the soil may be settled around the roots, but after that the plants should be sparingly watered. The main object at this time is to harden the plants off and ripen them up. Never mind if the foliage wilts to some extent, for it is desirable that this should all drop off before storing away for the winter. A few frosts will be of benefit, but as the weather is uncertain they should be placed in a position where they can be conveniently covered and protected from a severe freeze. While it is desirable to harden up the wood and plump up the flowering bud yet too hard a freeze will kill the bud. As soon as well ripened they should be placed in cool quarters, where they will remain dormant until it is time to start them.

Cannas.

As soon as the frost kills the cannas, preparations should be made for the storing of the stock plants for next year. The tops should be cut off about six inches above the ground and removed from the field and not left lying around to attract cut worm millers. The roots should be dug and each variety should be carefully kept separate so that there will be no chance of their being mixed another season. Unless the weather is very severe they can be allowed to dry off a little before being housed, but if there is any chance of the night temperature dropping below the freezing point it is much better to get them under safe covering at once. Under a bench in a cool house is one of the best places to keep them during the winter months, but if the soil under the bench is inclined to be moist, boards better be placed running lengthwise of the bench and the canna roots placed upon these. They must, however, be looked over occasionally to

see that they do not run too dry, for there is just as much danger of losing the plants by their drying up as there is by their rotting from an excess of moisture. In placing the clumps under the bench set each variety by itself and leave space enough between it and another variety that it will be impossible, no matter what may happen, for them to get mixed. Mark each variety with a label, written plainly and in full. It takes but a few seconds longer to write the name in full and abbreviations are to be deprecated; we have known cases where the man who always does things in a hurry to abbreviate the names so short that when he tried to read them six months later he could not make out what name he intended to write. This is often a case where "haste makes waste." Attach the labels in such a manner that they will not become misplaced or lost.

Early Firing.

"Economy is wealth." This maxim has been drilled into the young for generations, but false economy is waste. And to put off starting the fires until all the plants have cold feet, and have received a check that is going to take them two or three months from which to recover is false economy. As soon as the temperature in the house drops below the point at which they should be maintained, it well pays to start the fires. Many nights at this time of the year at 8 o'clock the temperature outside will be above 60°, but by morning it has dropped to 40°, and if the houses are closed the glass will be covered with moisture, the house cold and damp. This condition is not at all conducive to good growth, and gives the plant a check from which it often takes it some time to recover. It is far better and a money-making proposition to have the fires going and the proper temperatures maintained. The small expense of a little coal burned and the few weeks' wages of a night foreman that are necessary will be more than made up in the excellence of the crop. At this season of the year there will occur cold, stormy days when a little heat will be necessary to keep up the growing temperature

Index to Advertisers,
Page 668

Ready Reference Advt.s,
Page 669

Help and Situations Wanted,
Advertisements,
Page 635

all day. This is the time to look over all the piping and see if the boilers are working right. If steam heat is used see that none of the pipes have dropped from their fastenings and have made pockets in the circulation. If this has happened, fasten them up and straighten out the flows. Turn on the valves and see if they leak, and if they do repack them; in fact, it is good policy to repack all valves every fall, whether they actually need it or not, for they will require it before the winter is over. This early firing will also give the opportunity to spread sulphur and nicotine extracts on the pipes and keep the insects and mildew from getting a foothold. Looking at this question from all sides, early firing is an economical proposition and should not be neglected.

Autumn Thoughts.

Down in the far off hazy west
The autumn sun is sinking low,
And on each tree-top hill and crest
With autumn tints the landscapes glow.
Those colors there which feast the eye
Show signs of winter drawing nigh.

After a summer fierce and grand
To be remembered for its drought,
When on the parched and famished land
Plant life showed signs of giving out.
When mildewed rose and blistered leaf
To many a gardener's heart brought grief.

Sweet peas looked promising in May
And tennis lawns were in their prime,
But July shriveled blooms away
And spoilt the verdure for some time.
Hay crops around were very light
For thermometers stood at 50° all night.

Skyward the lettuce crops soon bolted
And the garden peas fell sick,
Whilst seaside lodging house keepers gloated
For visitors came fast and thick.
But though to them 'twas profit bringing
For rain the gardeners started singing.

July was hot, but August hotter,
Now the fat crop gives out,
Herbaceous plants show signs of totter
And wild eyed cooks began to spout.
For of vegetables there's not half enough
And if not stringy, well, they're tough.

August, the month of flower shows,
For gardeners brought but failure,
For famished plants stood up in rows
And 'twas enough to 'maze yer:
To see the water giving out
With thirsty trees and things about.

On lasts the drouth all through September
And green stuff scarcer grows each day,
The housewife always will remember
What for a cabbage she had to pay,
And when next winter snowstorms are howling
Let us hope she will refrain from growling.

October's in, no rain has hurried
To refresh the dusty soil,
The gardener's face is sad and worried
As he views his dally toil.
His usual crops are all amiss
- And pity fills his mind - "Not bliss."

But when he gazes round on nature
Lo! he's in his paradise,
For each day a changing feature
In the landscape charms his eyes;
Hills and haws big bushes bending
Leaves in color never ending.

Azalea beds with colors glowing
That would crotons put to shame,
Quercus, Ulmus, Fagus blowing
Leaves of color, none the same,
Whilst such crops of berries sure
No one living saw before.

Soon will frost plant growth be ending
And old nature fall to resting,
On gardener's skill each day depending
And his past foresight a testing,
When for garden produce cooks do cry
Let's hope each want you can supply.

Quickly now the nights are closing,
Shorter each day grows the light,
For next year's crops your ground be choosing,
Prepare it well, then stock it right,
Let drouth nor rain your heart dismay
Overcome all! 'tis a gardener's way.

-Ed. A. Norris in Journal of British Gardener's Association.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The Cotillion Supper Table.

Arrange a large oval flat basket with white hydrangeas, using generously of maidenhair ferns for the edge around the basket. Use asparagus vines around the edge of the table, caught up at intervals with white satin ribbons. On either side along the table use cut glass bowls filled with maidenhair ferns. In the center place a tall white candle with a white satin shade. Use asparagus vines in and out and around these cut glass bowls. These bowls will also look pretty arranged with red berries, using a mat of maidenhair ferns. Or, white hydrangeas could be advantageously grouped around the bowls, but must not cluster close to them—a space should be left between the garland and bowl. Again, instead of white hydrangeas the pink variety can be prettily used, combining them with pink roses and maidenhair ferns. Instead of the flower garland a satin ribbon garland can be used, clustering a bunch of roses in the centers and ends. Also, the berries used in combination with the white hydrangeas are pretty. This can be offset with autumn foliage.

A. E. KLUNGER.

More Tumbler Baskets.

In our issue of September 21 there appeared an article on "Tumbler Baskets" from one of our contributors which proved to be unusually interesting. In the accompanying illustrations may be seen two more of the baskets which have become extremely popular in the last twelvemonth.

These receptacles are especially desirable to fill with cheap flowers, generally in combination, for sale to the customer whose purse will not stand the strain of a heavy purchase. They may be placed in the window or on the end of the counter and are sure to attract attention. For special sales or for window displays they fill a place of their own. As already stated, they gain their name from the fact that they are made to hold a small cup or tumbler. The tumbler is filled with water and the flowers placed in in a bunch. Oftentimes the glass is first filled with sphagnum moss and the water poured in before the basket is made up. A ribbon on the handle is usually the finishing touch. The flowers, being always in the water, are pretty sure to keep in good condition until disposed of. The baskets themselves are made in many designs and sell usually at from about 88 to twice that amount a hundred.

For a Cotillion Decoration.

Suspend from the ceiling at generous intervals Japanese parasols. Cover them completely with white satin, handles and all. Arrange a pyramid effect of pink roses around the outer center. Do not cover the entire parasol with roses but use garlands of them instead. On the ends put a cluster of small roses. Stretch from each parasol pink satin ribbon streamers, making a bowknot from the center of each. From this bowknot suspend a ring of pink roses. Intersperse between these parasols Moorish hanging lamps. On the walls arrange massive garlands of pink roses and asparagus, making the garland in the middle of a sort of crescent shape and place above this cres-



TUMBLER BASKET OF MRS. WARD ROSES AND YELLOW SNAPDRAGONS.

cent shape white and pink satin flags with the emblems as desired.

Place in the corners the artificially made Colonial rose bushes with a large crown made of pink roses. Group around the tub small potted ferns of different varieties. For favors a sleigh made of pink carnations and drawn by pink satin ribbons in which the different favors can be arranged will be pretty. A suggestion for the favors would be a tiny Dresden flower pot in which a miniature rose bush has been arranged. Flower holders filled with an inexpensive flower are good. So are the canoe favors pretty when arranged with a ribbon so that it can be carried over the arm when dancing. Tiny leghorn hats made of straw and filled with a small flower are excellent. Riding whips on which a cluster of flowers has been arranged with a long loop to throw over the shoulder for the men is good. So are the pipes of the large wood variety, filling the bowl of the pipe with a small flower.

A. E. KLUXER.

FLORISTS' FERNS.

Two Novelties.

Meritorious novelties among commercial ferns have not appeared in very great numbers in the past few years, apart from the various members of the *nephrolepis* group, and most of the latter have arisen from one species, namely, *N. Exaltata*. But the present season witnesses the distribution in quantity of two fern novelties, each of which appears to have various points in its favor from a commercial standpoint. The first of these is the so-called "Glory Fern," otherwise known as *Adiantum* "Glory of Moordrecht," a somewhat cristate and fertile form of *Adiantum tenerum*.

It will be recalled by those familiar with ferns that the most beautiful of the maidenheads, *Adiantum Farleyense*, is also a cristate form of *A. tenerum*, but that this old favorite is seldom, if ever, fertile, and, in addition to this drawback, the successful grower of *A. Farleyense* must give it a rather higher temperature and more care in culture than is required for the average commercial fern.

In the Moordrecht fern, however, we find some of the beauties that are characteristic of *A. Farleyense*, coupled with a much harder constitution, the latter character being so marked that the fern in question is found to make better progress when grown under such conditions as are found satisfactory for *Adiantum Croweanum*, rather than in the higher temperature and closer atmosphere that is usually found necessary for *A. Farleyense*. As already noted, *Adiantum* "Glory of Moordrecht" bears fertile spores, and these germinate freely, the young plants in 2-inch and 3-inch pots being difficult to distinguish from *A. Farleyense* of similar size. But as the plants grow larger the fronds of the Moordrecht variety are found to be of more irregular outline, the pinnae smaller and the foot stalks longer and more erect than those of the other variety mentioned.

As a prize-winning specimen it is doubtful if the new fern will compare with its older relative, but as a commercial variety, either for mixing among other plants in a basket or



TUMBLER BASKET OF MY MARYLAND ROSES AND CORNFLOWERS.

hamper, or for use as cut fronds, there would seem to be a larger future for the Moordrecht fern.

The second fern of merit that is being offered more freely this season is *Cyrtomium Rochfordianum*, an improved form of the old and well-known *C. falcatum*, a fern that has frequently been called the "holly fern" from its dark green and glossy leaflets. *C. Rochfordianum* has the same shining foliage as its parent, but the pinnae are irregularly toothed about the edge—perhaps lacinate would be a more descriptive word to use in this connection—and the leaf stems are shorter, thus giving the plant a more compact habit. Equally hardy with *C. falcatum*, and in all probability no more difficult to propagate than that admirable fern, the newcomer seems destined soon to make a place for itself in the trade.

In growing the *Cyrtomiums* it is always well to remember that *C. falcatum* is almost hardy, bearing quite severe frost without injury, after the plants have become established outdoors, and with this in mind the careful grower will not give these ferns too high a temperature or too close an atmosphere, lest the plants become weak and spindly, and also be liable to attacks of thrips and other insects.

Fern variations are frequent in the experience of the large grower, and *Cyrtomium falcatum*, having made this break under cultivation, it would not be surprising if there should later on appear a really cristate form of this fern. A well-crested *Cyrtomium* would doubtless find a place among trade ferns, especially if it proved easy to raise from spores.

It will be admitted that all crested ferns are not equally meritorious, and in some cases the plain form may be preferable, but the crested *pterises*, *nephrolepis*, *aspidiums*, *scolopendriums* and others, are already classed among the useful ferns, and still there is room for improvement, even to the extent of a good crested *Cyrtomium*. Among the regular stock, the plants of *Cibotium Schiedei* that are being prepared for this season's market will now be growing freely, and will be less likely to suffer from burning of the young fronds, if they are given an abundance of air and watched over carefully to avoid getting too dry.

During excessively warm weather it is not uncommon to find some young leaves that have suffered on the tips, not only on the *Cibotiums* but also among the Boston ferns, but free ventilation and plenty of water will help much in avoiding this trouble. When either *Cibotiums* or Bostons are thoroughly rooted they are benefitted by an occasional feeding with manure water, the latter being used in moderate strength only and at intervals of not less than a week.

W. H. TAPLIN.

Ferns for the House.

Not every species of fern will endure the dry air, extremes of temperature and occasional neglect that is its fate when introduced into cultivation in the house, and yet those who select plants for fern dishes, pot plants and the like, seldom take this fact into consideration. The first fern likely to be selected is some species of maidenhair

(adiantum) which is about the least fitted of any to endure house conditions. There are a few species of this genus, says the Fern Bulletin, that might be expected to thrive in such a position, but they are not grown by the florist. His specimens are certain to be those that prefer or demand shade and a moist air. The sword fern (*nephrolepis*), which dealers with an eye to business call the Boston fern, makes a good house plant because it can endure considerable drouth, having become accustomed to such things from generations of life upon the branches of trees or fallen logs in the tropical forests. The holly fern (*cyrtomium falcatum*) of the florist is also able to endure house conditions, its thick, glossy leaves being provided with an epidermis that prevents the rapid loss of water. A fern not often seen in the house, though well adapted to life there, is the saw-fern (*pteris serrulata*). It has long been known as a garden plant and is now spread nearly around the world in the tropics, but is supposed to have come originally from China. It is fond of growing on old walls and finds the dry air of the modern house quite to its liking. It will grow and put forth new fronds throughout the winter. Another fern, common in cultivation, which cannot be named by the writer because he has never seen a fruiting specimen, is apparently a species of *asplenium*, regarded as being of Japanese origin. It appears to be quite hardy and able to endure any ordinary winter when left to itself out of doors, but in the house it grows strong and green and is not affected by the lowered night temperatures that occasionally prove the undoing of less rugged plants. Nearly fifteen years ago this fern was reported as naturalized in the vicinity of New York, having escaped from some near-by greenhouse, but if its name is known, the fact seems never to have been put on record. Ferreting out the name of this species might prove an interesting task to some student of foreign ferns.

Mixing Fertilizers.

In order to use fertilizers intelligently it is necessary to know the principal commercial sources of nitrogen, phosphoric acid and potash, writes W. H. Beal, in an article entitled "How the Scientific Farmer Fertilizes His Farm" in the Scientific American. Nitrogen, which is the most costly constituent of fertilizers and the one most subject to loss, is derived mainly from nitrate of soda, which is the most available and, at present prices, one of the cheapest sources of nitrogen now on the market; sulphate of ammonia, also a readily available form of nitrogen, which is obtained as a by-product of gas works and coke ovens, and various organic substances, mainly slaughter house and factory by-products, such as dried blood, tankage, dried fish and cottonseed meal.

Phosphoric acid is derived from bone, mineral phosphate, superphosphate (made by treating mineral phosphates with sulphuric acid) and phosphatic slag. The principal sources of potash are the potash salts—kainit, and muriate and sulphate of potash—obtained from the German potash mines.

These are the standard raw materials from which fertilizers are prepared. The raw materials may be purchased unmixed and applied sep-

arately or mixed as desired. The state experiment stations can furnish specific advice as to methods of mixing and formulas for special crops and soils. It is well to bear in mind, however, that the indiscriminate mixing of fertilizing materials is not a safe practice, due mainly to two facts: (1) The mixing may result in the loss of nitrogen, as when lime is mixed with guano or other organic matter or may make a fertilizer less soluble or available as in case of superphosphate to which lime has been added, and (2) certain mixtures, as for example potash salts and Thomas slags, cake and are hard to distribute evenly on the soil. The accompanying diagram indicates what combinations may be safely made of some of the more common fertilizing materials.

CHRYSANTHEMUMS

Revised Judging Scales.

The remarks of Elmer D. Smith concerning scales for judging are to me very much to the point and in the main I cannot find any cause for criticism. If I understand correctly Mr. Smith's suggestion, this scale is for judging only in exhibitions of vases containing six or more blooms and is to be regarded somewhat as a compromise between the exhibition and commercial scales as used by the judges in scoring a new variety.

If this is his idea, I am entirely in favor of it. The trouble will be, in getting the judges generally to adopt it. The official scales at the present time are the gradual result of experience and exhibitions covering quite a few years and I would not be in favor of changing them to any great extent, but we need something for general application by the judges in an exhibition

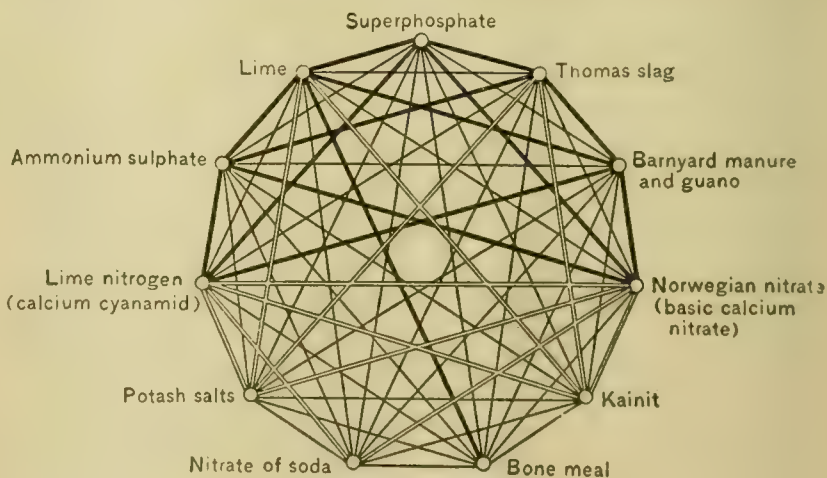
opened more than once or twice in the western exhibitions last year. Conceding that Bonnaffon is an ideal variety as a commercial flower, it is not fair to judge an exhibition variety in comparison with it and throw the latter down because it happened to be of a reflexing type.

The sum and substance of the whole thing is, as Mr. Smith says: "The judge will exercise his own prerogative and accept whichever appeals to his point of view." All the scales of points ever invented have failed to do away with personal equation and this enters into every phase of judging. Men naturally do not all think alike. If they did we would all be in love with the same girl and there would be only one political party. Any judge, however, who is fair-minded and will take the scale as suggested by Mr. Smith, will not go very far wrong in judging an exhibition and commercial variety together.

Any variety, no matter how fine the flower, if the foliage is poor, is like a jewel without a setting; but on the other hand if the variety has a splendid stem and fine foliage, but an insignificant flower on the top, it is like a setting that never had a jewel.

Good judges are comparatively scarce, very largely owing to the fact that they lack practice. Any man who judges only about once a year cannot be expected to approach things with the open mind that a man will who is doing the same thing very much more frequently, and again very few judges will stick to a scale of points and judge a variety conscientiously according to the scale. We certainly want a scale of points that will fill the bill in a competition where both commercial and exhibition types are competing, and it seems to me Mr. Smith's suggestions come pretty near being right.

C. H. TOTTY.



MIXING FERTILIZERS
(From the Scientific American)

Diagram indicating what fertilizer materials may and may not be safely mixed. The heavy dark lines unite materials which should never be mixed, the double lines those which should be applied immediately after mixing, and the light single lines those which may be mixed at any time.

that will fill the bill and still be fair to all varieties.

It seems an utter absurdity to me in an exhibition to see a variety like Bonnaffon score "first" all round the deck, when a variety that has just as good a color, is twice as large but does not conform to the strictly incurving shape, will be disregarded. This hap-

Referring to the article by Elmer D. Smith on "Scales for Judging," published in THE AMERICAN FLORIST of September 21, it seems to me that the scale adopted by the C. S. A. covers any exhibit of chrysanthemums regardless of the manner in which they are staged. Where competition is keen, judging by points is the only fair



PERGOLA ON ESTATE OF JOHN W. PEPPER, JENKINTOWN, PA.

means of proving superiority, and the fault is not in the scale of points but in the failure of those intrusted with making up schedules to clearly state what exhibits shall be judged according to exhibition or commercial scale. This precaution would save lots of trouble for judges and exhibitors.

Mr. Smith practically suggests the adoption of the C. S. A. commercial scale for exhibition purposes, the number of points being identical with his new scale, seventy points referring to quality of bloom and thirty to stem and foliage. The C. S. A. scale was carefully thought out by a practical committee appointed for that purpose, and was intended to apply to any chrysanthemum wherever exhibited for any purpose, and the need for a separate scale for commercial and exhibition varieties still exists. In cases of close competition, judging a vase of six or twelve boloms or more can only be accomplished by carefully pointing up the individual blooms according to the C. S. A. scale, so that there seems no important reason why the scale should be changed for specific exhibits.

ALFRED J. LOVELESS.

SPOKANE, WASH.—The flower show held by the Spokane Horticultural Society, began September 12 and lasted three days. There were prizes in both professional and amateur classes.

PONTIAC, MICH.—L. C. Lewis is enlarging his plant and will have 40,000 square feet of new glass when the work is completed. His grower and manager is C. E. Schmidt, an experienced greenhouse man.

Specimen Plants For Exhibition.

There is a great deal of work on hand at this time in connection with getting these plants in shape for the exhibitions. The tying out and training of the branches should receive attention. They are now stiffening up and setting the buds, which means that a longer delay will cause them to be more difficult to manage in the training, owing to their becoming more brittle as the wood ripens and the buds expand. Also, a reasonable time must be allowed the plants to shape themselves between the time of training out and the time of exhibition in order to give them a finished appearance. The method of training depends greatly on the number of branches and the size of the plants, but it should be borne in mind that a natural appearance is much more to be desired than one that is made rigid and formal by close training. One of the very important points to consider is to make sure that the main stem of the plant is properly supported and that the branches are secure against snapping off with the least jar, especially if they are to travel any distance to the shows.

Give the plants plenty of space so that there is a free circulation of air all around them. Any crowding together must be strictly avoided. They also require full light, plenty of ventilation and a cool temperature. As the buds develop disbudding should be followed up close to allow the blooms to take on their true form and character. A sharp lookout should be kept to keep down the insects. The caterpillars are particularly trouble-

some and unless the plants are examined every day or so they quickly spoil the foliage. Feeding is another important part of the work. These large plants when in perfect health with their roots moving actively can stand a large amount of fertilizer, but judgment should be exercised in applying it. Cow manure in the liquid form is one of the safest as well as the best to use, changing off occasionally to sheep manure. But allow the plant to work up one application before another is applied, which means that once or twice a week is close enough to feed.

If the roots have worked through the surface of the soil and show bare a mulching of live soil should be put on to give them something to work at. The soil is better than manure at this stage of the plants' growth. A mulching of manure at this time has a tendency to lengthen out the shoots too much and to clog the soil. The smaller pot or market plants that were lifted from the outside a few weeks ago will be by this time thoroughly well established and will also be greatly benefited by occasional weak applications of liquid manure as advised for the larger specimens. The check of lifting these plants will have caused some of the lower foliage to turn brown. These should be removed. After the plants have become well established they require an abundance of water and the conditions of air, ventilation and temperature should be such that they can use up the water freely. These plants, and especially the pompon varieties, are most beautiful when kept in a dwarfed state. To be able to do this plenty

of light and a place within a reasonable distance of the glass are required.
C. W. JOHNSON.

Feeding.

Recent complaints indicate apprehension among some as to the outcome of their present crop. It is such misgivings that prompt this contribution on the above subject. All plants are sustained by the constituents of the soil, of which nitrogen, potash and phosphoric acid are the chief elements. What effect each of these factors have upon the construction of the plant and its florescence need not be discussed at this time. When these nutritive ingredients are exhausted, liquid applications, are given to supply their needs, and it is this operation to which the term feeding is applied. The effects of such applications are revealed by the appearance of the plants and the resultant flowers thus produced. From this it is evident that what actually takes place in this construction of plant life is very obscure, hence we must be governed wholly by observance, determining their needs by what is presented to us in their growth.

There are several ways to reach this desired end, viz: First, top dressing with manure, the strength of which is taken to the roots in liquid form by the application of water. Second, by extracting the soluble parts of manure, diluting to the desired degree and applying in solution. Third, the use of liquids made from soluble chemical salts. All three methods are equal as far as producing the desired crop is concerned, provided they are judiciously applied, but there is a marked difference in the cost of material and labor involved. The present price of manure and the labor required to make it accessible to the plant far exceeds the cost of chemicals.

Stable manure contains $1\frac{1}{4}$ per cent plant food (by government analysis) or 25 pounds a ton, while some of the highly concentrated fertilizers now on the market contain 65 per cent actual plant food. It requires two and three-fifths tons of manure to supply the same amount contained in 100 pounds of such chemicals, and when we consider the labor required to handle this quantity of manure when used as a top dressing or reduced to a liquid, even the casual thinker is confronted with the question of why all this unnecessary expense. The experimental stations have taken up these matters in detail, and set forth in their reports that chemicals are equal to natural manures in the production of crops. We use a mixture known as Fertilene, one pound of which is as efficient as 80 pounds of manure.

The former is perfectly soluble and odorless as so much salt, the other dirty and offensive when manipulated in any form. The strength of chemicals are known quantities and constant, while manures are uncertain and variable. In the case of chemical fertilizers, most of the failures are due to too strong applications. A few years ago we were using Fertilene at the rate of 1 ounce to 6 gallons of water, but recent observations indicate it should not be used stronger than 1 to 10, and when the soil contains considerable manure, 1 to 20 or 30 gallons gives far better results, when used before the buds are selected. Some will consider this a very weak solution, but experience has

shown that it is sufficient and the old adage "better be safe than sorry" will be appreciated by those who use such concentrated chemicals indiscriminately.

Once a week is as often as it should be applied to most varieties, and never when the plants show signs of dryness. A very good plan is to go over the benches and water all dry spots before applying. It is a great temptation to those who have not used chemical fertilizers to overdo. It must be taken into consideration when feeding solutions of any form that they are taken up through the roots, and the process of assimilation immediately follows. Food applied in this way is more available than any other, and herein lies our great danger; we are applying a solution which is colorless, odorless and tasteless, having every appearance of water.

Liquid manure was in use many years before chemical fertilizers were known and in the hands of the inexperienced is much safer. There are so many ways of formulating liquid manures that it is impossible to give a definite rule with assurance of having the best. Those of experience know by the color when it is safe to use, but such knowledge is difficult to impart to others. The following rules are considered safe: One-half bushel of horse or cow manure to 1 barrel of water. These proportions are practically 1 pint to the gallon, so that those requiring a small quantity can make to suit their needs. Sheep manure is strong and will require $1\frac{1}{2}$ barrels of water for the same quantity. Hen and pigeon manures are excellent, but being very strong, are safest when used in weak solutions, and should not exceed 1 pound to 10 gallons.

In preparing these liquids the manure is generally put in a coarse burlap bag, allowing it to soak for two or three days. A box or barrel may be filled and water applied, leach fashion, but the liquid thus obtained is very strong and will need diluting. An old rule is to dilute to the color of weak coffee, but this is hardly safe,

Where the soil is fairly rich with manure there is little or no need of feeding until after they have been disbudded. If resorted to at all, the applications should be very dilute or the plants will become too gross at this period, which is marked by the thick, crisp or harsh-feeling foliage. When a leaf pressed between the thumb and finger cracks and will not return to its normal position it is evident the treatment has been too generous. Such conditions frequently cause some varieties to become blind, that is, the joints do not elongate but form a compact mass of foliage at the top of the stem and literally refuse to produce buds. In either case it is best to discontinue feeding, so that nature may help to rectify the error.

It is quite probable there are instances where the stock has been so misused that it is past redemption. As previously stated there is only one course to follow at the first indication, and that is let up. A dyspeptic in distress does not or should not take more food with the expectation of relief. Before the buds set we should endeavor to have thick, rubbery, rather than crisp or brittle foliage. The present strong competition, and the desire to produce the best has led many to the excessive use of fertilizers both natural and commercial. While this condition may not be general there are many who not only throw away money for these materials, but also deplete the quality of the product. This is largely due to lack of knowledge, both as to the contents and effect of the fertilizers used and the needs of the crop as presented in its external appearance.

ELMER D. SMITH.

Rochester Centenary.

Monday, September 16, was a red letter day in this city. One hundred years ago the first log cabin was built here on the site of the magnificent Powers Building. This was the beginning of what is today one of the most prosperous cities of America, the "Flower City" of the Empire State.



H. E. WILSON'S FLOAT IN THE ROCHESTER, N. Y., PARADE.

as some of the strong manures give light colored liquids. As we know little regarding the strength of solutions made from material at our disposal, the subject is more or less a matter of guess. Fine blooms may be obtained by their use, and by closely observing growth of the plant and quality of flowers it will soon be apparent how to use for best results.

The parade was headed by mounted police, escorting Governor John A. Dix, Mayor H. H. Edgerton and Thomas B. Dunn, chairman of the committee in charge of the celebration. All the principal events in the city's history were represented by gorgeous floats. Our photograph gives a very good view of the float sent by H. E. Wilson of 88 East Main St. This firm was one of

the first florists in Rochester and although years ago work was carried along under difficulties today they have two very fine stores in the main street of the city, as well as a store and a number of greenhouses on Hudson avenue. In the parade two young ladies acted as brides, one of 100 years ago, dressed in cream satin with veil, carrying a conventional bouquet of Killarney roses, and the other a bride of today, dressed in a very becoming gown of white satin with a veil reaching to the end of her train. She carried a handsome shower bouquet of lilies of the valley. Both stood in the float which was surrounded by a fence on each side with heart shaped gates and a large heart at the back. Around the bottom of the fence were ferns and lavender asters, while the skirting was of yellow bunting. The fence and posts were decorated with clematis and asparagus. The floor was covered with rugs and palms. In the center stood a large vase of yellow chrysanthemums. H. J. H.

James Vick's Sons' Float.

The accompanying illustration shows the float of James Vick's Sons in the Rochester, N. Y., centennial parade on Monday, September 16. The float was pronounced the most beautiful in the entire parade. It was made up entirely of aster blooms, more than twenty thousand of them being used. A huge bouquet, arranged in a large basket containing over ten thousand blooms, occupied the rear of the float. The bouquet was nine feet in height from the bottom of the basket to the top of the handle and about eight feet in width. Smaller bouquets surrounded the large one and each one of the young ladies and children seated in the center carried a bouquet of asters.

Best Trees for Railway Parks.

Paper read by J. K. Wingert, gardener for the C. V. R. R. Co., at the sixth annual meeting of the Railway Gardening Association, Roanoke, Va., August 13-15.

For park and street planting we have a large list to draw from. I will only name a few of the best for streets and parks. The Norway maple (*Acer Plantanoides*), is one of the most beautiful trees that we have for street or park planting, being one of our most hardy trees. It is free from fungous or insect enemies, has tough and strong wood, is seldom broken by storms, forms a handsome, wide-branching head and has beautiful dark-green foliage. Another of the species is the sugar maple (*A. Saccharium*). No better tree can be used for park or street planting; its growth is straight, and forms a symmetrical top. It is well adapted for planting near buildings. Being deep rooted, grass will do well up to its very trunk. It has the most handsome autumn colored foliage, shading from yellow to scarlet, as the season advances, and it will thrive well in almost all conditions except in boggy ground. The purple maple (*A. Plantanoides Purpureum*) is another. This is a handsome tree with leaves of a bright purplish and crimson color, changing to green as the leaves get older; it is one of the most beautiful and ornamental of the maples during its early growth.

No list would be complete without including the far-famed American elm (*Ulmus Americanus*), particularly for wide avenue and large parks. This species grows to a large size, with high spreading tops. I do not

think there is anything more desirable than the charm and grace of this tree. It will adapt itself to a greater variety of soils than any tree that is known, but it is a gross feeder and it will be found somewhat difficult to make other trees and shrubs do well near it, unless plant food is applied each fall or early spring; then elms and whatever may be planted among their roots will grow satisfactory. The European elm (*Ulmus Campestris*) while not such a graceful tree as the American species is a valuable tree for streets and parks, as it will do well in nearly any soil. It bears hard



THE FLOAT OF JAMES VICK'S SONS IN THE ROCHESTER, N. Y., CENTENNIAL PARADE

usage well, and holds its beautiful green foliage until late in the autumn. It is columnar in growth and suitable for streets of medium width.

The pin oak (*Quercus Palustris*) has recently gained great popularity. It is a magnificent tree and grows to a very large size, quite pyramidal in its younger stages. It is very upright and the foliage is deeply cut, in autumn turning gold and crimson shades and unsurpassed for fall coloring. I consider this one of the finest trees for planting in large parks or wide avenues. It transplants easily and grows well in wet or dry soils.

The European white birch (*Betula Alba*) is a very graceful tree and quite erect when young. After several years it assumes an elegant drooping habit. It has silvery bark and slender branches, rendering it very beautiful. I think it is unsurpassed for winter effect. The tulip poplar (*Liriodendron Tulipifera*) is another tree that is worth mentioning. It is a rapid growing tree with clean smooth trunk and spreading branches. The flowers, which are tulip shaped, are quite large and of a greenish, yellow color, blotched with orange. They appear early in June and have a delicate magnolia fragrance.

The Oriental plant (*Plantanus Orientalis*) is among our tallest trees, grows rapidly, and is well proportioned and hardy. It is seldom broken by storm or ice and is remarkably free from attack of insects and diseases. It is one of my favorite street or park trees. It does well in almost all soils, and withstands the smoky atmosphere of railway parks. Other good trees are the Escalus Hippocastanum (European horse-chestnut), and the native species, the cucumber tree (*M. Acuminata*). Then we have the evergreens. These are beautiful for winter effect. I have mentioned merely the most hardy trees, those that will adapt themselves to climatic and soil conditions.

Detroit Club Visits Toledo.

Thirty members of the Detroit Florists' Club visited the florists of Toledo Wednesday, September 25. The florists' club of that city extended the invitation to our club some time ago and a representative party was made up, consisting of J. K. Stock, M. Bloy, Homer Flickinger, A. J. Stahelin, Roy MacDonald, A. J. Stahelin, Sr., Thos. Browne, George E. Browne, Louis Charvat, Wm. Heilscher, Theodore Mitchell, Theodore Mallast, Ferdinand Kalbe, Gus H. Taepke, Theodore Dambrow, Fred Meisel, C. Schaefer, J. F.

McHugh, Frank Walling, A. Giecke, E. A. Fettes, A. O. Rahaley, Walter Taepke, Robt. Watson, E. A. Scribner, A. Pochelon, A. Sylvester, John Galster and J. F. Sullivan.

A special car was chartered, and being favored with beautiful weather a delightful and interesting day was the result. Arriving in the Ohio city at 11 o'clock we were met by the reception committee, which included nearly every member of the Toledo club. Among them were Harry Heintz, George P. Bayer, Thos. Magee, Krueger Bros., Emil A. Kuhnke, Frank Schramm, Herman Phillips, Miss Patten, S. N. Peck, E. H. Cushman and Miller Bros. Automobiles were provided for all and the inspection of the various establishments began and continued throughout the day. Before the return our party was tendered a banquet at the Toledo Commercial Club rooms, after which a review of the observations of the day were happily indulged in. George P. Bayer acted as toastmaster, and though he declared it his first experience in that line he proved to be as able in that capacity as in the growing of Bonnafton chrysanthemums. S. N. Peck voiced a hearty welcome to the visitors, who already had that assurance by the constant cordiality shown throughout the day. J. K. Stock, our newly installed club president, responded in earnest and appreciative terms and gave a pressing invitation to our hosts to visit the city of the straits. E. H. Cushman responded to "the ladies" and proved the subject to be very agreeable to him. M. Bloy on "Publicity" acquitted himself with his usual success and paid a high tribute to the local greenhouse establishments. E. A. Scribner, always primed for an oratorical task, treated his theme, "The Future in Floriculture," optimistically. Robt. Rahaley, on "The Wholesaler," reviewed from many angles the place the middleman fills. J. F. Sullivan spoke on the work of florists' clubs. Thus was spent a most enjoyable day that will long be pleasantly remembered by the Detroiters participating

so fully in the unbounded hospitality of brother florists on the Maumee.

The places visited will be found in the following paragraphs. E. H. Cushman's, located about nine miles from Toledo, embraces one hundred and five acres of land especially adapted to the culture of gladioli and dahlias. An open-air luncheon under the trees was a feature greatly relished by the hungry invaders. The large blocks of dahlias in the fullness of bloom was a surprising sight. Fifteen acres of gladioli are grown, Francis King, America and Princess being among the favorites. A few acres are devoted to perennial stock, large blocks of tritomas, peonies, and phlox being conspicuous. Two greenhouses, one 24x80 feet, the other 30x150, are used for dahlia propagation and crops of carnations, chrysanthemums and sweet peas. Though a carnation grower in but a small way, Mr. Cushman captured one of the best prizes at the local show the past spring. Thousands of dahlias and gladioli are shipped successfully to Chicago, Buffalo, Detroit and Cleveland, but the bulbs of both flowers are the chief product of the place.

Harry Heinel's place, though old in history, is really young and vigorous in every way. Twenty-one houses, aggregating 70,000 square feet of glass, are all stocked with evidences of the successful grower that Mr. Heinel is. One house of poinsettias is particularly fine. Over 500 pans in various sizes were one of the prize shows, while those planted for cut blooms elicited many words of commendation. Fifteen thousand chrysanthemums are grown here and 6,000 roses and 13,000 carnations, all looking fine. Mr. Heinel has just completed the rebuilding of three houses, one 31x134 feet, one 25½x135, and one 20x134. A house of ferns is one of the attractions of the place.

Geo. P. Bayer's establishment of four houses, each 775 feet long by 14 feet 9 inches wide, besides some smaller houses, has long been famous for tomatoes and chrysanthemums. Mr. Bayer follows annually a method peculiarly his own with uninterrupted success. He grows tomatoes from early winter till August 1, by which time thousands of chrysanthemums, which are grown outside, are ready for removal to the same space occupied by tomatoes up to that date. The soil is not changed nor is it sterilized, but when the chrysanthemum season is on the flowers found here have few equals. His Bonnafon has a well-earned reputation in the Cincinnati, Chicago, Detroit and local markets. Six thousand chrysanthemums of this one variety is certainly a large stock to dispose of with satisfactory prices, and yet this is an annual feat for Mr. Bayer. About 15,000 other varieties of chrysanthemums and some carnations are also grown.

Krueger Bros. have two establishments, one out in the country and the other inside the city limits. At the latter place a general assortment of plants and flowers are grown in 20 houses of about 50,000 square feet. Here several houses are devoted to roses and some to carnations, chrysanthemums and ferns. One house contains palms in variety and cold storage lilies. Retail trade is conducted here exclusively. The country place has four large houses, two 30x640 feet and the others 30x320. These are planted with carnations and roses, the variety O. P. Bassett being largely grown. There are over 8,000 of these. White Enchantress as well as the pink, and Washington are most conspicuous. Killarney roses were especially fine. Asparagus plumosus is an important item here. Ten thousand geranium cuttings in the sand showed what a factor that plant is in their trade. This firm is preparing to escape the coal

shortage period and already has twenty cars of the fuel stored in its spacious coal shed.

Miller Bros. have an immense place, most of which is devoted to vegetable growing, but carnations are a leading crop with them. Eight houses, each 15x260 feet, contain over 30,000 plants of Windsor, Enchantress, Bright Spot, O. P. Bassett and some white varieties. All are grown in solid beds with cement retaining walls and hot water heating. This, following the local custom of most of the big growers, is circulated by pressure pumps. Lettuce is grown by this firm under three acres of glass. This firm's carnations are said to be among the very best grown here, and the present condition of their large stock indicates the truth of the report. Searle Bros.' immense establishment is devoted to vegetables, chiefly lettuce, and commanded considerable notice. About twelve acres are covered with glass, the houses being uniformly 14 feet 9 inches wide by 1,000 feet long. All are heated by hot water. The crops are annually grown in the same soil with yearly sterilization and heavy manuring. The products of this place have a wide and favorable reputation and find the markets of all the large cities of the eastern, middle and western states.

Davis & Magee, proprietors of the Scottwood Greenhouses, have a fine, up-to-date retail establishment situated in the strictly first-class residential portion of the city. They enjoy a splendid patronage. The salesroom is a spacious and most conveniently equipped store. Adjoining this are three houses, each 20x158 feet, which, besides palms and ferns and other popular foliage plants, contain well-grown chrysanthemums, roses and poinsettias. Many of the latter are in pots and pans that will be a grand sight at Christmas.

E. A. Kuhnke has eight houses of about 26,000 square feet devoted to chrysanthemums, carnations, smilax, asparagus and ferns, all in good condition. About 1,000 calla lilies showed that this old-time flower is still popular. Mr. Kuhnke is building a concrete house and barn. He is secretary of the local club and is a live wire.

The stores of Mrs. Freeman, Schramm Bros., Miss Patten, and S. N. Peck were all examples of neatness and enterprise and enjoy a good and increasing patronage. The Detroit visitors extend their congratulations to all of them and wish them continued success. J. S.

National Flower Show.

John Young, manager of the trade exhibition to be held in connection with the National Flower Show next spring, reports the following as having already taken exhibition space:

Space contract.	
Peter Henderson & Co., New York	\$1,000
A. N. Pierson, Inc., Cromwell, Conn.	600
Revere Rubber Co., Boston, Mass.	325
W. E. Marshall & Co., New York	220
John Lewis Childs, Floral Park, N. Y.	200
The Weathered Co., Jersey City, N. J.	270
Hitchings & Co., Elizabeth, N. J.	300
Reed & Keller, New York	300

Work on the official program is actively progressing; among those who have taken pages in the book are: Peter Henderson & Co., New York; Arthur T. Boddington, New York; Charles H. Totty, Madison, N. J.; Lord & Burnham Co., Irvington, N. Y.; Hitchings & Co., Elizabeth, N. J.; Brecht & Co., Boston, Mass.; Benjamin Hammond, Fishkill-on-Hudson, N. Y.; Welch Bros., Boston, Mass.; Henshaw & Fenrich, New York; W. F. Kasting, Buffalo, N. Y.; N. F. McCarthy & Co., Boston, Mass.; New York Cut Flower Co., New York; Revere Rubber Co., Boston, Mass.; The Florists' Exchange, New York; Aphine Mfg. Co., Madison, N. J.; W. Atlee Burpee & Co., Philadelphia, Pa.; R. & J. Farquhar & Co., Boston, Mass.; Henry A. Dreer, Inc., Philadelphia, Pa.; Traendly & Schenk, New York; Phil. F. Kessler, New York.

Applications for space in the exhibition, or for advertising space in the official program, should be made to John Young, 54 West Twenty-eighth street, New York City.

J. H. PEPPER,
Chairman Publicity Committee.



CHILDREN OF W. G. MATTHEWS, PROPRIETOR OF THE DAYTON FLORAL CO.

A Day at Home with Their Favorite Playmate, Major.

Mobile, Ala.

T. Loding, who has charge of the new range of glass on Houston street owned by himself and his brother, H. P. Loding, has added a new house 100 feet long and a cottage. Of course, we all know it is not well for man to live alone and a romance which had its beginning across the ocean culminated the early part of the month when the lady of his choice came over to take possession of the home.

Don't think we are asleep down south because we are not making a loud noise. We are all still in business, even if trade is rather dull. The flower lovers are organizing a horticultural society in this city and expect to do great things toward beautifying the place.

C. Ravier & Sons have added two houses, 20 x 90 feet, one for chrysanthemums and the other for sweet peas for Christmas. Their place is in good shape and they are all busy planting bulbs.

The Minge Floral Co. is making a good showing of roses and asters for this time of year and the preparations for the coming season's business are about complete. M.

Mrs. John Goodbrad will reopen her stand on Dauphin street as soon as the cool weather brings the summer wanderers home.

Kentucky Fair Awards.

The awards made in the floral department of the Kentucky state fair at Louisville, Sept. 9-13, were as follows:

LOT 363—OPEN TO ALL.

Best Collection of Decoration and Store Plants, Arrangement to be Considered—Nanz & Neuner, Louisville, first, \$50; G. Robert Miller, Louisville, second, \$25.

Best Collection of Foliage Plants, for Bedding—G. Robert Miller, first, \$5; Nanz & Neuner, second, \$3.

Best Collection of Flowering Plants for Bedding—G. Robert Miller, first, \$5; Nanz & Neuner, second, \$3.

Best Collection Begonias—G. Robert Miller, first, \$5; Thos. Hosea, Louisville, second, \$3.

Best Collection Cannas in Bloom—Nanz & Neuner, first, \$5.

Best Collection Geraniums in Bloom—G. Robert Miller, first, \$5; Nanz & Neuner, second, \$3.

Best Collection of Ferns—Nanz & Neuner, first \$8; G. Robert Miller, \$4.

Best Collection Roses in Bloom—Nanz & Neuner, first, \$5.

Best Collection Flowering Plants—Nanz & Neuner, first, \$5.

Best Two Specimens Decoration Plants, Size Considered—Nanz & Neuner, first, \$5.

Best Two Hanging Baskets—Nanz & Neuner, first, \$5.

Best Two Window Boxes—Nanz & Neuner, first, \$8.

Best Two Rustic Stands—Nanz & Neuner, first, \$10.

OPEN TO ALL.

Best Collection of Cut Flowers, Arrangements Considered—Nanz & Neuner, first, \$25; G. Robert Miller, \$10.

Best Vase American Beauties—Nanz & Neuner, first, \$10.

Best Vase White Roses—Nanz & Neuner, first, \$5; G. Robert Miller, second, \$3.

Best Vases Pink Roses—Nanz & Neuner, first, \$5.

Best Vase Red Roses—Nanz & Neuner, first, \$5.

Best Vase Dahlias—G. Robert Miller, first, \$5; Nanz & Neuner, second, \$3.

Best Vase Astors—Nanz & Neuner, first, \$3.

Best Vase Gladioli—Nanz & Neuner, first, \$3.

LOT 367—OPEN TO ALL.

Best Floral Design of Natural Flowers, Quality, Style and Arrangement Considered—F. Walker & Co., Louisville, first \$15; Nanz & Neuner, second, \$10.

Best Handle Basket Eighteen Inches Diameter, Arrangement Considered—F. Walker & Co., first, \$10; Nanz & Neuner, second, \$5.

Best Bridal Bouquet—F. Walker & Co., first, \$10; Nanz & Neuner, second, \$5.

LOT 368.

Best Collection of Evergreens, Arrangement to be Considered—Nanz & Neuner, first, \$10.

Best Collection of Hardy Plants—Nanz & Neuner, first, \$10.

Best Specimen Bush or Pyramidal Box—F. Walker & Co., first, \$10.

Empire Loyalists and settled in Matilda township, found a number of apple trees while clearing a place for a home. One of them produced fruit of such superior color and quality that he named it the McIntosh Red. It soon attracted attention, and his son Allan propagated it and commenced to disseminate the variety. In recent years it has been widely circulated, and now is planted in all parts of the American continent where apples flourish. In 1896 the old tree was partly injured by fire, but continued to bear on one side until 1908, when it failed altogether.

Scented-leaved Pelargoniums.—Three very interesting collections of these pleasing, old-fashioned subjects were exhibited at the recent International show. In the first place, the huge specimens from Gunnersbury, which



OUTING OF DAYTON FLORAL CO. EMPLOYEES AT SUPERBA BEACH, AUGUST 31.

European Horticulture.**FROM THE BRITISH PRESS.**

Veronica Filifolia.—Admirers of rock plants would have observed the charming Veronica filifolia in some of the exhibits of alpines at the great Chelsea show, but it is only those who can see really good plants who know its full beauty. It is a plant familiar to the writer, who once obtained it from the garden of a great continental amateur a good many years ago. His own plant was lost through a combination of unfortunate circumstances, but while it lasted it was a source of great pleasure with its dainty leaves and its still more dainty light blue flowers. There is something almost lace-like in its appearance. The rock garden is the favorite place for this speedwell; but I was greatly struck with its beauty as a wall plant on seeing it at Monreith, Wigtownshire, the other day, where Sir Herbert Maxwell has such a fine collection of alpines growing on a terrace retaining wall. Here Veronica filifolia was remarkably fine. In perfect health, of good size and full of flower, it was the beau-ideal of a wall garden plant. It is hardly likely that it would be nearly so fine without a good body of soil behind it, but with such conditions and fully open to the light it formed a grand sight that could hardly be surpassed.

Memorial to an Apple Tree.—A ceremony unique in the history of fruit-growing took place at Dundela, near Morrisburg, Ontario, a short time since. A monument was unveiled to an apple tree. The farmers of Dundas County by popular subscription have placed a marble stone close to the spot where stood the original McIntosh red apple tree that succumbed only recently after braving the storms and its enemies for over 100 years. About 115 years ago, John McIntosh, who went to Canada with the United

have been often exhibited, were shown in good condition, and were much admired. Next, a group of about eighty distinct kinds, many of them true species, and containing a large proportion of scented-leaved forms, was shown by the Hon. Vicary Gibbs, Aldenham House. These were all well grown, bushy specimens, in pots 7 inches or 8 inches in diameter. Grown in this way, the distinctive characters of each could be well seen. A collection, particularly remarkable from the fact that it contained no less than 126 sorts, was contributed by Miss Troyte Bullock, North Coker House, Yeovil. Compared with the specimens in the other two exhibits, the plants were small, but from such a representative collection many charming varieties could be picked out. As these attracted more attention than the gorgeous displays of the Zonal and decorative sections, one could not help thinking that if a nurseryman were to make a specialty of these uncommon Pelargoniums it would very probably prove remunerative. A structure from which frost is just excluded is all that is needed for their successful culture.

AUBURN, N. Y.—Herbert Hills, well known local florist, filed a petition in voluntary bankruptcy September 20. He gives his liabilities as \$7,700 and his assets as \$7,487.

JERSEY CITY, N. J.—Charles Seeley, a local florist, died suddenly at his home at 739 Grand street, September 16, as a result of gastritis. He was fifty-three years old and leaves a widow and three children.

STOCKTON, CALIF.—James O'Hara, well known in local horticultural circles and called the "father of Oakley," a small town near this place, died here September 9. He leaves a widow and four children.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn - t., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	625
—Hydrangeas	625
—Cannas	625
—Early firing	625
Autumn thoughts	626
The retail trade	626
—The cotillion supper table.....	626
—More tumbler baskets (illus.).....	626
—For a cotillion decoration.....	626
Florists' ferns	627
—Two novelties	627
—Ferns for the house.....	627
Mixing fertilizers (illus.).....	628
Chrysanthemums	628
—Revised judging scales	628
—Pergola on estate of John W. Pepper (illus.).....	629
—Specimen plants for exhibition.....	629
—Feeding	630
Rocheater centenary (illus.).....	630
—James Vick's Sons' float (illus.).....	631
Detroit Club visits Toledo.....	631
Children of W. G. Matthews (illus.).....	632
National flower show.....	632
Mobile, Ala.	633
Kentucky fair awards.....	633
Outing of Dayton Floral Co. employes (illus.).....	633
European horticulture	633
Cleveland flower show.....	634
St. Paul flower show.....	634
Crop conditions	634
Meetings next week	634
Coming exhibitions	634
Coming state fairs.....	635
Philadelphia notes	636
Cleveland notes	636
Boston	636
Akron, O.	636
Chicago	638
Washington	640
St. Louis	641
Columbus, O.	642
Cincinnati	643
San Francisco	644
South Auburn, Neb.....	644
Chicago bowling	644
Southampton Horticultural Society.....	645
Philadelphia	646
New York	648
Rochester, N. Y.	648
Buffalo, N. Y.	648
American Institute fair.....	648
Nassau County Horticultural Society.....	648
Fredericton, N. B.	650
Wichita, Kans.	654
The seed trade	656
—Mail order versus box seeds.....	656
—Long Island cabbage.....	656
—American Seed Trade Association.....	656
—Hardy alfalfa tests.....	656
—British crop damage.....	656
Market gardeners	660
—Prohibition on American potatoes.....	660
—Improving vegetables	660
—Bavarian truck and fruit tarius.....	660
The nursery trade.....	662
Plant quarantine act.....	662
Westchester and Fairfield Horticultural Soc.....	662
Washington	662
Massachusetts Horticultural Society.....	664

RENEW subscriptions promptly so that no copies of the papers may be missed.

Cleveland Flower Show.

We are in receipt of the premium list for the first exhibition of the Ohio Horticultural Society, to be held at Gray's Armory, Cleveland, November 14-16, inclusive. The prizes are quite liberal and considerable interest is being taken in the event by the local trade. Cleveland is a good center for an exhibition and the outcome of this venture will be watched with interest by the managers of other flower shows. Copies of the premium list may be had on application to John N. Stockwell, 218 City hall, Cleveland, O.

St. Paul Flower Show.

Plans for a flower show were made September 24 at a meeting of members of the St. Paul Flower Show Association at Holm & Olson's. The show will be in the Auditorium from November 8 to 12. It is the second show under the auspices of the association, the first being given two years ago in Minneapolis. Chrysanthemums will be the principal flower. The ceiling of the Auditorium will be decked with 2,500 additional lights and the entire ceiling and walls will be covered with festoons of Southern smilax. President Farquhar of the Society of American Florists has been engaged to give a stereopticon lecture one evening. He will show pictures of flower collections he has made in all parts of the world. In addition to the chrysanthemum display there will be many orchids, one group being valued at \$5,000; thousands of American Beauty roses, four or five being new varieties that have never been seen before, and a big exhibit from the state experiment station. Flowers will be sent from every state for the occasion.

Crop Conditions.

According to the general review of crop conditions issued by the Bureau of Statistics of the United States Department of Agriculture, the month of August, like July, was decidedly favorable for crop development in the United States, the composite condition of all crops September 1 being about 16.5 per cent better than on September 1 last year, and 4.1 per cent better than the average on September 1 of recent years.

The average of farm prices of important crops (corn, wheat, oats, barley, rye, flaxseed, potatoes, tobacco, cotton, hay, which represent about three-fourths of the value of all crops) declined 7 per cent from August 1 to September 1, which compares with a decline of 4.4 per cent in same period last year, and an average decline of 3.8 per cent during August of the past four years.

The condition (or production, if harvested) of various crops on September 1 compared with their average condition (not normal) on September 1 of recent years follows: Peaches, 130; apples, 126.2; spring wheat, 118.7; oats, 117.1; pears, 110.8; hemp, 109.9; barley, 109.5; potatoes, 109.5; cabbage, 108.4; flaxseed, 107.5; cloverseed, 106.9; tomatoes, 106.5; onions, 106.4; millet, 106.2; buckwheat, 106.; grapes, 105.4; Kafir corn, 105.2; alfalfa, 105.1; watermelons, 104.7; cantaloupes, 103.9; oranges, 103.8; broom corn, 103.2; hops, 102.4; sorghum, 102; cotton, 101.6; corn, 101.2; sugar beets, 101; rice, 101; Lima beans, 100.6; dry beans, 100.5; tobacco, 99.4; cranberries, 99.1; peanuts, 98.6; sweet potatoes, 98.4; lemons, 97.8; sugar cane, 93.2.

The indications are for a total production of all cereals (133,016,000 tons) of about 20.3 per cent more than last year, 6.1 per cent more than in 1910, and 16.2 per cent more than in 1909. Potato prospects are for about 36 per cent more than last year, 14 per cent more than in 1910, and 2 per cent more than in 1909. The estimated hay yield is about 31 per cent more than last year, and 4 per cent more than in 1910 and 1909. The composite condition of all crops, duly weighted, by states, on the basis of 100 repre-

senting average conditions (for most crops the ten-year average), is as follows:

Maine, 106.8; New Hampshire, 111.8; Vermont, 108.5; Massachusetts, 103.5; Rhode Island, 96.3; Connecticut, 99.6; New York, 102.9; New Jersey, 100.5; Pennsylvania, 105.2; Delaware, 108.1; Maryland, 102.8; Virginia, 96.7; West Virginia, 119.7; North Carolina, 95.3; South Carolina, 95.4; Georgia, 92.6; Florida, 99.5; Ohio, 97.5; Indiana, 92; Illinois, 100.3; Michigan, 95.6; Wisconsin, 104.6; Minnesota, 111.4; Iowa, 117.3; Missouri, 105; North Dakota, 125.6; South Dakota, 109.5; Nebraska, 100.7; Kansas, 115.1; Kentucky, 104; Tennessee, 99.5; Alabama, 100.2; Mississippi, 95.4; Louisiana, 99.6; Texas, 110.9; Oklahoma, 104.8; Arkansas, 100.1; Montana, 107.5; Wyoming, 112.5; Colorado, 113.3; New Mexico, 109.7; Arizona, 109.5; Utah, 105.7; Nevada, 101; Idaho, 107.3; Washington, 107.6; Oregon, 113.4; California, 102.1.

Meetings Next Week.

Butte, Mont., October 11.—Montana Florists' Club, Columbia Gardens.

Chicago, October 10, 8 p. m.—Chicago Florists' Club, Union Restaurant, 68 West Randolph street.

Chicago, October 9.—Gardeners and Florists' Union No. 10615, 230 North Clark street.

Denver, Colo., October 7.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.

Detroit, Mich., October 7, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Grand Rapids, Mich., October 7.—Grand Rapids Florists and Gardeners' Club, office of member.

Hartford, Conn., October 11, 8 p. m.—Connecticut Horticultural Society, County building.

Madison, N. J., October 9, 8 p. m.—Morris County Gardeners and Florists' Society, Massoule hall.

Montreal, Que., October 7, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.

New York, October 9, 4:30 p. m.—Horticultural Society of New York, Botanical Garden.

Omaha, Neb., October 10, 8 p. m.—Omaha Florists' Club, City hall.

St. Louis, Mo., October 10, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., October 9.—Toledo Florists' Club.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

October 23-26, 1912, San Francisco, Calif.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel. Angelo J. Rossi, manager, 2114 Steiner street, San Francisco.

October 24-25, 1912, Lenox, Mass.—Fall exhibition, Lenox Horticultural Society. Geo. H. Inscoe, secretary, Lenox, Mass.

October 24-26, 1912, Pasadena, Calif.—Fifth annual fall flower show, Pasadena Horticultural Society. Geo. H. Kennedy, secretary, 497 Bradford street, Pasadena.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition, Nassau County Horticultural Society. James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory. Wm. Mills, secretary.

October 31-November 1, 1912, Madison, N. J.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Engleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Worcester hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania hall, Anthony S. Petersen, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory, John N. Stockwell, secretary, 218 City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory, T. B. Symons, secretary, College Park, Md.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and floricultural departments so far as obtainable:

September 28-October 4, Sedalia.—Missouri State Fair, Ed. C. Roth, Buckner, Mo.

September 30-October 4, Trenton, N. J.—Inter-State Fair, Prof. M. A. Blake, New Brunswick, N. J.

September 30-October 6, Spokane, Wash.—Interstate Fair, Geo. T. Crane, Spokane, Wash.

October 4-12, Springfield.—Illinois State Fair, J. J. McComb, 1047 North Hoyne avenue, Chicago, horticulture; Robt. O'Dwyer, 716 West Madison street, Chicago, floriculture.

October 7-12, Boise.—Idaho State Fair, J. N. McPherson, Boise, horticulture; Mrs. Nanette Conklin, Boise, floriculture.

October 7-12, Richmond.—Virginia State Fair, A. Warwick, 7 Mutual building, State Fair Grounds, Richmond.

October 7-12, Albuquerque, N. M.—New Mexico State Fair, Prof. J. D. Linsley, Albuquerque, N. M.

October 14-19, Raleigh.—North Carolina State Fair, Prof. W. N. Hitt, Raleigh, N. C.

October 15-25, Macon.—Georgia State Fair, D. C. Horgan, 109 Cotton avenue, Macon, Ga.

October 16-23, Montgomery.—Alabama State Fair, Prof. P. P. Williams, Experiment Station, Auburn, Ala.

October 28-November 1, Columbia.—South Carolina State Fair, Col. T. J. Moore, Moores, S. C., and Col. D. P. Duncan, Columbia, S. C.

October 28-November 2, Phoenix.—Arizona State Fair, John E. Logan, Tucson, Ariz.

October 31-November 6, Shreveport.—Louisiana State Fair, Robt. Glenk, State Museum, New Orleans, La.

November 11-16, Hot Springs.—Arkansas State Fair, Chas. Starke, Hot Springs, Ark.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 696, care American Florist.

Situation Wanted—Plant grower and propagator; has had experience with all lines of commercial greenhouse stock, including lilies and other bulbous plants; single. Key 701, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced, can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture, Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds, a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, care American Florist.

Help Wanted—At once, experienced plant grower, good forcer of bulbous stock. State wages. THE LORGUS COMPANY, West Chester, Pa.

Help Wanted—Salesman to call on the greenhouse and store trade. State age, wages and experience. Address, Key 704, care American Florist.

Help Wanted—A first-class store man and decorator for position in Cleveland, Ohio. State experience and wages expected in first letter. Address, Key 710, care American Florist.

Help Wanted—A man who can grow shrubs, roses, etc., and manage greenhouse. Married man preferred. Moderate salary at first with chance of promotion. Give full particulars and salary wanted. PARKER BROS. NURSERY CO., Fayetteville, Ark.

Help Wanted—An experienced gardener, married small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Good paying retail store on south side of Chicago; liberal inducements to the right party; a bargain; write quick; good reasons for selling. Key 712, care American Florist.

For Sale—"Improved Capitol Boiler," (steam or hot water) No. 1037; capacity 6300 sq. ft. direct rad.; 24 in. flue; length 80 in. Bought Nov., 1910, used 5 months. Price \$300 cash. THE PANA GREENHOUSES, Pana, Ill.

WANTED
AT ONCE. Two good growers for carnation sections.
Chicago Carnation Co.,
30 E. Randolph St., CHICAGO.

WANTED
good saleslady for a retail store in Chicago. One experienced in design work preferred. Good wages to the right party.
Key 699, American Florist.

Agency Wanted
To represent some Eastern Seed House on this coast by an up-to-date seedsman. Write,
A. MANN, 2041 Pine St.,
SAN FRANCISCO, CAL.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Position Wanted.

Seedsman, 26 years old, nine years experience in inside and road work. Will be open for position Sept. 20th, 1912. Best of references.

W. H. HUFFMAN,
Highland Park, Richmond, Va.

Salesman Wanted And Assistant Decorator.

Must also have a slight knowledge of buying; must be willing worker, and furnish highest references. Moderate salary to start; splendid opportunity in the future for the right party. Address, Key 709, care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Iwend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5,000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of prengri, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences and one five-room cottage in good condition, big packing shed, cellar and barn, 2 artesian wells, wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

40 S. Dearborn St.,

CHICAGO

Send your orders to "The House" that
Never Disappoints.

← **FOR** →

M. RICE & CO.

1220 Race Street

Prize Winning Florists' Supplies and
Ribbons. Magnolias, Cycas Leaves,
Oak Sprays, Etc.

The Leading Florists' Supply House
and Ribbon Specialists.

PHILADELPHIA, PA.

Philadelphia Notes.

The October meeting of the club was well attended and great interest was taken in the illustrated lecture of President Vincent of the S. A. F., which was the feature of the evening. Mr. Vincent gave a very interesting description of his visit to the great London show and his trip about England and the continent. The published photographs of the exhibition that have appeared in the trade papers gave an idea of the magnitude of the display, but the pictures, many of them colored, thrown on the screen by Mr. Vincent looked so natural that the observer seemed almost to be walking about and actually seeing the wonderful exhibits with his own eyes. At the conclusion he showed some pictures of the recent dahlia show held at his own nurseries, in which many of the flowerers were staged much after the excellent methods he had seen in London. He received a hearty vote of thanks at the close of the lecture. The annual election resulted in the continuation of the present officers, J. Otto Thilow, president; Thos. W. Logan, vice-president; Geo. Craig, treasurer; David Rust, secretary. The annual report of the secretary showed that there were 289 members on the roll.

While some of the dealers handle dahlias almost under protest, others make the most of the situation and by a system in the taking and delivering of orders have built up a regular trade that is an important feature in their business. The dahlia growers in South Jersey are cutting immense quantities and shipping morning and evening, the express companies being required to provide extra cars and wagons to handle the stock. The Hammonton growers have formed an association and by co-operating have been able to obtain concessions which insure the best handling and quickest delivery by the express companies. Uniform boxes and crates have been adopted, and the flowers are cut and packed with great care. Every box that goes out bears the label of the association, which insures personal inspection and that the flowers are all perfect in their grade. Other large growers are finding a good demand. Peacock Dahlia Farms at Williamstown have sixty acres of dahlias and are sending them in daily by the carload. Others near Alco are kept busy getting out orders, and altogether the dahlia men expect this to be a banner year.

The feature of the week was the flower tag day for the benefit of the Woman's Homeopathic Hospital, which occurred on Saturday. Some four hundred girl volunteers stood on the street corners and in railroad stations, hotel lobbies, etc., and tagged the generous public with dahlias. Over 20,000 flowers were used. They were furnished by Habermehl's. Quite a large sum was obtained by this method. An effort to raise a sum of nearly \$4,000 for a playground association was also made on the "main line" of the Pennsylvania road last week. Young ladies with flowers at all stations made their appeal to passengers going to and from the city. This was also quite successful.

The Robert Craig Co. has a large force working all day and often at night, getting out their orders. They report a better business through the mails and from their traveling rep-

resentatives than they have ever done before. Their stock of ferns is without doubt the largest in the country.

The Jos. Heacock Co. has finished installing the new boilers at Wyncote. Kentias are moving out in quantity, large shipments being made at this time so as to avoid danger from frost.

K.

Cleveland Notes.

A recent visit to the extensive range of the J. M. Gasser Co., Rocky River, showed a great stock in fine condition. There is a large area in carnations and roses and all are good. One section where My Maryland roses are grown from last year's plants, was particularly noticeable. There has been an immense cut from My Maryland throughout the summer and they promise well for the winter. The stems are very long and the buds large and well developed. The carnations are beginning to bloom freely. The Killarney and other rose sections show fine clean stocks and promise well. We have never seen a finer stock of poinsettias, both for cutting and in pots and pans. There is also a large mixed stock of orchids, and various other plants, necessary in the extensive trade of this company. A new house was erected the past summer and a large part of this is now planted to sweet peas. Lilies and bulb stock is also prominent. Foreman Frank A. Friedly is to be congratulated on the excellent work he is doing.

We believe that branches of the Graham Clan may be found in every civilized country, but the Grahams who here in the United States are the most noted in horticulture and bowling, do business in Cleveland. The firm of A. Graham & Sons is very active in the business and whether one visits their greenhouses or store one is sure to see something worth while.

At 3600 West Twenty-third street, opposite Riverside Cemetery, Fred C. Witthuhn has a modest range and store and is doing a good business. Last season he visited Germany and accompanied 150 German florists on a trip through the leading horticultural establishments of France. His reminiscences of what he saw there are interesting and instructive.

Miss Jane Eadie of the James Eadie Co., who has been in poor health for a year, is now in a local hospital. When sufficiently improved it is planned that she shall go to Southern California for the winter. At the range of this company, Foreman A. P. Shirring, who has been with them for over twenty years, has a fine general stock.

Manager Williams of the Cleveland Cut Flower Co. is looking forward to an exceptionally good season and as an experienced man in the business his forecast is valuable. At his large range in the East End there is a great stock coming on, much of the space being devoted to roses and carnations.

The McCallum Co. has just closed its first year of business in this city and Manager Potter is much gratified with the results. In their supply department they are now well stocked with the Christmas requisites and will doubtless have a rushing trade.

The store of the Jones-Russell Co. at the intersection of Huron Road and Euclid avenue, is another of the show places of that part of the city. Admirably located for display purposes,

this advantage is improved by artistic window decorations.

The store of Smith & Feters on Euclid avenue continues to show the choicest flowers and to sell them in enormous quantities.

Boston.

MARKET HAS BETTER TONE.

The market still holds firm with a tone somewhat better than last week. White carnations sell well, but the colored sorts go slower. Chrysanthemums are coming in freely, both yellow and white, American Beauties are in good demand. Madame Russell, Taft, double Pink Killarneys and Cardinal are the king pins on the market just now. Asters are on the last lap. Violets are seen in limited quantities, but the quality as yet is inferior. There is a fair demand for gladioli. Lily of the valley is exceptionally fine just now. There is a general feeling that we are entering into a good winter's trade.

NOTES.

With the change of one of the markets to Winthrop Square as was mentioned in a former issue, many see an important step in the making of a flower district. We have leather, wool, iron, banking, seed and plant districts, and if a flower district can be made it will be much better for all concerned. With two wholesalers, N. F. McCarthy and Welch Bros., a start has been made and trade will have a much broader scope. With the addition of all the other interests as we have often advocated, Boston could have a central market instead of the scattered way it is at present.

Boston felt big this week with the meeting of the International Chamber of Commerce at Copley Plaza.

MAC.

Akron, O.

The oft-told tales of the cities that sprang up in a night in the days of the discovery of rich mineral deposits are almost paralleled by the growth of Akron, O. The census of 1910 gave this city a population of 69,067, but now some estimates place it at 100,000, while some enthusiastic citizens claim from 103,000 to 105,000. All this has been brought about by the growth of its great rubber industries. To a stranger the size of some of the plants and the extent of the business is astonishing. Is cheering to note that the florists share in the general prosperity. All of them seem busy and optimistic.

The McFarland Co. does a large retail business at the Wooster avenue greenhouses. Improvements have recently been made at this place which shows evidence of prosperity.

J. R. Norton has put up a concrete building which he will use as a combination residence and store; he has also put on a new automobile for delivery.

The old and established firm of H. Heepe's Sons is among the busiest of all. This firm has a large glass area and a fine store on Main street.

D. L. Hollinger is one of the younger florists who are coming to the front. He is erecting another greenhouse.

Edward Schwerdtfeger is building a nice residence and his business is good.

Dennison

DISTINCTIVE TAGS

FOR THE HOLIDAY SEASON

Help to make the Christmas Boxes of Flowers more attractive

The tag is the business card of the florist on the box.

It must represent him in Quality.

Dennison Florist Tag Designs this season are particularly handsome.

Write for samples and allow the Dennison Department of Design to submit a sketch carrying out your ideas of a distinctive florist tag.

Dennison Manufacturing Company

THE TAG MAKERS

Works at Framingham, Mass.

STORES

BOSTON

26 Franklin Street

NEW YORK

15 John Street

NEW YORK

15 West 27th Street

PHILADELPHIA

1007 Chestnut Street

CHICAGO

62 E. Randolph Street

ST. LOUIS

905 Locust Street

SALES OFFICES

Albany, N. Y.

Atlanta, Ga.

Baltimore, Md.

Buffalo, N. Y.

Cincinnati, O.

Cleveland, O.

Dallas, Texas

Denver, Colo.

Detroit, Mich.

Indianapolis, Ind.

Kansas City, Mo.

Los Angeles, Cal.

Louisville, Ky.

Milwaukee, Wis.

Newark, N. J.

New Orleans, La.

Omaha, Neb.

Pittsburg, Pa.

Portland, Ore.

Providence, R. I.

Richmond, Va.

St. Paul, Minn.

San Francisco, Cal.

Seattle, Wash.

Toronto, Ont.



Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice Large White, Yellow and Pink medium **\$2.50** per doz.; large **\$2.50 to \$3.00** per dozen.

Good, Fresh, Short Stem Roses, our selection in lots of 500 or more, at the rate of **\$20.00** per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz,
Extra long	\$3 00
36-inch	2 50
24-inch	2 00
18-inch	1 50
12-inch, \$1.00 per 100; Short, \$4.00 to \$6.00	

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long select.....	\$8 00 per 100
Good length	6 00 per 100
Medium length.....	\$4 00 to 5 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Good.....	\$3 00
Medium.....	2 50
Short.....	2 00

FINE EASTER LILIES.....per doz., \$1 50

Lily of the Valley 3 00 to 4 00

Smilax.....per doz., \$1 75 to \$2 00

Asparagus Sprays..... 2 00 to 4 00

Sprenger..... 2 00 to 3 00

Adiantum..... 1 00 to 1 50

Leucothoe Sprays..... 0 75

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns.....per 1000, 2 00

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457.

Chicago.

EASTERN VIOLETS ARRIVE.

The city trade was very quiet the latter part of last week, but the shipping trade was exceedingly brisk and the market was kept pretty well cleaned up at all times. The supply of American Beauty roses is a trifle larger and is now about equal to the demand. Killarney roses are in fair supply, but White Killarney are scarce. Prince De Bulgarie and Mrs. Aaron Ward roses of fine quality are plentiful and so are Richmond, but the latter do not seem to move. Assters are off the market now and gladioli are fast approaching the end. Eastern violets of fair quality are arriving and orchids are more plentiful. Cattleya Gigas and C. Gaskelliana are going off crop, but C. labiata are received in large quantities. Cattleya Bowringiana are seen and Dendrobium are also included in the shipments. Oncidiums and Odontoglossums arrived last week and orchids in general have dropped considerably in price. Chrysanthemums are more abundant and the shipments include Golden Glow, Monrovia, October Frost, Smith's Advance and Unaka. Carnations are advancing in quality each week and the prices are much higher. Lilies are none too plentiful and the supply of lily of the valley is short. The local trade was better on Sunday and also pretty lively on Monday. The shipments of stock are larger and the supply of roses especially is increasing. Good Brides are now arriving and are having a good call. Dahlias are seen everywhere and colored water lilies are prominently displayed in one of the downtown store windows. Gardenias are still short and home-grown single violets made their appearance on the market this week. There are plenty of all kinds of greens and fine smilax is obtainable. The large dec-

orations in the loop stores call for a large quantity of flowers and greens and the State street stores are using chrysanthemums and American Beauty roses quite extensively in their windows. The supply houses are making large displays and each one seems to be featuring ruscus. Carnations are very scarce now and the market is cleaned up at very early hours. Pompons and home grown single violets are now being received.

NOTES.

H. C. Wendland left on September 30 for Chatham, N. B., to join Wallace Pierson, of Cromwell, Conn., and to hunt moose in the nearby woods. Mr. Wendland is a bull mooser and he jokingly says that his mission there is chiefly to secure a fine set of antlers to present to Teddy when he is elected next November.

E. E. Pieser, of Kennicott Bros. Co., says that the Chicago Carnation Co. has all his peony plants aboard the cars and that one-half will be sent to his farm at Villa Ridge and the remainder to the new Jurgen-Kennicott farm at Calumet, Mich.

J. F. Kidwell says that Chas. McCauley and the Wellworth Farm Greenhouses are having a close race for first quality in the Killarney rose division at the Chicago Flower Growers' Association store.

Chas. L. Washburn says that Bassett & Washburn are having a very brisk demand for chrysanthemums and that his firm's shipments now include Golden Glow, Monrovia, October Frost and Unaka.

J. Bergstrom, foreman of the H. W. Buckbee greenhouses at Rockford, was in the city this week on business. He says his employer is about to open a branch store in that city.

A. Lange had a special sale on orchids on September 30 when he dis-

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

posed of 1,000 cut blooms of Cattleya labiata at retail at 35 cents each.

Harry Manheim says that Hoerber Bros. are cutting from a good crop of Bride roses but the demand far exceeds the supply.

George Stiles, with the Stiles Co., of Oklahoma City, Okla., and bride were in the city on their wedding trip on October 1.

W. E. Lynch, with A. L. Vaughan & Co., has been calling on the growers the past week in the interest of his firm.

Jean Launey, formerly in the retail florist business here, has returned from the east to remain permanently.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

'MUMS. SINGLE VIOLETS. 'MUMS.
CATTLEYAS and WHITE ORCHIDS.
EXTRA FINE LILY OF THE VALLEY.

We can supply all you will need regularly from now on.

CARNATIONS.

We are now supplying first grade. Medium stems. Good flowers.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS.		Per 100
Specials.....		\$3.00	Long.....		\$ 8.00	VIOLETS, Princess of Wales.....		\$2.50 to \$3.00
30 to 36-inch.....		2.50	Medium.....		6.00	ORCHIDS, White Dendrobium, doz.		1.00
24 inch.....		2.00	Short.....		4.00	CATTLEYAS.....	per doz.,	6.00
18 to 20-inch.....		1.50	RICHMOND.			EASTER LILIES.....		16.00
Short stem.....	per 100,	\$4.00 to 8.00	Fancy.....		8.00	VALLEY.....		\$3.00 to 4.00
PRINCE DE BULGARIE, Antoine Rivoire or			Medium.....		6.00	ADIANTUM CROWEANUM.....		1.00
Mrs. Taft.			Good short.....		4.00	SMILAX, per doz.....		1.50
Long.....		\$ 6.00	KILLARNEY.			SPRENGER, PLUMOSUS SPRAYS		3.00 to 4.00
Medium.....		4.00	Long.....		8.00	PLUMOSUS STRINGS, extra long and		
Short.....		4.00	Medium.....		6.00	heavy, each.....	.50 to	.60
MELODY, long.....		8.00 to 10.00	Good short.....		4.00	FERNs.....	per 1,000	1.50
Medium.....		6.00	WHITE KILLARNEY.			GALAX.....	per 1,000	1.25
Short.....		4.00	Long.....		8.00	LEUCOTHOE.....	per 100	.75
MRS. AARON WARD.			Medium.....		6.00			
Fancy long.....		8.00	Good short.....		4.00			
Medium.....		6.00	CHRYSA NTHEMUMS, White and yel-					
Short.....		4.00	low.....	per doz.,	\$2.00 to \$3.00			

Good Supply of Roses

in all the leading varieties including a very fine grade of **American Beauties**. Also large quantities of **Carnations**, **Lilies** and a full line of greens. Our new **Boxwood** is fine and you would do well to include this in your next order.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

PHONES Central 2571-2572
Automatic 48-734

CHICAGO

Wietor Bros. are laying in their fall and winter supply of coal and another week or so will find the bins pretty well filled. Wietor Bros.' range is the third largest in size in this country and the proprietors state that nearly 9,000 tons of coal are used annually to heat it. White Killarney is now in good crop and according to N. J. Wieton this firm has filled all its orders in full.

Curtis Kindler, with the Raedlein Basket Co., and a party of friends have returned from a most enjoyable camping trip in the wilds of northern Wisconsin. Curtis and one of his companions had a thrilling experience on their outing. They wandered too far from camp one day, got lost in the dense woods and were compelled to spend a night in the open.

Dan MacRorie and A. J. Rossi of San Francisco, Calif., spent September

26 and 27 in this city on their way home from the East. During their stay here they visited Frank Oechslein's greenhouses, Vaughan's greenhouses and nursery at Western Springs, and Poehlmann Bros. Co.'s mammoth plant at Morton Grove.

John Zech says that October opened with a rush and that all hands at Zech & Mann's store are kept busy filling both local and shipping orders. Mr. Zech says his shipments of roses and carnations are large and that he has taken care of his regular customers right along.

Paul Blome & Co. arranged the table decoration for a very elaborate banquet at the Hotel La Salle on September 28 and also the decorations for the physicians' banquet at the Germania Club the following Sunday.

E. C. Amling, the well-known whole-

sale and commission merchant, will celebrate his forty-fourth birthday on Thursday, October 10. The E. C. Amling Co. had its first shipment of violets from the east on September 25.

Emil Middendorf and Wm. Paffart, formerly employed at the Chicago Carnation Co.'s greenhouse at Joliet, left October 1 for Florida, where they will make their home in the future.

W. P. Kyle says that Kyle & Foerster did not send out a single telegram during the scarcity of stock, but instead filled all shipping orders in full.

Adolph Benesh, with Winterson's Seed Store, is calling on the trade in the nearby cities in the interest of his firm's supply department.

T. V. Brown returned recently from Brooksville, Florida, to resume his position with A. Lange, the East Madison street florist.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2.00	15-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.....\$6.00
Good, 15.....4.00
Short.....3.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$2.00
Fancy.....1.50
Good.....1.25

HARRISII.....10.00 to 12.50

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Poehlmann Bros. Co. received a large importation of palms at its Morton Grove establishment this week and the shipping season for these and the other decorative stock is now on in earnest. An elevated railroad track is now in course of construction at Plant A and when it is completed an electric motor will haul the loaded cars up the steep incline into the shed, directly over the bins where the bottom of the car will be dropped and the coal dumped in its proper place. This firm uses an enormous quantity of coal and the new system will do away with a lot of unnecessary labor.

Tim Matchen says that shipping trade is fine at the Peter Reinberg store and that the past week has shown a wonderful improvement in the sales. He says he has never known a time at this season of the year when his firm's Richmond roses were so good as they are at present.

The Chicago Rose Co. changed its name on October 1 to Joseph Ziska, and all business is now done under the proprietor's name. New signs will replace the old ones and the new name will appear on the firm's fall catalogue, which is now in the press.

C. Humfeldt and wife, of Clay Center, Kans., visited the Poehlmann greenhouse at Morton Grove this week and were so well pleased with the hustling little village that they did not come back to the city but remained there overnight.

The next meeting of the Chicago Florists' Club will be held at the Union Restaurant, West Randolph street, October 10. Meetings under the new by-laws being held the first Thursday after the first Monday of the month.

Welland & Risch have built a concrete wall around their carnation houses and have just installed a new Krier boiler. Their entire plant is now being repainted.

James Curran reports a remarkable increase in the retail business within the last two weeks. He stands in well with the fire departments in his vicinity and gets nearly all the funeral work from these sources.

At J. A. Budlong's store the report is that the shipping trade is opening up fine and that business is very satisfactory. The call for lily of the valley is brisk and the supply is nearly equal to the demand.

J. B. Deamud says that the J. B. Deamud Co. will have a good supply of gladioli for several weeks yet and that everything is in fine condition at the Des Plaines Violet Co.'s greenhouses.

Fred Meyer, with the Geo. Witthold Co., says that the demand is very brisk for decorative plants and that the shipping trade especially has improved wonderfully.

Jos. Schoos claims that his carnation plants were never in better condition, and the outlook for banner crops with him this year is very encouraging.

C. F. McCormick is expected back from the east this week. Mac says on a postal to Guy French that rings are still cheap. Oh, you wedding bells!

Henry Kruchten, who has been assisting his father at the greenhouses, is again back on his job at John Kruchten's store.

Willie Sgoros has resigned his position with the Madison Floral Co. and intends to leave shortly for Kansas City, Mo.

Vaughan's Seed Store will distribute their azalea importations this coming week. The retail bulb sale they say is good.

Miss Annie Sigmund, formerly with the Chicago Florist, is now in the employ of the Madison Floral Co.

A. Miller, with A. Henderson and Co., is back from a successful trip.

Percy Jones is building a large balcony in his store as an addition to his supply department.

Light frosts about the city have been general the past week.

Visitors: Wm. Rehm, New York; H. A. Barnard, London, Eng.; Hugo Schroeter, Detroit, Mich.; D. MacRorie and A. Rossi of San Francisco, Calif.; George Collins, with Henry Smith, Grand Rapids, Mich.; A. Leideger, with Edlefsen-Leideger Co., Milwaukee, Wis.; J. J. Hess and wife and family, Omaha, Neb., returning from Europe; C. M. Humfeldt and wife Clay Center, Kans.

Washington.

The florists have at last got the interest that was lacking for a long time in a bowling team. We hope that there will always be a team at the conventions, as the last convention was the first time in years that Washington was not represented on the alleys. Team nights will be every Monday. All members of the Washington Florists' Club are welcome.

The funeral of Mrs. John R. McLean, one of the leaders of Washington society, which took place September 14, called for some very large and handsome designs.

Fred Miller, who was with Gude Bros. for 18 years, has left Washington to accept a position as manager for W. & W. Scholtz, of Charlotte, N. C.

ALTON, ILL.—Joseph Krug, a veteran florist of this place, was injured in a runaway September 25. Mr. Krug was thrown from his buggy and struck a telephone pole. He was unconscious for an hour.

BEAUTIES--ROSES

GOOD CROPS OF BOTH, SO LET YOUR ORDERS COME.
Richmond Especially is in Good Supply and the Quality A1.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond	Select	\$8 00
Killarney	Medium	\$5 00 to 6 00
White Killarney	Short	4 00
My Maryland.....		

Mrs. Aaron Ward {	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise..... {	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations		\$ 1 50 to 2 00
Chrysanthemums	per dozen	2 00 to 3 00
Harrisii	per dozen	1 50 to 2 00
Valley		3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000		1 50

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

Fine White Killarney Roses

Good supply, even though stock is scarce. Our Killarney and My Maryland are also fine, and we can supply them in any quantities. Our shipments contain some very choice Lilies and large showy white and yellow Chrysanthemum. A lot more can be said about the quality of our flowers, but you had better give us a trial order and let the stock speak for itself. **DO IT NOW.**

ZECH & MANN, Wholesale Florists,
Long Distance Phone, Central 3284,
162 N. Wabash Ave. **Chicago**

St. Louis.

MARKET VERY POOR.

The market was decidedly poor during the last week. The five wholesale houses had hardly enough stock to fill orders. There are some good carnations and roses, also good long stemmed American Beauties. The outdoor flowers are about over. White Smith's Advance and Golden Glow are the only varieties of chrysanthemums seen.

NOTES.

The Grosvenor Gardens flower shop has closed. Edwin Hay, proprietor, has just returned from the east and is not yet decided as to the future.

The Diemer Floral Co. is doing a nice business. Mrs. Diemer filled several large American Beauty rose orders the past week.

Alex. Siegel has found it a mighty hard proposition finding bargains in roses during the past week.

Miss Marie Richardson, formerly

employed in the downtown district, is now with Theodore Miller.

All the wholesale houses since September 15 have kept open till 6 p. m. daily, Sunday excepted.

George Angermueier had some special fancy carnations, also some very choice lilies last week.

The Riessen Floral Co. was very busy last week with decorative and funeral work.

Oscar Hebbermann reports a good trade.

THE HOME OF BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"



OUR MOTTO:

HONEST DEALINGS

GOOD VALUES

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money**.

We **grow our own stock**, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit**.

We are cutting heavily in **Roses, Valley and Carnations** and as such are **well supplied to take care of your wants**. Our **Carnations** are without exception the **best** in our market for so early in the season.

J. A. BUDLONG, 82-86 E. RANDOLPH STREET, CHICAGO.

Wednesday night a light frost occurred in the lowlands. It was probably severe enough to shorten up all outside stock.

W. Pilcher says his violets are looking well. They are handled exclusively by the Wm. C. Smith Wholesale Floral Co.

Joe Ent, of the Union Florist store, has a very pretty place. He has erected a fountain with gold fish and ferneries.

A new retail store will shortly open downtown. It will be located on Tenth street.

Adolph Ahner is cutting some very choice White Wonder carnations.

W. F.

Columbus, O.

BUSINESS GOOD.

Cold rains and dark skies have created a change which is already noted both in shortage of stock and strengthening of the plants. Business, which has been good, is increasing. The demand is in excess of the supply, owing to the scarcity of outside flowers. Carnations are showing a marked increase in quality. Roses are coming on in fine shape. There has been an increasing demand for orchids, especially for weddings. Chrysanthemums are being placed on the market. The quality as a rule is good. Asters are a thing of the past. Those who have been reaping a harvest on outside stock will soon have to fall back on carnations, roses and pot plants.

NOTES.

O. G. Grice, superintendent of Livingston's True Blue Greenhouses, reports everything in growing condition. They are now cutting early mums and their carnation cut averages 700 a day.

F. C. Viereck, Proprietor of the Fulton Market Flower Shop, has a great many large weddings booked for early in November. The largest of these is in West Virginia.

The force at Wilson's Seed Store say they have a good business with increasing sales on cut flowers. They are holding their fall sale of plants and ferns.

Wm. J. Brust, who opened a cut-flower store on the West Side, reports a good business, especially in design work.

M. A. Leganger, representing the A. L. Randall Co., Chicago wholesalers, was calling on the florists recently.

Howard & Co., report a good cut flower trade and many funeral designs, wedding bouquets and table decorations.

Underwood Bros. report business very good for the season. Demand for cut-flowers, palms and ferns is heavy.

Business at the John R. Hellenthal place is in full swing. All crops are promising and business is booming.

The Munk Floral Co. reports a good trade for the season. Out of town shipments are increasing.

S. F. Stephens has everything in good shape for business. He is propagating much miscellaneous stock.

A look around E. Metzmeier's establishment shows everything in good shape for winter.

The Art Floral Co., which has had a nice trade all summer, reports receipts heavier.

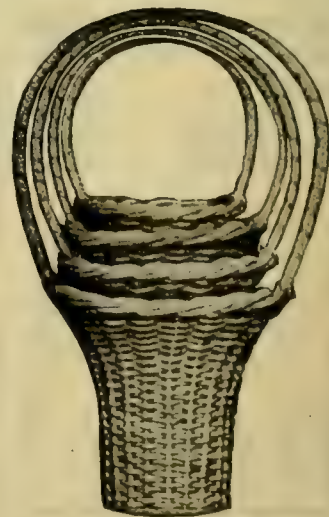
A visit to C. E. Stone's found him very busy getting his houses in shape for winter.

Chas. Buehler is busy building.

L. S. B.

DEVON, PA.—The Devon Horticultural Society held its annual show September 19 and 20.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice President.

GEO. C. WEILAND, Sec'y

ANTON THEN, Treas

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS.

Chrysanthemums

Beauties

White Killarney

Lilies

Carnations and

Valley

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Gladioli.....	6.00	4.00	3.00				
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Asparagus Plumosus Sprays..per 100	4.00	3.00					
Asparagus Sprengeri Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Cincinnati.

MARKET CLEANED UP DAILY.

The wholesalers clean up each day in easy fashion. On many of the days it seems as though more might have been utilized by the stores. The average price, too, is very good and there is a splendid call from out of town. Roses are in good supply and are selling nicely. Among those offered are Pink and White Killarney, Richmond, Rhea Reid, Brides, Bridesmaid, My Maryland, Taft and Sunburst. The American Beauty supply is still short of actual needs and as a result those that come in are quickly taken up. The request for carnations is good. The bulk of the offering is Enchantment but a good assortment of the other varieties and colors are also to be had. The stock is as a whole in first class condition and many are of such a length and shape that they may easily be utilized for any purpose required of them. Chrysanthemums come in regularly and at the present time are bringing the highest prices. The quantity is not as yet very large but if reports from various growers are true the next fortnight should see a goodly supply. Cosmos and dahlias are proving good sellers. All that come in are sold readily. The supply of giganteums is very short. The same is true of lily of the valley. Both enjoy a very strong call. Business in all kinds of greens is good. Orchids

are offered. New boxwood will be added to the list this week.

NOTES.

James Caldwell, a well known grower, living in Cumminsville, was killed in an automobile accident last Sunday. The machine in which he was riding went over an embankment at Venice, Ohio.

The growers of Boston ferns and the like who are supplying the local retailers have been furnishing them with a quality of stock that they have never before equaled at this time of the year.

Chas. Garvey, at the head of Peter Weiland's store, was summoned home to Indianapolis on Saturday. His father is very ill.

E. G. Gillett and wife were members of a large party that made an auto trip to Dayton, Sunday.

Charles Hoffmeister and wife celebrated their silver wedding anniversary on Saturday.

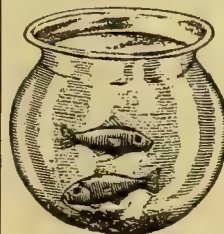
Dan Carmichael of the J. M. McCullough Sons Co. goes east next week on a business trip.

P. J. Olinger and wife had as their guest last week Mrs. M. Weiland of Evanston, Ill.

C. E. Critchell is finding a very good call for the fine valley he is receiving. Miss Elsie Holmes of McCullough's force is to be married this week.

Visitor: B. H. Klus, Anderson, Ind. H.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog.

AUBURNDALE GOLDFISH CO.,

920 W. Randolph Street,

CHICAGO.

Fresno, Calif.

The flower trade has been good here this summer and the prospects for fall and winter are bright. As there are no growers here, chiefly on account of the hot dry summers, the florists' stocks are shipped in from San Francisco, Oakland and Los Angeles. This place is a growing city of about 40,000. There are two florists here.

SAN DIEGO, CALIF.—Horticultural and agricultural subjects instead of Latin, mathematics and history, will be the new order at the Ramona union high school, according to the faculty.

"The Busiest House in Chicago."

MUMS

Extra Large White and Yellow Blooms of the
Finest Possible Quality.

ROSES, CARNATIONS, VIOLETS

And all other seasonable stock. We will have a regular supply of home grown single and double violets from now on and would suggest that you place a standing order with us. **WE WANT YOUR BUSINESS.**

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, Asters, Gladioli and Greens of all kinds.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

San Francisco.

WEEK IS SATISFACTORY.

The last week, like the preceding one, opened up with a hot spell which promised a lot of soft or wilted stock, but again a brisk demand moved it so fast that there was but slight loss and such as there was applied only to cheap or inferior grades. There being no orchids offered, chrysanthemums were the whole show, a brisk demand for White Queen boosting the price up to \$2.50 a dozen. Other good varieties arriving during the week were Alice Byron, Hunter, Crocus and some short-stemmed Bonnaillon, the best of these all bringing \$1.50 a dozen. These prices may not prevail long, as stock is coming in quite plentifully and a few days of dull business will set them tumbling. For roses prices are stationary, American Beauty leading at \$2.00 a dozen for best long-stemmed stock. Marylands, Kaiserin, Richmond, the Killarneys and Ulrich Bruner sold at 35 cents, 50 cents and 75 cents a dozen, according to grade, Marylands leading them all for quality. Carnations are improving daily and move well at 20 cents a dozen for the best, with the exception of a limited stock of a local variety, A. B. Spreckels, which brings 75 cents a dozen. Liliun spec. roseum is about done for. A few short giganteum are still offered but probably not for long. Valleys are good and clean up steadily at 50 cents a dozen. Green goods and all the seasonable outdoor stock are plentiful and sell well. Taken in all

the past week has been very satisfactory to both wholesalers and retailers.

NOTES.

The Japanese envoys have selected the site for the Japanese garden which is expected to be an important feature of the fair; it is stated that \$1,000,000 will be spent on this garden and at the conclusion of the fair it will be presented to the city to be maintained permanently.

Alfred Serveau is the recipient of many congratulations on the arrival of a pretty little daughter. Emile Serveau, Alfred's father, is wreathed with smiles over the welcome addition to the family.

E. W. McLellan is off to Portland on a business trip. Geo. Theuergarten, foreman at the Ferneries, is out of the hospital and recovering fast from a severe illness.

D. Mac Rorie and Angelo J. Rossi, touring the eastern states and Canada, were expected home the first part of October.

The Lacy Co. of Elmhurst is sending in some fine King gladioli and Ulrich Bruner roses.

South Auburn, Neb.

The cut flower trade for this fall is starting off well, but carnations and roses are very short-stemmed owing to the dry, hot summer. A decided improvement when greenhouse cutting begins is looked for. The demand for blooming potted plants is quite good. Geraniums and ferns sell well. The prospects for a fine season are splendid.

C. G. M.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

Won Lost		Won Lost	
Orchids	4 2	Violets	3 3
Roses	4 2	Carnations	1 5

Individual and team scores for games played September 25:

Orchids.		Roses.	
Ross	160 146 172	Goerisch	143 122 120
Graft	121 152 213	Welsh	91 133 150
Cohen	107 118 138	Price	150 172 167
Eco'plus	136 134 104	Eyers	161 140 159
J. Zech	156 177 180	Fischer	148 130 191
Totals	737 677 702	Totals	693 728 827
Violets.		Carnations.	
A. Huebner	162 150 147	Lorman	117 111 91
Jacobs	141 127 91	Lieb'm'n	170 109 144
Cole	132 116 143	Armst'ng	142 145 115
Schultz	160 155 160	Brunke	94 138 149
Huebner	192 129 161	A. Zech	164 169 145
Totals	737 677 702	Totals	687 674 644

CHICAGO FLORISTS' CLUB LEAGUE.

Individual and team scores for games played October 1:

Richmonds.		Aaron Wards.	
Christ	123 141 97	Bergmann	141 191 159
Wilson	94 118 152	J. Kr'ten	115 128 136
Begman	142 148 134	Potocka	113 118 149
French	129 99 86	Balliff	175 168 177
Farley	159 168 132	Blink	139 145 125
Totals	647 574 601	Totals	683 750 740
Am. Beauties.		Killarneys.	
Krauss	150 125 138	Price	152 146 190
Lazaroff	133 208 115	H. Kr'ten	144 144 142
Friedman	163 131 124	Stift	101 95 79
Schaffer	136 136 124	Sweeney	149 155 155
Foerster	141 184 179	Arnus	151 128 139
Totals	732 884 680	Totals	697 698 705

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

Fast Lock Wire Designs

SOMETHING NEW. SEND FOR CATALOG.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - **CHICAGO**

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

H. Wittbold

Wholesale Florists and
Decorating Special's.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones } Randolph 4708—Office.
 } Rogers Park 227—Nursery.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



Southampton Horticultural Society.

The regular monthly meeting of the society was held in the Odd Fellows hall September 5, President U. G. Ager in the chair. The secretary of the flower show read a report showing a balance of \$400 left over after paying expenses. It will be equally divided between the Fresh Air Home and the Southampton Hospital. A letter was ready from Chas. Totty, asking the society to offer some premiums for the National Flower Show. On motion the letter was laid on the table until next meeting. Two new members were elected. A committee of three was appointed to get full information regarding having the society incorporated and report at the next meeting.

WM. McLEOD,
Cor. Sec'y.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Oct. 2.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 30-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 8 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Kaiserin Augusta Victoria.....	3 00@ 8 00
Carnations.....	2 00@ 3 00
Cattleyas.....	per doz., 6 00
Chrysanthemums doz., 2 00@ 3 00	
Orchids Dendrobium, per doz., 5 00	
Daisies.....	75
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Valley.....	2 00@ 4 00
Lilium Harrisii.....	12 50@ 15 00
Violets, Princess of Wales.....	1 00
Adiantum Croweanum.....	1 00
Ferns.....	per 1000, 1 50
Galax.....	1 25
Leucothoe.....	75
Plumousus Strings.....	each, 50@ 60
Smilax.....	per doz., 1 50@ 2 00
Sprengeri, Plumousus Sprays.....	3 00@ 4 00

COUNCIL BLUFFS, IA.—De Giorgi Bros. are erecting a two-story brick building at Fourteenth avenue and Third street, at a cost of \$7,000.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **CUT FLOWERS**

Growers of

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses, Red, White and Pink Carna-
tions, Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

C.C. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Philadelphia.

DEALERS INCREASING STOCK.

While the trade is dull and there is not much doing in the stores, all are making a bid for business with an increased stock of flowers and more attention to the windows. This demand, together with a few early weddings and other decorations, has kept the stock from accumulating to any great extent. The dahlia dominates the market. All classes of roses are much improved, although there is considerable mildew still clinging to the tea varieties. American Beauties are in good demand each week, showing quite an improvement in the quality. The newer sorts—Sunburst, Lady Hillingdon and Mrs. Ward—are seen with longer stems. They appear to find favor with the public. Some very good carnations are offered and sell fairly well since the asters are out of the way. Easter lilies have been scarce the past week, the growers seeming to be afraid to force any quantity for the dull market. Hundreds more would have found ready sale. Wistaria is in good supply, and cattleyas are far too plentiful, selling as low as \$3 per dozen. Golden Glow chrysanthemums of splendid quality have been in demand, the market cleaning up every day. Monrovia is now in, but the flowers should have been left in a week longer. Smith's Advance is too poor a flower and is not a good seller. Gardenias are plentiful and in fair demand. K.

CHATTANOOGA, TENN.—M. C. Wright, representing the Lord & Burnham Co., recently was here conferring with Commissioner Warner relative to the erection of a greenhouse at Warner Park.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Oct. 2.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@6 00
" Killarney.....	3 00@8 00
" White Killarney.....	3 00@8 00
" Liberty.....	3 00@8 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., -50@2 00	
Dahlias.....	2 00@4 00
Gardenias..... per doz., 1 00@2 00	
Gladioli.....	2 00@4 00
Lilium Harrisii.....	8 00@10 00
Lilium Longiflorum.....	3 00@5 00
Lily of the Valley.....	1 00@2 00
Asters.....	75@1 00
Marguerites.....	3 00@4 00
Snapdragons.....	40@50
Sweet Peas.....	2 00@4 00
Water Lilies.....	75@1 00
Adiantum.....	15 00@20 00
Asparagus..... per bunch, 50	
Smilax.....	15 00@20 00

PITTSBURG, Oct. 2.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@6 00
" My Maryland.....	2 00@6 00
" Richmond.....	2 00@4 00
Asters.....	1 00@4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, Oct. 2.	Per 100
Roses, Beauty, per doz., 75@2 50	
" Killarney.....	3 00@8 00
" Richmond.....	3 00@8 00
" White Killarney.....	3 00@8 00
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@8 00
Carnations.....	1 50@3 00
Chrysanthemums, white and yellow..... per doz., 1 50@2 00	
Dahlias.....	2 00@3 00
Gladioli.....	2 00@3 00
Lilium Giganteum..... per doz., 1 75	
Lily of the Valley.....	3 00@4 00
Adiantum.....	1 50
Asparagus..... per string, 50	
Sprengeri, per bunch, 25@35	
Ferns, Fancy..... per 1000, 1 50	
Oak Sprays, prepared.....	1 00

MORRISTOWN, PA.—The Montgomery County Horticultural Association held its fourth annual exhibition September 25.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots. Machine for applying Mastica, \$1.25 each. Peerless Glazing Points per 1000, 60 cents. Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO

Mention the American Florist when writing

Dahlias, \$1.50==\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

MONTREAL FLORAL EXCHANGE, LTD.

Organized for the Benefit of the Canadian Trade.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION

Home grown stock a specialty. Strictly wholesale; nothing sold at retail

Ample reference furnished as to standing and financial ability of the company.

123 Mansfield Street, - - - MONTREAL, P. Q.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

Acacia Pubescens, American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock.

Wholesale Flower Markets

BUFFALO, Oct. 2.	Per 100
Roses, Beauty, special	20 00@25 00
" " fancy	15 00@20 00
" " extra	12 00@15 00
" " No. 1	6 00@10 00
" " No. 2	2 00@4 00
Maid and Bride	3 00@6 00
Pink Killarney	3 00@6 00
White Killarney	3 00@6 00
Richmond	3 00@8 00
My Maryland	3 00@6 00
Kaiserin	3 00@8 00
Carnot	3 00@7 00
Asters	50@1 50
Carnations	1 00@2 00
Chrysanthemums, white	15 00@20 00
" " yellow	10 00@15 00
Dahlias	1 00@2 00
Gladioli	2 00@3 00
Lilium Longiflorum	8 00@12 00
Lily of the Valley	3 00@4 00
Pink Japan Lily	3 00@4 00
Swainsona	50@1 00
Adiantum Croweanum	75@1 50
Asparagus, per bunch	35@ 50
Asparagus, Sprenger	35@ 50
Ferns.....per 1000, \$1 50	
Galax.....per 1000, \$1 50	
Smilax.....	15 00

BOSTON, Oct. 2.	Per 100
Roses, Beauty, best	20 00@25 00
" " medium	12 00@20 00
" " culls	2 00@4 00
" " Bride, Bridesmaid	50@6 00
" " Extra	1 00@8 00
" " Killarney and Richmond	1 00@8 00
" " My Maryland	2 00@8 00
" " Carnot	6 00@8 00
Carnations, select	1 50@3 00
Callas	8 00@12 00
Cattleyas	50 00@60 00
Chrysanthemums	8 00@16 00
Gardenias	12 00@16 00
Lilium Longiflorum	6 00@8 00
Lily of the Valley	2 00@4 00
Sweet Peas	35@ 50
Smilax	12 00@16 00

CINCINNATI, Oct. 2.	
Roses, Beauty.....per doz., 50@ 3 00	
" " Bride, Bridesmaid	2 00@8 00
" " Killarney	2 00@8 00
" " My Maryland	2 00@8 00
" " Perle	2 00@8 00
" " Richmond	2 00@8 00
" " Taft	2 00@8 00
Chrysanthemums.....per doz., 2 00@ 3 00	
Carnations.....	1 50
Lilium Giganteum.....	8 00@10 00
Lily of the Valley.....	3 00@4 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch, 25	
Asparagus Sprenger.....per bunch, 25	



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburgh, Pa.

St. Louis, Oct. 2.	Per 100.
Roses, Beauty, short stems	3 00@6 00
" " Killarney	2 00@4 00
" " My Maryland	3 00@5 00
" " White Killarney	2 00@6 00
Asters	1 00@2 50
Easter Lilies	12 50
Gladioli	3 00@4 00
Lilium Rubrum	5 00@6 00
Valley	4 00
Asparagus Sprenger	2 00@3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy	1 50

LOS ANGELES, CALIF.—The County Horticultural Society has registered a protest with the city council against the new \$80,000 greenhouse being constructed in Eastlake Park. The charge is made that the building is too dark and has other serious defects.

THE J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

BUSINESS DISAPPOINTING.

The activity in the market the early part of the week did not continue, and at present the situation is anything but satisfactory. However, this does not apply to everything, as white flowers, especially white roses, were scarce and cleaned up nicely. Carnations are much more in evidence and the quality is very much better, but prices are lower than a week ago. Lily of the valley is moving slowly. There is plenty of it to be had, with only a moderate demand. There are some magnificent gladioli on the market that command very good prices. This is especially true of the variety Mrs. Frances Pendleton, Jr., and some of the other choice flowers. Roses are not so plentiful, but with the exception of the white varieties are moving slowly. American Beauties are of very good quality—no change in quotations. There is an increasing demand for Prince de Bulgarie, and all grades of this rose are selling better. Yellow roses are very plentiful, but there is call for only the top grades of these, as there seems to be no use for short stemmed ones of this color. There is the usual demand for small lots of the other varieties. Violets are arriving daily but are of poor quality. Gardenias move slowly. Orchids are in large supply and the demand for any of the varieties is very disappointing and prices have taken a decided slump. Chrysanthemums are now arriving in very large quantities and of very good quality, but the quotations are only about one-half of what was asked a year ago for the same varieties. There is still an abundance of outdoor grown flowers, such as tritomas, asters, gladioli, celosia, hydrangeas, cornflower and dahlias. The quality of dahlias is of the best—better than ever before probably—but only a few of these bring good prices.

Monday, September 30.—Weather cool and bright. Stock shortened up considerably and as usual on Monday mornings the market is quite active.

NOTES.

Traendly & Schenck are receiving a grand lot of orchids from Komitsch & Junge, Secaucus, N. J., and among those noticed as being especially fine were *Cattleya labiata*, *Cattleya Bowringiana*, *Cattleya gigas*, *Oncidium splendendum*, *Oncidium varicosum*, *Odonoglossum grande*, *Dendrobium Phalaenopsis* and *formosum*.

The daily press has been giving elaborate notices of the new roses exhibited at the American Institute Show, "Milady," by A. N. Pierson and the new pink seedling No. 190 exhibited by Charles H. Totty.

Walter F. Sheridan is receiving a good lot of roses, carnations and lilies. George Young, Clifton, N. J., and Dean & Co., Little Silver, N. J., have begun shipping to this establishment roses from the new crop.

The next club meeting will be Monday, October 14, which Chairman I. S. Hendrickson of the exhibition committee announces will be dahlia night. The November meeting will probably be ladies' night.

George Daides, for years a grower and landscape gardener of Litchfield, Conn., and later with Alexander McConnell, has opened a retail store at Amsterdam avenue and One Hundred and Tenth street.

Young & Nugent have been extremely busy with funeral work the last week. Mr. Nugent is quite satisfied with the sales made in their lately established seed and bulb business.

John P. Cleary, vice-president and auctioneer of the Flower Auction Co., is well pleased with the progress made in the sales of plants and supplies.

Herbert Brown and Mrs. Brown, of Richmond, Va., left for home Tuesday,

after a week's stay here, the guests of John Donaldson and wife.

There will be an important meeting of the committee on publicity on Wednesday, October 2, at the office of Traendly & Schenck.

The Growers' Cut Flower Co. have many more consignors than last year and manager J. J. Coan anticipates a very busy season.

John Meisem of Elmhurst is cutting two hundred dozen lilies daily. Some of these have reached the 10-cent mark.

William Brennecke is sending in some of the finest chrysanthemums of the season to A. L. Young & Co.

William Duckham has been compelled to postpone the date of his sailing for Europe until October 8.

R. H. James of St. Georges, Bermuda, is a visitor; also H. B. Neum of Rochester.

Gomer Waterer will return to England on the "Mauretania" October 2.

Rochester, N. Y.

SLIGHT INCREASE FOR WEEK.

Business for the week has shown a slight increase. Funeral work has made many of the florists very busy. Stock is becoming more plentiful. There is a good quantity of Easter lilies, but the callas are coming very slowly. Very good shipments of chrysanthemums arrive daily, both cut and potted, and find a ready sale. The demand for palms and ferns has been fairly brisk, many of the local florists supplying a number of the booths at the exposition and also to dealers for the fall openings. Carnations are some what better and not so soft. Red ones are very plentiful. Gladioli are coming daily and sell fairly well. Prices on all flowers stand about the same.

NOTES.

A meeting of the general committee of the Rochester Florists' Association was held at G. B. Hart's commission house rooms last Tuesday, to talk over plans for the forthcoming flower show, which is to take place during the first week in November. — Pitkin, landscape artist, was appointed to draw up a landscape view to make an outline of exhibits and to present them at the next meeting, which is to be held Oct. 1.

Horace J. Head has returned from his trip to Europe and is with H. E. Wilson as before. While away he exhibited a floral design "Rock of Ages" at a large floral and horticultural show, held at Langford, Bedfordshire, England, for which he received a certificate "Exceedingly highly commended," signed by the two judges. This design was not for competition.

The ladies of the Rochester Florists' Association will hold a meeting next Wednesday at the Hotel Seneca to talk over plans for the flower show. They expect to have a tearoom in connection with this affair.

The will of the late Charles L. Yates, treasurer of the American Association of Nurserymen, who died September 4, bequeaths an estate of \$25,000, all personal property, to his widow, Ellen B. Yates.

Joseph Werdien has been busy during the second half of the exposition. He is a member of the band which gave afternoon and evening concerts.

Buffalo.

FLOWISTS ALL BUSY.

The last week has been rather busy for all, several weddings and a very large funeral making extra work. The death of one of our city officials, who was also a military and clubman, gave the florists about all they could do to execute the work. Fall flowers are good, especially dahlias, which are in finer variety this year than ever before. Calendulas and gillardias are

good and fill a vacancy that at this time nothing else could.

NOTES.

Active preparations are being made by the different stores and growers for the chrysanthemum show which will start the day after election. General chairman W. F. Kasting will announce his committee appointments on Tuesday at the regular meeting and after that the executive committee will meet and outline their fall plan and get everything in good working order.

The opening of the General Electric building last week was another opportunity for the florists to dispose of all their American beauties, gladioli and chrysanthemums.

The American Foundry convention gave several some good decorating jobs and the banquet was taken care of by Jos. Sangster.

F. W. Brown has a live addition to his famous collection of photos. It is a boy.

John Von Fiebelkorn is again catering to the needs of S. A. Anderson's customers.

Robert Scott and wife are now in their new home on Lafayette avenue. BISON.

American Institute Fair.

The eighty-first fair of this society was held as usual in the Berkeley Lyceum, September 24-26. As in the past this exhibition was in charge of William C. Rickards, who succeeded in making a very creditable display and a nice arrangement, though there were not as many exhibits as in former years.

The feature of the show was the exhibit of 25 blooms of that grand new pink rose "190" by Charles H. Totty, and 25 blooms of the new red rose "Milady" shown by A. N. Pierson, Inc. The collection of dahlias shown by George L. Stillman, Westerly, R. I., also attracted much attention. There was a splendid group of orchids shown by Lager & Hurrell, and a fine group of ornamental flowering and foliage plants by the Julius Roehrs Co. Then there were Gladiolus Primulinus and Sulphur King shown by John Lewis Childs, and a vase of Gladiolus fascinator and "No. 88" shown by E. S. Miller, Wading River, Long Island, but the center of attraction was the exhibit of vegetables grown by the children of the International Children's School Farm League. This was a very creditable display of beans, carrots, corn and a general line of vegetables which reflected great credit on the efforts of the little ones. Henry Griscom Parsons was in charge of this exhibit and explained clearly to the visitors the workings of the league. Y.

Nassau County Horticultural Society.

The regular monthly meeting of this society was held at Pembroke Hall, Glen Cove, L. I., on September 11. President Johnston in the chair. F. W. Grant, Port Washington, and G. Ferguson, Glen Cove, were elected to active membership. J. Holloway offered a cash prize for fruit at the fall show and Gammoek offered a prize for six begonias of the Gloire de Lorraine variety. The judges for the evening's exhibits were Gray, Adler and MacDonald, and the awards were: Honorable mention to James Holloway for collection of outdoor fruit; first prize, to H. Gant for onions; first prize to J. W. Everatt for celery; first prize to H. Boettcher for gladioli. It was voted to offer a silver cup, value \$50, for the National Flower Show, to be held in New York next April, the class to be decided on by the management. The next meeting will be held in connection with the dahlia show of October 9.

JAMES MACDONALD,
(Cor. Sec'y.)

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Traendly & Schenck,**

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1864
1865 Madison Sq.

Consignments Solicited.

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Fines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway
and Sixth Avenue. NEW YORK**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,Wholesale Commission Florist, SELLING AGENTS FOR
LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328, 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK, Oct. 2.	Per 100
Roses, Beauty, special.....	10	00@25 00
" extra and fancy ..	6	00@10 00
" No. 1 and No. 2 ..	1	00@ 6 00
" Bride, Bridesmaid.....	2	00@ 4 00
" extra and fancy.....	50	@ 2 01
" No. 1 and No. 2.....	3	00@ 5 00
" Killarney, My Maryland..	2	00@ 3 00
" extra and fancy ..	50	@ 1 00
" No. 1 and No. 2 ..	50	@ 6 00
" Taft, Hillingdon, Aaron	50	@ 4 00
" Ward.....	50	@ 2 00
" Richmond.....	30	00@50 00
Asters.....	8	00@15 00
Carnations.....	4	00@10 00
Cattleyas.....	2	00@ 3 00
Gardenias.....	15	@ 50
Lilies, Longiflorum and Harrisii ..	15	@ 50
Lily of the Valley.....	15	@ 50
Adiantum Croweanum.....	15	@ 50

M. C. FORD

Successor to FORD BROS.

Receivers and shippers of **FRESH FLOWERS.**121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

31 & 133 West 28th St. NEW YORK.

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square.

NEW YORK

Mention the American Florist when writing.

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

1888

1912

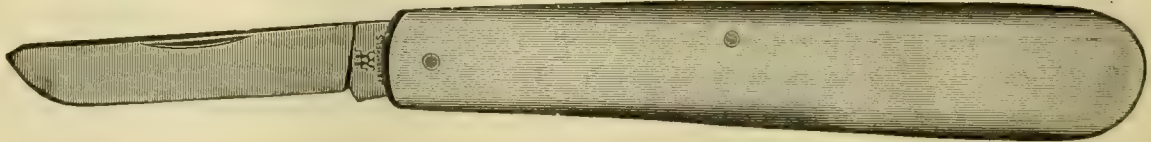
GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 551 Madison Square

CONSIGNMENTS SOLICITED.

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four hours' notice.

PRICE, - - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA.

Fredericton, N. B.

We have had a strange sort of summer. The wettest and coolest for many years. The days are unusually cool. Phlox is now gorgeous. Hollyhocks are looking their best. Asters are of fine size and perfect form. Carnations, mums, roses, smilax, ferns, etc., are all looking well in the greenhouses. The governor-general paid us a visit recently, which made quite a brisk trade for a few days.

The season has not been an ideal one for cucumbers. They are far below the average, also corn. Beans have produced fairly well, but it will be hard to get them ripe. Potatoes are generally a good crop and free so far from rust, but are getting low in price, \$1 to \$1.25 a barrel. Seed onions



The Meyer Green Silkline

The Best Thread on The Market
for **FLORISTS** and **GROWERS**.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.25 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket.....\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists's Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Aves., New York
Telephone 1202 Madison Square.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

are large, but do not seem to ripen off. Other roots, such as carrots, are fine.
J. B.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum moss.

\$1.50 per barrel.

JAMES DAY,

MILFORD, N. H.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heimpl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone 334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

October 8.
FROM BOSTON, Cymric, White Star, 8:30 a. m.
Noordam, Holland-America, 10 a. m.

October 9.
Kronprinzessin Cecelie, North Ger. Lloyd, 10 a. m.
Lusitania, Cunard.
Duca D'Aosta, Navigazione, Pier 64, North River.

October 10.
FROM MONTREAL, Victorian, Allan.
FROM MONTREAL AND QUEBEC, Lake Manitoba, Can. Pac., at daybreak.
Ivernia, Cunard.
France, French, 10 a. m., Pier 57, North River.
Volturno, Uranium.
Celtic, White Star, 12 noon.
Victoria Luise, Ham. Amer., 10 a. m.
Helig Olav, Scand.-American, 2 p. m.
Chinese Prince, Prince.

October 11.
FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.

October 12.
FROM MONTREAL AND QUEBEC, Grampian, Allan.
Cameronia, Anchor, 10 a. m., Pier 64, North River.

FROM MONTREAL, Utonia, Cunard.
FROM PHILADELPHIA, Dominion, American, 10 a. m.

Finland, Red Star, 10 a. m., Pier 61, North River.

FROM MONTREAL, Laurentic, White Star-Dom., at daylight.
President Lincoln, Ham. Amer., 11 a. m.

Clvde, Royal Mail, Pier 42, North River.
Rochambeau, French, 3 p. m., Pier 57, North River.

October 13.
FROM MONTREAL, Scotian, Allan.
New York, American, 9:30 a. m., Pier 62, North River.

October 14.
Calabria, Anchor, Pier 64, North River.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs
Pleasant Hill, Mo. Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDSN. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Barteldes Seed Co., Oklahoma City, Okla.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L., Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hatcher Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldochi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Withhold, Geo., Co., 737 Buckingham Pl., Chicago.
Withhold, 56 E. Randolph St., Chicago.
Wolfkell Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Ziegler Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W F Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

In Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M.A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto - THE GOLDEN RULE
Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. 3rd Street.

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A.W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Roses, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 58 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Oklahoma City, Okla.—Barteldes Seed Co.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Pittsburg—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Hehl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gnde Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders
from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,

The Arcade Florist,

Greenhouses, Granville, O., Phone 26; Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

UR AH J. VIRGIN, 838 CANAL ST.

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Wichita, Kan.

HEAT HURT OUTSIDE STOCK.

"We are here because we are here" would seem to be the best reason to give for the existence of the florists here during the past few weeks. The prospect for the late fall crop of asters was fine until the last week of August, when two weeks of hot, dry weather finished up with a week of almost record breaking high temperature, accompanied by dry, hot winds. This took the life out of asters, dahlias, etc., in spite of plenty of water supplied to the soil. And the florists are about ready to subscribe to the unpoetical but picturesque declaration that "life is just one darn thing after another." However, the same philosophy says, "Keep a-goin'," so all are busy with the fall work. Carnations are all in and looking well. Chrysanthemums are up to the usual standard for this date, and the prospective supply seems to promise the largest crop ever produced in this locality.

The above is true about all regions. Chas. P. Culp and wife were the Wichita florists at the convention and all spent some time in Chicago and elsewhere, returning home the first week in September.

The drouth was broken Sept. 13 by a general rain, lasting more or less steadily for 48 hours and giving a total precipitation of about 2 1/2 inches.

W. H. C.

FREDERICK, MD.—Frank C. Hargett gave his second annual floral reception at his home, September 12. The reception was held in Mr. Hargett's beautiful flower garden, which he transformed in a short time from an unsightly stable yard.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,

Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Oklahoma.

Barteldes Seed Co
FLORAL DEPARTMENT

Cut Flowers and Funeral Designs.

Oklahoma City, Okla.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery.

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high.	Each
2½-in.	4	8 to 10.	1 50
3-in.	5	12	2 00
4-in.	5	15	3 00
5-in.	6 to 7	18	4 00
6-in.	6 to 7	24	5 00
6-in.	6 to 7	26 in. high.	6 00
6-in.	6 to 7	28 to 30.	8 00
Cedar tub	Leaves	In. high.	Each
7-in.	6 to 7	34 to 36.	10 00
9-in.	6 to 7	40 to 45.	12 00
9-in.	6 to 7	42 to 48.	15 00
9-in.	6 to 7	48 to 54.	18 00
9-in.	6 to 7	5 ft.	20 00
9-in.	6 to 7	6 to 7 ft.	25 00
Cocos Weddelliana			
Pot	In. high		Per 100
2½-in.	8 to 10.		\$10 00
9 in.	Several	5 ft.	\$7 50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$2 50
7-in.	4	36 to 40.	3 00
9-in.	4	40 to 42.	4 00
9-in.	4	42 to 48.	5 00
9-in.	4	48 to 54.	6 00
9-in.	4	5 ft.	7 50
12 in.	4	5½ to 6½ ft.	15 00
Phoenix Roebelenii			
Pot	5-in., nicely characterized		
	6-in., 18 to 20-in. spread.		
Cedar tub	High	Spread	Each
7-in.	18-in.	24-in.	\$2 00
Clbotium Schiedeii			
Cedar tub	Spread		Each
7-in.	2 to 2½ feet		\$2 00
9-in.	4 feet.		4 00
9-in.	5 feet.		5 00
9-in.	6 feet.		6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy. With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO., Wyncote, Pa. Railway Station. Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted, carefully packed—to reach you in good growing condition.

November delivery—S. A. Nutt, \$12.50 per 1000.

Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus in season. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon	6 00	50 00
May Day	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DESPLAINES FLORAL CO.
DES PLAINES, ILL.

Begonia Glory OF CINCINNATI

250 strong plants in 3½-inch pots, ready for 6-inch pots, \$40.00 per hundred.

A. SUNDERBRUCH & SONS,
CINCINNATI, O.

Freezing Weather Is Near!!!

Buy your Decorative Stock while we can still make freight shipments. Our stock never was finer.

Araucaria Excelsa.—4-inch, 8 to 10-in. high, 2 to 3 whorls, each, 50c; per doz., \$5.50.

Bay Trees.—We still have a few choice Baby and Full Standards. Write.

Chrysanthemums—Bush plants suitable for show. Ask for varieties, size and prices.

Begonia Lorraine.—4-inch, each 50c; per doz., \$5.00.

Palms.—Choice stock in all sizes of Kentias, Latanias, Phoenix Roebeleni and Pandanus Veitchii. Ask for prices on sizes to suit.

Primula Malacoides.—2½-in., per doz., 75c.; per 100, \$4.00.

N. B.—Our new importation of Boxwood, Oct. 25th to 30th.

CHICAGO VAUGHAN'S SEED STORE NEW YORK

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress,	\$6.00	\$50.00
Enchantress,	6.00	50.00
C. W. Ward,	6.00	50.00
Pink Delight,	6.00	50.00

F. F. SCHEEL, SCHERMERVILLE, ILL.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendell,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

POTATO reports are generally favorable.

TUBEROSE crop reports to date indicate that the bulbs have made a good growth.

WICHITA, KAN.—The Central Seed & Feed Co. will be sold by the receiver, W. F. Puckett.

THE harvesting of gladiolus bulbs is now general and the prospects are for a good yield of large bulbs.

Now is the time for seedsmen who looked for seed corn last spring to lay in their full supply while selection can be carefully made and seed cured under shelter.

A. LE COQ & Co., the European grass seed specialists, under date of September 15, say, "We have this year to report a favorable yield of most grass seeds."

VISITED CHICAGO: Wm. Rehm, New York; Harry G. Coy, representing Chauncey P. Coy & Son, Waterloo, Neb.; Joseph Schilder and wife, of Schilder Bros., Chillicothe, O.; Miss Margaret Tomlinson, of the Germain Seed & Plant Co., Los Angeles, Calif., returning from the east; H. A. Barnard, representing Stuart, Low & Co., London, Eng.

THE firm of Shugart & Ouren, Council Bluffs, Ia., is the subject of an interesting article in a recent issue of the Council Bluffs Nonpareil. The company was established in 1892, and has grown rapidly, the last year, one of its best, showing an increase of thirty per cent in the business transacted. The officers of the firm are C. G. Ouren, president; F. R. Davis, vice-president; John P. Davis, secretary; A. P. Schofield, treasurer.

Mail Order Versus Box Seeds.

In the recent bulletin of the Department of Agriculture on the "Germination of Packeted Vegetable Seed," we find the following:

"There is doubtless an economic reason for the higher average quality of the seeds sold by mail-order houses as compared with the seeds sent out by many of the houses selling box seeds. It is possible for a new firm or one without reputation to purchase a large quantity of seeds, put them up in showy packets and boxes, and by means of attractive prices dispose of them to local merchants either on commission or by sale outright. Mail-order houses, on the other hand, are dependent for their trade on proportionately few new customers each year, their business being based largely on the satisfactory quality of their seeds which purchasers have used in previous years.

CHICAGO.—Prices on the Board of Trade October 2 for grass seed were noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.—Carl Cropp, of Vaughan's Seed Store, and wife have returned from Europe.

Long Island Cabbage.

The 1912 crop of cabbage seed on Long Island panned out much better than we anticipated early in the season, and while many varieties are more or less short by reason of largely increased acreage there is enough of nearly all leading sorts to meet the demand.—B.

American Seed Trade Association.

SPECIAL COMMITTEES.

Delegates to National Board of Trade: Albert McCullough and Chas. H. Breck.

Committee on Seed Legislation: Chas. D. Boyles, chairman; A. E. Reynolds, vice-chairman; Geo. S. Green, Kirby B. White, Watson S. Woodruff, W. G. Scarlett and F. W. Bolgiano.

Committee on Postal Laws: W. Atlee Burpee, chairman; J. C. Vaughan, vice-chairman; E. C. Dungan, W. F. Therkildson and C. C. Massie.

Committee on Customs and Tariff: J. C. Vaughan, chairman; Walter P. Stokes, W. H. Grenell, L. L. May and S. F. Willard.

Committee on Transportation: D. I. Bushnell, chairman; R. W. Dulaney, Ben Cornell and E. L. Page.

Committee on Experiment Stations: Alfred J. Brown, chairman; Linnaeus Allen and H. G. Hastings.

Committee on Cost and Overhead Expense: L. B. McCausland, chairman; S. F. Leonard and F. B. King.

Committee to Confer with National Seed Analysts: Chas. D. Boyles, chairman; A. E. Reynolds, vice-chairman; Geo. S. Green, Kirby B. White, Watson S. Woodruff, W. G. Scarlett and F. W. Bolgiano.

Representatives on Joint Committee with Florists and Nurserymen: W. Atlee Burpee, J. C. Vaughan and D. I. Bushnell.

Hardy Alfalfa Tests.

Considerable interest has been aroused through the importation by the United States Department of Agriculture of some new hardy varieties of alfalfa. Little, however, is generally known concerning the characteristics of these new alfalfas or the real purposes of their introduction.

In the search for hardy forms of common alfalfa (*Medicago sativa*) adapted to severe conditions of drought and cold, the potential value of closely allied species became apparent. A yellow-flowered species (*Medicago falcata*) found widely distributed

throughout Eurasia, forms of which thrive on the cold, dry steppes of Russia and similar regions, seemed to be the most promising. For this reason persistent efforts were made to import many valuable forms of this species.

The Department of Agriculture has met with many difficulties in procuring seed in quantity, as it is not handled commercially and in no place is it produced in abundance. The results of tests of the available forms of *Medicago falcata* indicate rather definitely that their chief value is for crossing with common alfalfa to produce hardy and drought-resistant hybrid strains. At present the new alfalfas do not appear to be sufficiently productive to make them generally profitable under cultivation.

The experts do not believe that this yellow-flowered alfalfa in its unselected state is a crop for the farmer to test, even though seed were available. The Department of Agriculture is pushing the work of selection by hybridization of the best forms of this species as rapidly as possible, in the hope that valuable drought-resistant and cold-resistant strains may ultimately be established in general use.

British Crop Damage.

From Cornwall to Durham and from Lancashire to Kent there is one universal lament over flooded lowlands, spoiled hay, inundated pastures, sprouted corn, shed peas, podless beans, diseased potatoes, and unwholesome pastures. Wheat, which, on August 1, worked out to be the worst crop since 1904, is now the worst so far as our records extend. Barley has receded in the principal barley-growing counties from 92.6 to 76, or 5 points below the English average. The crop is in a vast number of cases unfit for malting, and the expressions used by the reporters indicate despair, as the crops were still out in the fields in very damaged condition. Oats were never promising. As compared with previous years at the same date they are the worst crop since 1901. All cereals have suffered acutely, and it is difficult to see where sound seed is to be found for the next crop. Beans are not much worse than they were reported to be on August 1, but there are many complaints of badly filled pods. Peas are apparently destroyed where still out in the field. The spread of potato disease has been appalling since July 1. It is reported from every county in Great Britain, and in a very great number of cases it is pronounced to be extremely bad. It is also prevalent in Scotland. Potatoes are also affected with black scab in some places, and in others are said to be "dead" or "rotten." They are also under water and unapproachable, and it is feared that they may not be worth picking.—Daily Consular and Trade Reports.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Vick Quality Bulbs

Early kinds now ready for shipment.

EARLY ROMAN HYACINTHS.

\$2.25 per 100; \$21.00 per 1000.

NARCISSUS, PAPER WHITE.

\$1.00 per 100; \$8.75 per 1000.

CANDIDUM LILIES, Choice Bulbs.

\$4.50 per 100; \$38.00 per 1000.

ASK FOR WHOLESALE CATALOGUE.

James Vick's Sons

ROCHESTER, N. Y.

Direct Importations

Fall and Spring Shipments

Valley Pips. Berlin & Hamburg grades
Azaleas, Palms, Bays, etc., from Belgium.
Begonia, Gloxinia Bulbs. Dec. shipment.
Boxwood, Roses, etc., from Boskoop, Holl.
Maples, Planes, etc., from Oudenbosch, Holl.
Fruit and Ornamental Stocks from France.
English Manetti. Jap-Lilies, etc., etc.
Raffia. Red Star and three other brands.

McHutchison & Co., THE IMPORT HOUSE
17 Murray Street, NEW YORK

Seedsmen requiring the very best selections of

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

DUTCH BULBS NOW IN

SEND A LIST OF WHAT YOU NEED.

We can quote you a price that will suit your purse.
Our bulbs are the best money can buy.

F. O. FRANZEN, 1476-78 Summerdale Ave., CHICAGO.

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed....25c
1 oz.\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.
Rocky Ford, Colorado.

Contract growers of Cucurbit, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid. - - Oklahoma

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz

Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - - - \$9.50
In lots of 500 lbs., - - - 9.25
In lots of 1000 lbs., - - - 9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100...\$13.00
" Rubrum, 9 in.-11 in. per 100... 9.00
" Melpomene, 9 in.-11 in. per 100... 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.
PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

Boston Ferns...

\$3.00 per 100 \$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

E177 H. BARROWS & SON, Whitman, Mass.

ALL FALL BULBS MOVING NOW ::

French Romans Per 1000
11-15 (2200 to case) \$22.00
12-15 (2000 to case) 25.00

Lilium Harrisii Per 1000
5-7-inch (400 bulbs to case) \$35.00

Lilium Multiflorum Per 1000
6-8-inch \$30.00

Callas. Per 1000
1¼-1½-inch (Calif. grown) \$50.00

Dutch Hyacinths Per 1000
First Size, Named Varieties \$55.00
Second Size 35.00
Bedding Grade 22.00

Narcissus Per 1000
Emperor \$12 00
Golden Spur 12.00
Princeps 6.00
Victoria 12.00
Single Incomparable 7.00
Poeticus 4.50
Von Sion Double Fancy Select 12.50

Narcissus Paper Whites
Grandiflora Per 1000

Fancy (1250 bulbs to case) \$ 9.00
Star (1000 bulbs to case) 11.00

Freeseias. Per 1000
French Mammoth \$10.00
Purity Mammoth 22.50
Purity, extra size 18.00
Purity, first size 15.00

Tulips (Single) Per 1000
Artus \$ 6.25
Chrysolora 6.00
Cottage Maid 7.25
Keizerskroon 9.00
La Reine 6.50
Proserpine 18 00
Yellow Prince 6.50

Tulips (Double) Per 1000
La Candeur \$ 8.75
Murillo 8.00
Tournesol Red and Yellow ... 17.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



Silver Pink Snapdragon

has made good and we have had high praise for it. Having perfected this strain true from seed I can now distribute it to any part of the Globe, and offer new crop seed absolutely pure and true, backed by my reputation and guarantee, at \$1.00 per packet, 3 for \$2.50. Cash, please. Stronger and better shaped plants can be had from seed and you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Japanese Grown Callas Just Received

Write for Prices.

— Wholesale only. —

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.

— FOR —

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS.

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Mention the American Florist when writing

ANNOUNCEMENT

WE have recently ventured into the plant business and now have 60,000 square feet of glass devoted to the growing of Decorative Stock of all kinds. An importation of Palms has just arrived and with our large stock of Decorative Plants which are now in A1 condition we are in the best shape to take care of all your orders. We will have a large quantity of Blooming Plants ready for the Holiday Trade, but the following items are now ready for shipment. You would do well to send your order direct to us. Let us have it before cold weather sets in.

FERNS

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100

6-inch	.....	\$ 6 00	\$45 00
7-inch	.....	\$0 75	9 00
8-inch	.....	1 00	12 00
10-inch	.....	2 50	30 00
12-inch	.....	3 50	

Cibotium Schiedel.

6-inch		\$2 50 each
--------	-------	-------------

Ferns for Dishes.

12 of the leading varieties	.....	\$3 50 per 100
In pots	.....	\$32 50 per 1000
Out of pots	.....	30 00 per 1000

No better stock offered anywhere.

Araucaria Excelsa.

Good strong stock, 5-inch, 50c each; 4 to 5 tiers, 75c and \$1.00 each.

Christmas and New Cluster Peppers.

	Finely fruited.
4-inch	25c each; \$2 50 per doz.
5-inch	50c each; 5 00 per doz.



Pandanus Veitchii.

Fine colored stock.

5-inch	\$0 75 each; \$ 9 00 per doz.
6-inch	1 50 each; 18 00 per doz.
7-inch	2 00 each; 24 00 per doz.

Dracaena Terminalis.

Fine color.

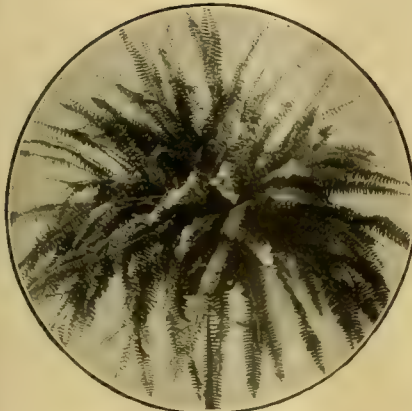
4-inch	25c each; \$2 50 per doz.
5-inch	50c each; 5 00 per doz.

Extra Fine Rubber Plants.

6-inch	50c to 75c each
--------	----------------------

We will have the following Blooming Plants in first-class stock for Fall and Xmas sales:

Azaleas for Xmas, in bloom, .50c to 2 00 each
 Begonia Glory of Cincinnati, 35c to 1 50 each
 Cyclamen, 4-in. to 7-in, .20c to 1 50 each
 Poinsettias, in pans, from 50c to \$2 00 each
 Primulas Obconica and Melacoides, in bloom, .25c to 75c each
 Also Smilax, strong 3-in.



Boston Fern.

PALMS

Areca Lutescens.

7-inch		\$1 50 to \$2 00 each
--------	-------	-----------------------

Kentia Belmoreana.

	Height	Each	Doz.	Per 100
4-in.	12 to 15-in.	\$ 4.50		\$35.00
5-in.	15 to 18-in.	6.00		50.00
5-in.	18 to 20-in.	.75	9.00	
6-in.	20 to 22-in.	1.00	12.00	
6-in.	22 to 24-in.	1.50	18.00	
7-in.	28 to 30-in.	2.50	30.00	
7-in.	36 to 40-in.	4.50		
Specimens in tubs, 40 to 42-in.	each.	\$ 8.00		
5 to 6 ft.	.....	15.00		

Kentia Forsteriana.

	Height	Each	Doz.	Per 100
4 in.	14 to 16-in.	\$ 4.50		\$35.00
5 in.	20 to 24-in.	.75	9.00	
6 in.	24 to 30-in.	1.00	12.00	
6 in.	30 to 36-in.	1.50		
7 in.	36 to 38-in.	2.50		
7 in.	38 to 40-in.	3.50		
In tubs 44 to 50 in.		7.00		
Made up in tubs 28 to 30-in.		\$ 3.50		
" " " 30 to 32-in.		4.00		
" " " 40 to 42-in.		5.00		
" " " 44 to 46-in.		7.00		
" " " 50 to 60-in.		10.00		

Phoenix Roebeleni

	Strong stock.
3-inch	25c each; \$2 50 per doz.
4-inch	50c each; 5 00 per doz.



SEND ALL PLANT ORDERS DIRECT TO

POEHLMANN BROS CO.

Plant Department

Morton Grove,

-

Illinois.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

SAN BERNARDINO, CALIF.—Geo. J. Fowler, owner of Harlem Springs, will erect a large hothouse to be heated by the natural hot water of the springs. He expects to furnish the market with vegetables at all seasons of the year.

THE annual field day of the Massachusetts Asparagus Growers' Association was held Wednesday, September 18, at the experiment station at Concord. President C. W. Prescott, Prof. J. B. Norton, Dr. H. J. Wheeler and Prof. F. W. Morse were on the programme.

Prohibition on American Potatoes.

The importation of American potatoes into Germany has been forbidden by imperial order since February 26, 1875, on the ground that such importations are liable to lead to the introduction of the potato bug (Colorado beetle) into the country. The only exception to this rule applies to potatoes included in ships' provisions, and they may not be removed from the ship. The director of the plant quarantine station at Hamburg states that American potatoes intended for transshipment via German ports can not be stored in the Free Port pending such transshipment. —Daily Consular and Trade Reports.

Improving Vegetables.

Among the very interesting papers read at the fifth annual convention of the Vegetable Growers' Association of America, at Rochester, N. Y., September 4-6, was that on "Improving Vegetables by Crossing and Selection," by O. G. Bishop, Pontiac, Mich. Mr. Bishop is known as an authority in this line and he handled his subject in a way that made his points clear to the audience.

Speaking of the desirability of every commercial grower producing his own seed, Mr. Bishop said: "It has been my good fortune to become intimately acquainted with a number of our leading seedsmen and I have only the very best words of commendation for them. They are almost invariably men of high character and thoroughly conscientious in their endeavor to supply their commercial friends with the best seeds they can obtain. They spare no trouble or expense to obtain this end, but in spite of the fact it seems to me to be vastly important for every commercial grower to grow his own seed whenever it is possible. During the last few years it has been my pleasure to visit a large number of commercial growers in all parts of the country and I regret to say that the lack of knowledge on the part of most of them is extremely painful."

Mr. Bishop spoke of the fact that a plant may prove successful in one part of the country and the same variety fail in another and then went on as follows: "It must be borne in mind constantly when making a selection that going through a field and selecting at random an ideal fruit means nothing. The plant from which the fruit was taken may have borne only

the one perfect fruit and at the same time several inferior ones; and the plant itself may have been very weak in constitution and not at all to be desired as a parent plant. The entire character of the plant and its fruit must be taken into consideration, selecting always the one bearing the greatest number of plants most nearly perfect."

Bavarian Truck and Fruit Farms.

As a result of the unusually hot summer in 1911 the truck farmers in the neighborhood of Bamberg, Bavaria, suffered a serious pecuniary loss, it being estimated that the 500 truck farmers in that region experienced a decrease of \$190,400 in sales. Shipments of vegetables from Bamberg during 1910 amounted to 19,088,722 pounds and in 1911 to only 13,778,890 pounds. The market was therefore poorly supplied with fresh vegetables, and the variety was not large. The canning factories also had great difficulty in obtaining fresh goods, and the potato crop was a failure.

Prices of fresh vegetables were therefore very high; at times, in fact, exorbitant; but in March this year, because of the great scarcity of local vegetables, the Coburg market was literally flooded with large shipments of cauliflower from Italy, and the large heads of the best quality, which usually sell for 8 and 10 cents apiece, could be bought for 2½ cents. Since March, however, seasonable and copious rains with dry, sunshiny weather following, have brought forth an unusually large and excellent local crop of all kinds of vegetables, which now retail at considerably lower prices than usually prevail. The fruit crop is also fairly good this year, although not as large as was expected, and the retail prices remain rather high. In spite of this there is still a good market here for American apples in particular, and other fruits in general. —Daily Consular and Trade Reports.

MOSCOW, IDAHO.—This city's first annual flower show was held September 7-8.

MUSHROOMS

HOW TO GROW THEM

BY WM. FALCONER.

The Best American Book on the Subject.

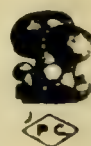
170 Pages.

29 Illustrations.

—Price \$1.00.—

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Success in Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Mushroom Spawn

New Crop ENGLISH



Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Peonias, Philoxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$5.00 per oz., or \$1.50 per ¼ oz., 75c per 1-16 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

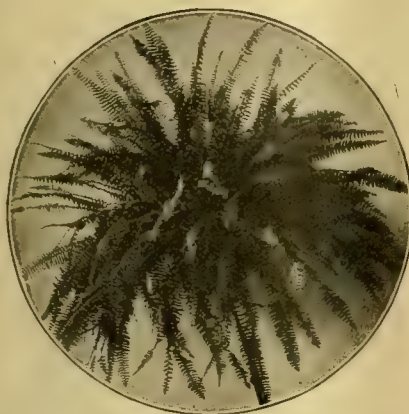
Decorative Plants

Bay Trees and Box Trees

Extra Fine Stock, and Big Bargains at the Prices Quoted.

BOXWOODS

ASK FOR PRICES.



Boston Ferns

	Each	Doz.
5-in.....	\$0.25	\$3.00
6-in.....	.50	6.00
7-in.....	.75	9.00
8-in.....	1.00	12.00
9-in.....	1.50	18.00
Upwards.....	\$2.00 to \$2.50 each and up	

ROOSEVELT FERNS.

6-in.....	50c each
7-in.....	75c each

Assorted Ferns for Dishes

\$3.00 per 100.

	Each	Doz.
4-in.. 2 to 3 tiers.....	\$0.50	\$6.00
7-in.. 4 to 5 tiers.....	1.50	18.00
	Doz.	Per 100
Areca Lutescens.....	\$2.00	\$15.00
4-in.. 3 plants in pot.....	3.00	25.00
6-in.....	Each, 1.50	

Asparagus Plumosus.

2 inch.....	\$3.00 per 100
3-inch.....	6.00 per 100
	Doz.
4-inch.....	\$1.50

Aspidistras.

Variegated.....	Per Leaf .15
-----------------	--------------

Cocos Weddelliana.

	Doz.	Per 100
2-inch.....	\$1.75	\$14.00

Cyperus Alternifolius.

	Doz.	Per 100
4-inch.....	1.50	10.00
Cycas Revoluta.....	50c, 75c, \$1.00, \$1.50, and \$2.00 each.	

Dracaena Indivisa.

The best plant for the center of cemetery vases.
 2½-in.....\$2.50 per 100
 4-inch.....\$10.00 per 100
 5-in.....\$3.00 per doz.
 6-in.....\$0.50 each, \$6.00 per doz.
 8-in., beautiful specimens, 3ft. high..\$1.50 each

EUONYMUS VARIEGATED.

Silver and Golden. 2½-in.....50c per doz.

Ficus Elastica.

	Each	Doz.
5-in. h.....	\$0.35	\$4.20
6-inch.....	.50	6.00
7-inch branching.....	\$0.75 and 1.00	

Ficus Repens (Climbing).

2½-inch.....	Each \$0.50
--------------	-------------

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 in.	\$1.50	\$12.00
3-in.....4 to 5	8 to 10 in.	2.00	15.00
4-in.....4	12 in.	3.60	30.00
4-in.....4 to 5	12 to 15 in.	4.50	35.00
5-in.....5 to 6	15 to 18 in.	6.00	50.00
		Each	Per doz.
5-in.....5 to 6	18 to 20 in.	\$0.75	\$ 9.00
6-in.....6 to 7	20 to 22 in.	1.00	12.00
6-in.....6 to 7	22 to 24 in.	1.50	18.00
7-in.....6 to 7	24 to 26 in.	1.75	21.00
7-in.....6 to 7	26 to 28 in.	2.00	24.00
7-in.....6 to 7	28 to 30 in.	2.50	30.00
8-in.....7 to 8	40 to 45 in.	5.50	
9-in.....7 to 8	48 to 50 in.	8.00	
9-in.....7 to 8	50 to 54 in.	10.00	

Made-up.

7-in., 3 in a pot, 28 to 30 inches high, each \$2.50

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 to 10 in.	\$1.50	\$12.00
3-in.....4 to 5	12 to 14 in.	2.00	15.00
4-in.....4 to 5	14 to 16 in.	4.50	35.00
5-in.....5 to 6	16 to 18 in.	6.00	50.00
		Each	Per doz.
5-in.....5 to 6	20 to 24 in.	\$0.75	\$ 9.00
7-in.....5 to 6	36 to 38 in.	2.50	
7-in., strong 5 to 6	36 to 40 in.	3.00	
8-in.....5 to 6	40 to 44 in.	5.00	
8-in.....6 to 7	46 to 50 in.	7.00	
9-in.....6 to 7	60 in.	8.00	

Made-up.

	Each
6-in., 3 in a pot 18-22 inches high.....	\$ 1.00
7-in., 3 to 4 in a pot, 24 to 30 inches high.....	2.50
9-in., 3 to 5 " 50 to 54 " " " " " " " " " "	8.00
10-in., 4 to 5 " 58 to 60 " " " " " " " " " "	10.00
12-in., 4 " 62 to 70 " " " " " " " " " "	15.00

Latania Borbonica.

	Doz.	Per 100
4-inch.....	\$3.00	\$20.00
5-inch.....	5.00	
6-inch.....	9.00	

Pandanus Utilis.

3-in.....	Doz. \$1.50
-----------	-------------

BAY TREES

ASK FOR PRICES.



Pandanus Veitchii.

	Each	Doz.	Each	Doz.
4-in.....	\$0.50	\$5.50	6-in.....	\$1.00
5-in.....	.75	9.00		\$12.00

PHOENIX CANARIENSIS.

	Each
7-inch pots, 40 to 44-in. high.....	\$ 2.50
8-inch pots, 46 to 50 in. high.....	4.00
9-inch pots, 50 to 54 in. high.....	8.00
10-inch pots, 60 to 64 in. high.....	10.00

PHOENIX RECLINATA.

	Each	Doz.	Per 100
4-in.....		\$3.00	\$20.00
5-in.....		5.00	40.00
6-in.....	\$0.75	9.00	
7-in. pots, 24 inches high, 3 in a pot, each	\$1.50		

PHOENIX ROEBELII.

2½-in.....	\$ 2.00	\$15.00
6-in.....	12.00	
6-in. strong.....	18.00	
7-in. strong.....	each \$4.00	
8-in.....	each 5.00	

Primula Chinensis.

4-in.....	Doz. \$1.50
-----------	-------------

Primula Obconica.

4-in.....	Doz. \$1.50
-----------	-------------

The Geo. Wittbold Co.

737 Buckingham Place,

Phone:
Graceland 1112.

CHICAGO

Mention the American Florist when writing

A. N. Pierson, Inc.
Wholesale Florists
CROMWELL, - CONN.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne June., N. J.

FERN S.

Boston, Whitman and Scholzei from bench, 10 and 15 cents, now ready for 5 and 6 inch pots, 5 and 6 inch Boston and Scholzei grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

ACCORDING to a decision of the Board of General Appraisers, evergreen seedlings are to be admitted free of duty and not assessed as nursery stock.

THE Agricultural Bureau (of Mexico) has extended for two months the time in which growers can make application for fruit trees which will be imported from the United States, France, and Japan, and sold at half price.—Daily Consular and Trade Reports.

ACTING on the protest of H. Bayersdorfer & Co. of Philadelphia, Pa., the Board of General Appraisers on August 9 held that pieces of branches of trees tied in bundles, assessed as unenumerated manufactured articles under paragraph 480, tariff act of 1909, should be free of duty as vegetable substances, crude or unmanufactured.

DECLARING that the white pine blister rust, articles on which have appeared in recent issues of our paper, exists in Great Britain, France, Belgium, Holland, Denmark, Norway, Sweden, Russia, Germany, Austria, Switzerland and Italy, the Department of Agriculture has, under authority conferred by the recent "Plant Quarantine Act," prohibited the importation of the following species from those countries until further notice: white pine (*Pinus strobus* L.), western white pine (*Pinus monticola* Dougl.), sugar pine (*Pinus lambertiana* Dougl.), and stone or cembrian pine (*Pinus cembra* L.).

WANTED.

10,000 A1 Amoor River
Privet Cuttings.

Audreylea Nursery,
LOMBARD, ILL.

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRAZER, Box D, GENESEO, N. Y.

ROSES

Low, on Canina, extra strong, best sorts, \$4.50 per 100, \$10.00 per 1000.
Ornamental Plants, Hedge Plants, Fruit and Shade Trees, etc., cheap.

Catalogue on application.

G. FRAHM, NURSERYMAN.
ELMSHORN, near Hamburg, GERMANY

FOR SALE

Prime Natural North Carolina hand
picked

PEACH PITS

SEASON 1912.

W. L. ROBBINS, Concord, N. C.

ANSONIA, CONN.—C. W. Atwater of Collinsville has moved his nursery business to Agawam, Mass.

Plant Quarantine Act.

Rules and Regulations for carrying out the plant quarantine are now ready and copies may be had on application to the Federal Horticultural Board, Department of Agriculture, Washington, D. C.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of the society was held in Greenwich on Friday, September 13. Four applications for membership were received and seven members elected. Chas. Mallory, Portchester, offered a prize of \$25 for the fall show, and the Wilson Plant Oil Co., \$10 for the same purpose. J. H. Troy of New Rochelle, gave a short talk on horticulture. Oscar Fraenkel of Yonkers, also spoke on the same subject, closing his talk with a few remarks on the results of humus as a fertilizer. In the exhibition a collection of grapes by Th. Ryan was highly commended. A collection of dahlias and a collection of peaches by Harry Wilde, was highly commended. A vote of thanks was tendered Alex Geddes for French asparagus beans,

Harry Wilde for clerodendron, and J. Henderson for dahlia seedlings. A plate of peaches by J. Foster was highly commended. P. W. Popp's prize for the best vase of gladioli, was won by A. Whitelaw, who also received mention for another vase of the same flowers.

OSCAR ADDOR,
Cor. Sec'y.

Washington.

Z. D. Blackistone had a very pretty table decoration September 28, yellow dahlias and violets being used. There were old fashioned corsage bouquets for the ladies.

Harry Ley is bringing in some very fine elegantissima compacta, Smithii, Scottii, and Boston ferns. He says he has about four thousand he would like to move.

O. A. C. Oehmler, for a number of years with Gude Bros., has resigned his position to open up for himself. He has the best wishes of the trade.

Chas. Edgar of Philadelphia, Pa., has accepted a position with Henry Pfister on Connecticut avenue.

Will Smith is back with Gude Bros., after a long rest in the country.

Visitors: L. T. Fletcher, with S. A. Weller, Janesville, O.; Jas. Gowdy of the H. A. Dreer Co., Philadelphia, Pa.

G. C. D.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. *All goods F. O. B. your city.*

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N. Y.
P. E. FELLOWS, Catalogist



Try
Us
Out

On the job
day and night

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Two Important New Commercial Ferns

Cyrtomium Rochfordianum

(The Crested Holly Fern)

The most valuable Decorative Fern of recent introduction.

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnae or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which makes it valuable not only as a dish Fern but decorative work and for apartment use.

2 1/4-inch pots **75c** per dozen, **\$5.00** per 100, **\$40.00** per 1000;
4-inch pots **\$2.00** per dozen, **\$15.00** per 100. Also a limited lot of flats of about 200 plants each, at **\$3.00** per flat.

Adiantum Farleyense Gloriosa

(The Glory Fern or Rum Von Mordrecht)

The Fern which will revolutionize the cut frond business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety, and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

Anyone who successfully grows the ordinary varieties of Adiantum, such as Cuneatum, Croweanum, and Hybridum, can grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants, 2 1/4-inch pots, at **\$2.00** per dozen, **\$15.00** per 100, **\$140.00** per 1000.



HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2 1/4-in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner. Ricard. Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica,		
Alba Rosea	\$1 50	\$15 00
Gigantea - All from 2 1/4 pots.....	2 00	.....
Asp. Plumosus, 2 1/4 pots.....	2 00	18 00
" Sprengeri.....	2 00	15 00
" Plumosus Seedling.....	1 00	7 50
" Sprengeri.....	1 00	6 00
Vinca Variegata field plants Cut		
back.....	5 00	.....
Fancy Plants, Giant flowering....	.....	2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes.....	@ \$4.00
3 foot	6.00
6 in. Birch Bark.....	1.00

Order a few of each size.

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - - -	8.00
White Perfection, - - -	7.00
Rose Pink Enchantress, - - -	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Massachusetts Horticultural Society.

PRIZES AWARDED AT EXHIBITION.

Dahlias—Show or fancy, twenty-four blooms, named varieties: W. D. Hathaway, first; A. E. Johnson, second; J. K. Alexander, third. Twelve blooms: W. F. Hall, first; E. W. Ela, second; W. H. Symonds, third. **Cactus**—twenty-four blooms, named varieties: W. D. Hathaway, first; J. K. Alexander, second; Charles Lindvall, third. **Cactus**—twelve blooms: E. W. Ela, first; J. K. Alexander, second. **Decorative**—twenty-four blooms, named varieties: W. D. Hathaway, first; A. E. Johnson, second; W. H. Cruft, third. **Decorative**—twelve blooms: W. F. Hall, first; E. W. Ela, second; W. H. Symonds, third. **Peony**—flowered, twenty-four blooms, named varieties: W. D. Hathaway, first; J. K. Alexander, second. **Pompon**—twenty-four vases of three blooms each, named varieties: J. K. Alexander, first; W. D. Hathaway, second. **Pompon**—twelve vases: E. W. Ela, first; W. C. Winter, second. **Single**—twenty-four vases of three blooms each, named varieties: J. K. Alexander, first. Twelve vases of three blooms each: E. W. Ela, first; W. C. Winter, second. Largest and best collection of named varieties, one vase or bottle of each: E. F. Dwyer & Son, first; G. H. Walker, second.

Gratuities—J. K. Alexander, display of dahlias; W. D. Hathaway collection of cut dahlias; Fottler, Fiske, Rawson Co., display of dahlia blooms; Mary C. Caswell, collection of 1912 dahlias; Julius Heurlin, collection of herbaceous flowers; Mt. Desert Nurseries, collection of herbaceous flowers; Eastern Nurseries, collection of herbaceous flowers; Fottler, Fiske, Rawson Co., display of cut gladioli; Thomas E. Proctor, display of Campanula pyramidalis; Mrs. Frederick Ayer, specimen Begonia Rex; Thomas E. Proctor, display of ferns; Mrs. J. L. Gardner, display of tropical plants; Wm. Whitman, display of cut flowers; Mrs. E. M. Gill, display of cut flowers. **Gold medal**—B. Hammond Tracy, collection of gladioli.

First class certificate of merit—Luther C. Parker, new Peony-flowered dahlia, Houghton.

Honorable mention—Mrs. Arthur Hunnewell, seedling hybrid Begonia Lloydii.

In the department of fruits the results were:

John S. Farlow Newton Horticultural Society Fund—Foreign grapes, collection of not less than four varieties, two bunches of each: Thomas E. Proctor, first; Thomas E. Proctor, second.

Benjamin B. Davis Fund—Grapes, best seedling hardy variety, grown at least two years in the open in New England, H. O. Mead.

Theodore Lyman Fund No. 1—Apples, for the best collection of six varieties of fall sorts, twelve of each, Turner Hill Farm, first; L. F. Priest, second.

Benjamin V. French Fund No. 1—Apples, four varieties, twelve specimens of each, L. F. Priest, first; Elliott & H. Ward Moore, second; Turner Hill Farm, third.

Marshall P. Wilder Fund—Pears, Bartlett, F. W. Dahl, first; W. G. Kendall, second; Elbridge Torrey, third. Clapp's favorite, Elbridge Torrey, first; H. A. Clark, second; George V. Fletcher, third.

SOCIETY'S PRIZES.

Apples—McIntosh: L. F. Priest, first; Elliott & H. Ward Moore, second; Turner Hill Farm, third. **Maiden Blush**: Edward E. Cole, first; W. G. Kendall, second; Turner Hill Farm, third. **Porter**: Harry M. Aldrich, first; George V. Fletcher, second; Wm. C.



Special Prices on BAY TREES

Every florist should have some of these on hands for decorating purposes. Nothing is more handsome and effective.

Diam. Crown	Height of Stem	Planted in tub	Planted in Mission Plant Box
24 to 26 in.	36 to 40 in.	\$ 6.00 each	\$ 9.00 each
28 to 30 "	36 to 40 "	7.75 "	10.50 "
32 to 36 "	36 to 40 "	10.00 "	14.00 "
38 to 40 "	36 to 40 "	11.50 "	16.00 "
42 to 44 "	36 to 40 "	16.00 "	20.00 "
46 to 48 "	36 to 40 "	20.00 "	25.00 "

Order your Bay Trees planted in Mission Boxes as they do not blow over as easy as when planted in round tubs. We always ship these by freight unless otherwise instructed. They can be shipped with perfect safety most any time of the year; order today and get the good of them this season.

We can also supply Boxwood in Pyramid, Bush or Standard. State size wanted.

Wagner Park Conservatories
Sidney, Ohio

Winter, third. Any other variety: L. F. Priest, Wealthy, first; L. F. Priest, Duchess of Oldenburgh, second; Turner Hill Farm, Duchess of Oldenburgh, third.

Muskmelons—Sweet: Wilfrid Wheeler, Mrs. H. H. Rogers, first; Mrs. A. A. Marburton, Emerald Gem, second; Wilfrid Wheeler, third.

Watermelons—Frederick Mason, Santiago, first; Frederick Mason, Halbert Honey, second; Mrs. A. A. Warburton, Sweet Heart, third.

Pears—Any ripe variety, Bartlett and Clapp's Favorite excepted: W. G. Kendall, Souvenir du Congres, first.

Peaches—Collection of not less than four varieties: George V. Fletcher, first; F. H. Evans, second. **Carman**: George V. Fletcher, first; W. G. Kendall, second; F. H. Evans, third. **Champion**: H. A. Clark, first; George V. Fletcher, second. **Crawford's Early**: A. F. Estabrook, first. **Elberta**: H. A. Clark, first; F. H. Evans, second. Any other variety: George V. Fletcher, first; A. F. Estabrook, second; H. A. Clark, third.

Plums—Collection of not less than four varieties, other than Japanese, twelve specimens of each: Elliott & H. Ward Moore, first; George V. Fletcher, second; Turner Hill Farm, third. **Single plate** of any variety: George V. Fletcher, Bradshaw, first; George V. Fletcher, Yellow Egg, second; T. D. Hatfield, Moore's Arctic, third. **Japanese, single plate** of any variety: W. T. Hutchinson, October Purple, first; Myron S. Wheeler, Burhank, second; Mrs. A. A. Warburton, Wickson, third.

Native grapes—For the best white grape: E. R. Farrar, Green Mountain, first; Wilfrid Wheeler, Green Mountain, second; C. W. Libby, Moore's Diamond, third. For the best red grape: J. S. Chase, Delaware, first; J. S. Chase, Brighton, second; Mrs. Frederick Ayer, Brighton, third. For the best purple grape: E. R. Farrar, Worden, first; J. S. Chase, Worden, second; W. G. Kendall, Worden, third. For the best collection of five varieties, three bunches of each: E. R. Farrar, first; J. Bauernfiend, second; C. W. Libby, third. For the best collection of seasonable fruit arranged for effect: George V. Fletcher, first.

Gratuities—Thomas E. Proctor, Prince of Wales peaches; L. F. Priest, Hyslop Crabapples.

Bronze Medal—James Garthly, display of melons.

THE BOOK OF GLADIOLUS



THE first authoritative book on this bulb ever printed in America, or possibly the world, issued April 1, 1911. This 120 page book, written by Matthew Crawford and Dr. Van Fleet, contains many chapters covering all sides of growing, propagating, storing, etc., and also some pages of valuable cultural notes gathered from reliable sources. A necessity for both amateur and grower. The book is bound in cloth and fully illustrated.

PRICE, POSTPAID, \$1.25

AMERICAN FLORIST CO.
440 So. Dearborn St.
CHICAGO.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in pots. Malacoides Chinese, Forbesi Obconica Alba, Rosca, Lilac, Rubra, Hybrida Compacta, Carmine, Blue, Sanguinea, Giant Rosca Giant Mixed, Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100.

CARNATIONS, FIELD.

Harlowarden, Enchantrix and Rose Pink, \$4.00 per 100.

FERNS.

From bench. Boston, Whitmani, Elegantisima, 4-in. 10c; 5-in., 12c. Scholzei, Amerpobli, 3-in., 8c; 4-in., 12c.

—Cash.

BYER BROS.

Chambersburg, Pa.

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best"

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings, 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....\$3 each; 30 per dozen: \$200 per 100
Croton Punctata, 3 inch pots, heavy, \$20 per 100
Croton Punctata, 4 inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....\$4, \$5, \$6 and \$7.50 each
Branch plants, exceptionally fine, at.....\$2, \$2.50, \$3, \$3.50, \$4, and \$5 each

Nephrolepis Elegantissima Improved.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.
2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO.

49th and Market Sts.,

PHILADELPHIA, PA.

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.
2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
8-inch pots.....\$12 and \$15 per dozen
11 inch tubs.....\$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Giatrasii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.
6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scottii.

Our stock is in superb condition.
2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
6-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....\$15 and 18 per dozen

10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlil.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlil.
The above variety is a greatly improved Amerpohlil. It is a compact form, much finer than Amerpohlil and does not break down in the center. The fronds are carried on wiry

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2½-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 100

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeaoides—London Fern.

A good, strong grower and one we think very highly of.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100
9-in. and 10-in. tubs.....\$18, \$4 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2½-inch pots.....\$5 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
6-inch pots, very heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantissima Compacta

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape.
2½-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

(\$12.00 per 100; \$100.00 per 1,000.)

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

NURSERY STOCK FOR FALL PLANTING.

Now is the Time to Order.

Our stock is choice as it is chiefly grown for the Critical Retail Trade which insists on quality.

Deutzia Gracilis. Grand for forcing. 8-inch pot grown plants, 70 to 80 flowering branches, only 30c each; \$3.00 per doz.; \$20.00 per 100. Also some extra bushy field-grown plants in assorted sizes.

Othello Plum. Cannot be excelled as a decorative variety. Has the finest kind of purple foliage. Prunus Pissardi froze last winter. The Othello was not injured. See our catalog for sizes and prices.

Fruit Trees. Extra large specimens. Apple, Pear and Cherries at bargain prices. Ask for list.

Chicago **Vaughan's Seed Store** New York

Greenhouses and Nursery at Western Springs, Ill.

WE OFFER, UNTIL SOLD, THE FOLLOWING:

6 550 2½-in. **Maryland**, own root.....\$35.00 per 1000
1,700 3½-in. **Maryland**, own root.....50.00 per 1000
400 2½-in. **Bulgaria**, own root.....\$40.00 per 1000
750 3½-in. **Bulgaria**, grafted.....\$8.00 per 1000

EXTRA FINE FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1000
6,000 **Rose Pink Enchantress**.....6.00 50.00
5,000 **Lawson**.....\$6.00 \$50.00
1,000 **Delight**.....6.00 50.00
800 **Bright Spot**.....6.00 50.00

POEHLMANN BROS. COMPANY,

Morton Grove, Ill.

Mention the American Florist when writing

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code; 5th Edition

Pansy Plants.

Best strain on the market. **Daisies** (Bellis) **Forget-Me-Not**, **Sweet William**, **Gaillardia**, **Coreopsis**, **Delphiniums**, **Hardy Pinks**, **Foxgloves**. Fine plants. \$2.50 per 1,000, 5,000 for \$10.00.
Hollyhocks, double, in colors. 50 cts. per 100. \$4.00 per 1,000.
Frimulas, **Asparagus Plumosus** and **Sprengeri**. Fine plants. 2½ in. \$2.00 per 100, \$5.00 per 300.
Smilax. Strong, bushy plants. 2½ in. \$1.50 per 100. \$12.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants.

Harlowarden, **Lady Bountiful**, **Sangamo**, **Windsor** \$45.00 per 1000.
Enchantress, **White Enchantress**. Mrs. Ward, **Dorothy Gordon**, **White Wonder**, \$60.00 per 1000.
O. P. Bassett, and **Beacon**, \$50.00 per 1000.
One Thousand **Lady Campbell Violet** Plants, \$6.00 per 100 or \$50.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. **David Symes**, **Unaka**, (Pink), **Chrysolora**, (Yellow), \$1.00 per dozen.

ELI CROSS, Grand Rapids, Mich.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Oklahoma City.

STATE FAIR HELPS TRADE.

The state fair, which opened here September 24, brought many visitors to the city and the flower stores have felt a decided impetus to the volume of trade. During fair week the general storekeepers have been holding a window display competition. White chrysanthemums and American Beauty roses were both used for this purpose.

NOTES.

There is a fight for the office of superintendent of parks going on here just now. The park commissioners have engaged C. U. Butterfield of Muskogee, Okla., but the city commissioners (we have a commission form of government here) will not ratify the appointment owing to the fact that Mr. Butterfield has not the necessary six months' legal residence in the county, which the law requires.

J. G. Angel, who has about 10,000 feet of greenhouse area at 409 N. Western avenue, is combining the artistic with the utilitarian by growing lettuce and carnations. Since the opening of the market for vegetables he is more than ever convinced that the edible crop is the most profitable of the two. Mr. Angel moved here from Neosho, Mo., some six years ago.

S. S. B.

Please Take Notice!

OUR MOTTO: WE BELIEVE.

We believe in American business methods. We believe in our customers. We believe that truth is an asset, and that our word is as good as our bond. We believe that the best is none too good for our customers. This ends our liability in selling only the best.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5¼ to 5½-in. pots. 2-3 years old 3-4 tiers, 14-15 in. high, 40c to 50c; 5½ to 6 in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6-in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6-in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7-in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.
Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
Kentia Belmoreana, 4 year old, 6-in., 26 to 28 in. high, 75c to \$1.00.
Kentia Belmoreana, 4 year old, combination or made up of 3 plants, 26 to 28 inches high, \$1.25, and \$1.50.
Kentia Belmoreana combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.
Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.
Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.
Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.
Kentia Forsteriana, 6-in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.
Cocos Weddelliana Palms, single, 3-in. pots, 15c, 18c and 20c.
Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 35c.
Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphea Australis Palms, 5-in. pots, 20-in. high, 35c.
Asparagus Plumosus and **Sprengeri**, large 4-in. \$10.00 per 100 (or 10c).
Asparagus Plumosus, 2½-in., \$3.00 per 100.
Asparagus Sprengeri, 2½-in., \$4.00 per 100.
Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5¼-6-7 in. pots, 25c-35c-50c.
Ficus Elastica, Belgium or American stock, 5-5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.
Primula Obconica Grandiflora, good strain, assorted, 4-in., \$10.00 per 100; 5½-in., \$2.50 per doz.
Primula Chinensis, John F. Rupp strain, assorted, 4-in., \$10.00 per 100; 5½-in., only \$2.50 per doz.
Poinsettias, 4-in., 20c.
Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.
Begonias Gloire de Lorraine and **Lonsdale**, pink, large 4-in., 30c to 35c; 5½ to 6 in. pots, 50c 75c to \$1.00. **Glory of Cincinnati**, 4-in., 40c to 45c.

Cineraria Hybrida, our well-known superior strain, which created a sensation last Easter 2-in., \$5.00 per 100.
Jerusalem Cherries (Solanum), 6-in., 25c, 35c, 50c.
Daisies, Sanderi, pure white, everlasting bloomer, very valuable for cut flowers, 2½-in., \$5.00 per 100.
Queen Alexandra Daisies, pure white, good Easter Daisy, 2½-in. pots, strong, \$4.00 per 100.

Ferns.

The growing of *Nephrolepis* for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old dark houses bring fungus and make spindly plants.

Neph Giatrasil. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 ½-6 in. pots, 25c, 35c, 40c and 50c.
Neph. Whitmanii, 4-in., 50c; 5½ to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.
Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.
Boston, 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 20c.
Neph. Elegantissima Compacta, 6-in., 50c.
Neph. Scholzei, 6-in., 50c.
Adiantum Hybridum, the new Maidenhair Fern, large 4-in. bushy, 15c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½-in. **Dish Ferns**, now ready, \$4.00 per 100.
6-in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Binghamton, N. Y., Sept. 3rd, 1912.
Mr. Godfrey Aschmann, Philadelphia:
Dear Sir:—Your shipment of Palms, Plants and Ferns arrived in fine shape. I certainly am well pleased with all stock you send me, and I will send you another order.

S. W. BACKER, Billy the Florist.

93 Front St., Binghamton, N. Y.
Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912,

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices, Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants, 1012 W. Ontario Street, PHILADELPHIA, PA.

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine Extra Strong 2½-in. pot plants, \$5.50 per 100, \$50.00 per 1000. Strong 2½ in., \$5 per 100; \$45 per 1000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

Mention the American Florist when writing

FERNS.

	Per 100
Amerpohli, 4-in. extra fine	\$15.00
Whitmanii, 4-in.	15.00
Whitmanii 3-in. ready for shift.	8.00
Whitmanii, 2-in. " "	5.00
Elegantissima, improved 2-in.	4.00

DAISIES.

Yellow, the best winter flowering variety 4-in. ready for 6-in. 10c
3-in. " " 5-in. 8c
White, the best large flowered winter blooming variety; the best one we have ever found.
4-in. strong.....10c

Randolph & McClements
5936 Penn Ave., PITTSBURGH, PA.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houthe , (Delache,) fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom, snowy white with yellowish stamens fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachel , deep crimson-purple one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Kose Reudatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower, stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmeta , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white, others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.
BALTIMORE, MD.

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY,
SPRINGFIELD, OHIO.

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:

Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.

Harrisii, an improved Bostoniensis. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each; 6-in. at 50c each.

Giatrasi, 8-in. pots, \$1.00 each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3 1/2-in. pots 15c. each.

Magnifica, 3 1/2-in. pots, 25c each; 6-in., 75c. ea.

Asparagus Plumosus Nanus, 2 1/4-in. pots, \$4.00 per 100.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots, \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lillium Giganteum.

7-9 in. bulbs: case lots of 300.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Freelias. French-grown.

Mammoth bulbs, 3/4-in. and up...\$12.00 per 1000
Extra sized bulbs, 1/2 to 3/4-in.... 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Azaleas

Best Standard Commercial Varieties.

New importations ready in October.

	Per doz.	Per 100
Plants 10-12 in. in diameter...	\$ 6.00	\$ 40.00
Plants 12-14 in. in diameter...	9.00	50.00
Plants 14-16 in. in diameter...	12.00	70.00
Plants 16-18 in. in diameter...	15.00	100.00

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

Index to Advertisers.

- Advance Co The. 675 680
Alpha Floral Co. 651
American Spaw Co 660
American Wooden
Ware Mfg Co. 111
Amling E C Co. 645
Anderson S A Co. 651
Andorra Nurseries. 665
Angermueller G H. 646
Aphine Mfg Co. 678
Aschmann Godfrey. 666
Atlanta Floral Co. 654
Auburndale Gold
Fish Co. 643
Audreylea Nursery. 662
Bader Inc & Co. 663
Badgley Reidel &
Meyer, Inc. 649
Barrows H H & Son 658
Barteldes Seed Co. 654
Bassett & Washburn 678
Bayersdorfer H. 679
Beaven E A. 650
Berger Bros. 646
Berning H G. 646
Bertermann Bros Co. 652
Bide & Sons S. 666
Black Chas. 658
Bobbink & Atkins. 662
Boddington A T. 658
Bodger J & Sons Co. 657
Boland J B Co. 651
Bolgiano J & Sons. 658
Bowe M A. 653
Braslan Seed Grow
Co. 656
Breitmeyer's J Sons. 652
Brown Alfred J Seed
Co. 656
Brown Bag Filling
Machine Co. 657
Bruns H N. 657
Buckbee H W. 654
Budling J A. 642
Burnett Bros. 11
Burpee W A & Co. 658
Byer Bros. 664
Caldwell the Woods-
man Co. 650
Camp Conduit Co. 674
Chicago Carn Co. 1
Chicago Flower
Growers Assn. 643
Chicago House
Wrecking Co. 679
Clark E B Seed Co. 657
Clark's Sons David. 653
Cleveland Cut
Flower Co. 653
Conard & Jones. 667
Cooke Geo H. 651
Cotsonas Geo & Co. 650
Cowee W J. 680
Coy H C Seed Co. 658
Craig Robt Co. 665
Crittchell C E. 647
Cross Eli. 664
Crump Frank F. 652
Cunningham Jos H. 663
Daniels & Fisher. 653
Dards Chas. 652
Day. 650
Deamud J B Co. 644
De Giorgi Bros. 658
Dennison Mfg Co. 637
DesPlaines Flor Co. 655
Detroit Flower Pot
Mfg Co. 111
Dietsch A & Co. 111
Diller Caskey &
Keen. 666
Dillon J L. 667
Dingee & Conard Co. 665
Dorner F & Sons. 643
Dreer H A. 111 663
Duerr Chas A. 654
Dunlop John H. 653
Dwelle - Kaiser Co
The. 677
Eagle Machine Wks 677
Edwards Folding
Box. 668
Emmans Geo M. 663
Erie Floral Co. 1
Erne & Klingel. 644
Esperance L Nurs. 645
Eyes H G. 653
Fish Henry Seed Co
Florists' Hail Assn. 675
Florists' Tel. Delvy. 652
Foley Mfg Co. 111
Ford M C. 649
Frahm G. 642
Fottler, Fiske.
Rawson Co. 11
Franklin Davis
Nursery Co. 667
Franzen F O. 657
Fraser Samuel. 662
Freeman Mrs J B. 654
Freeman & Sons. 679
Froment H E. 649
Galvin Thos F. 653
Garland G M. 675
Gasser J M Co. 653
Geny Bros. 654
Giblin & Co. 680
Gillies Litho & Print
Co. 662
Good & Reese Co. 1
Gorham & Chapline 679
Grand Rapids
Flower Co. 653
Growers Cut Flower
Co. 649
Gude Bros. 652
Gunther Bros. 649
Habermann Chas. 654
Hammond's Paint
& Slug Shot Wks. 673
Hatcher, Florist. 654
Haven Seed Co The 657
Heacock Jos Co. 655
Heinl John & Son. 651
Henderson A & Co. 666
Herr Albert M. 655
Herrmann A. 680
Hess & Swoboda. 654
Hesse & Co. 657
Hews A H & Co. 111
Hilfinger Bros. 111
Hines E Lumber Co 677
Hitchings & Co. 679
Hoerber Bros. 645
Hoffman Flo Artist. 653
Hoffmeister Flo Co 647
Holm & Olson. 652
Holton & Hunkel Co 646
Home Cor School. 663
Hooker H M Co. 677
Hunt E H. 645 680
Hurff Edgar F. 658
Igoe Bros. 668
Illinois Pipe Mfg Co. 674
International Heater
Co. 679
Interstate Tob Co. 678
Isbell S M & Co. 658
Jackson & Perkins. 667
Jacobs S & Sons. 675
Johnson J Oliver. 657
Johnson WW & Son 658
Jones Percy. 638
Kasting W F Co. 647
Keller Geo & Sons. 111
Keller JB & Sons. 654
Kellogg Geo M. 651
Kelway & Son. 657
Kennicott Bros. 644
Kentucky Tobacco
Product Co. 678
Kervan Co The. 649
Kessler W A. 649
Kift Robt. 653
King Construct Co. 677
Kohr A F. 111
Kramer I N & Son. 674
Kroeschell Bros Co. 674
Kruchten John. 645
Kuehn C A. 646
Kuhl Geo A. 663
Kyle & Foerster. 645
La Rosse Floral Co. 654
Lager & Hurrell. 1
Lange A. 651
Landreth Seed Co. 657
Lecakes N L & Co. 649
Lederer John. 675
Ledlele Floral Co. 667
Lelache Emil. 647
Leonard Seed Co. 657
Lord & Burnham. 675
McCallum Co. 647
McConnell Alex. 651
McCoy L W. 654
McCullough's J M
Sons Co. 647
McHutchinson & Co 657
McKellar Chas W. 643
McKenna P & Son. 653
Mangel. 651
Mastin J G & Co. 679
Masur S. 651
Matthews Florist. 653
May & Co L L. 651
Meconi Paul. 649
Mette Henry. 660
Meyer John C & Co. 650
Michigan Cut Flo
Exchange. 650
Miller E S. 665
Moninger J C Co. 111
Montreal Floral Ex. 647
Moore, Hentz &
Nash. 649
Morehead Mfg Co. 680
Mt Gilead Pottery
Co. 111
Munk Floral Co. 646
Murray Samuel. 652
Myers Florist. 654
Nat Flo B of Trade. 668
N Y Cut Flower Ex. 649
Niessen Leo Co. 647
Oechsli Frank. 643
Oklahoma Seed Gro
Co. 657
Palmer W J & Son. 652
Park Floral Co. 652
Peacock Dahlia Fms 661
Pedrick Geo & Son. 657
Pennock-Meehan Co 649
Penn the Florist. 652
Peters & Reed Poty 111
Pierce F O Co. 680
Pierson A N (Inc). 661
Pierson F R Co. 111
Pierson U Bar Co. 676
Pillsbury I L. 668
Pieters & Wheeler
Seed Co. 656
Pinkston Jas E. 650
Pittsburg Cut Flo Co 647
Podesta & Baldocchi 653
Poehlmann Bros Co
639 659 665
Pollworth CCCo. 646 653
Pulverized Manure
Co. 678
Quaker City Machine
Works. 668
Raedlein Basket Co 642
Ramsburg. 658
Randall A L Co. 645
Rawlings Elmer. 660
Ready Reference. 669
Randolph & Mc-
Clements. 666 673
Reed & Keller. 679
Regan Ptg House. 674
Reid Edw. 646
Reinberg Geo. 645
Reinberg Peter. 641
Rice Bros. 646
Rice & Co. M. 636
Robbins W L. 662
Robinson J C Seed Co 657
Rock W L Co. 652
Robnert Seed Co. 658
Routzahn Seed Co. 658
Rusch G & Co. 646
Saakes O C. 653
Saltford Flow Shop 654
Schoel F F. 655
Schiller, the Florist. 655
Schillo Adam. 680
Schlatter W & Son. 668
Schling Max. 654
Schmidt J C. 664
Schultz Jacob. 652
Scott John. 663
Seattle Cut Flo Ex. 647
Shaffer Geo C. 663
Sharp, Partridge &
Co. 677
Sheridan W F. 649
Situation & Wants. 635
Skidelsky S S & Co. 657
Smith A W & Co. 653
Smith E D & Co. 674
Smith & Hemenway 674
Smith Henry. 653
Smith P J. 649
Smith Wm C. 646
Smith W & T Co. 1
Standard Pump &
Engine Co. 673
Stearns Lumber Co. 677
Stoothoff H A Co. 674
Storrs & Harrison. 642
Sunderbruch's Sons
A. 655
Sunlight Dble Glass
Sash Co. 674
Superior Machine
& Boiler Works. 678
Syracuse Pottery Co 111
Taylor Steam Trap
Co. 680
Texas Seed & Flowr
Co. 651
Thompson Car Co. 664
Thomson & Sons, W 668
Thorburn J M & Co 11
Tong & Weeks. 661
Totty Chas H. 647 665
Traendly & Schenck 649
Trimble W E
Greenhouse Co. 645
Valentine Frank. 651
Vaughan A L Co. 639
Vaughan's Seed Store
111 655 653
660 665 673
Vestals. 654
Vick's Sons Jas. 657
Vincent R Jr. 111 660
Virgin N J. 654
Wagner Park Cons.
111 664
Walker F A & Co. 654
Ward & Co. R M. 11
Weber F H. 654
Weeber & Don. 658
Weiland & Risch. 645
Welch Bros. 647
Wertheimer Bros. 11
Western Seed &
Irrigation Co. 658
Wieter Bros. 640 645
Wilks S Mfg Co. 676
Williams Mrs E A. 654
Wilson R G. 651
Winandy M & Co. 668
Wittbold G Co. 651 661
Wittbold Henry. 645
Wolfskill Bros &
Morris Goldenson 655
Wood B. 645
Wrede H. 667
Yokohama Nurs Co. 658
Young A L & Co. 649
Young & Nugent. 642
Zech & Mann. 641 645

No loss if you
mend your
split carna-
tions with
**Superior
Carnation
STAPLES**
50c per 1000
postpaid.
**Wm. Schlatter
& Son,**
422 Main St., Springfield, Mass.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

**EVANS' Improved
Challenge
Ventilating
Apparatus**
Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind

**Model
Extension
Carnation
Support**
Made with two or
three circles. En-
dorsed by all the
Leading Carnation
Growers as the best
support on market
Pat. July 27, '97. May 17, '98
**GALVANIZED WIRE
ROSE STAKES.**
Write for prices before
ordering elsewhere.
Prom shipment guaranteed
IGOE BROS.
266 N. 9th St.
BROOKLYN, N. Y.

Do not let the accounts owing you re-
main longer unpaid. Send them to
us at once. We are prompt, energetic
and reasonable, and can reach any point
in the United States and Canada.

National Florists' Board of Trade
56 PINE STREET : : NEW YORK
Mention the American Florist when writing

Split Carnations
Quickly, Easily and
Cheaply Mended.
No Tools Required.
Pillsbury Carnation Staple
Patented 1898.
2000 for \$1.00 postpaid.
I. L. PILLSBURY,
Galesburg, Ill.
Mention the American Florist when writing

Indispensable in the Garden.
**Thomson's VINE, PLANT and
VEGETABLE Manure**
Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.
Sold by leading American Seedsmen.
Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.
Freight paid on quantities; liberal terms to retailers. Write
for our special offer to the American trade. Agents' cir-
culars, pamphlets, etc. to sole makers. Write for prices, etc.
Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenfords, Scotland.

M. WINANDY CO., Mrs.
Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**
Write for particulars.
6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



AQUATICS.

DISCOUNT TO CLEAN POOL. DEDUCT 20% FOR CASH. Water hyacinths, the oddest, most beautiful and valuable plants; with buds, extra strong, in the finest condition; \$5.00—100. \$35.00—1,000; second grade, \$3.00 100, \$18.00—1,000. Blooming water hyacinths make leaders at 25c retail. Cash, please. Texas Nursery & Floral Co., Box 178, Alvin, Tex.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 4-in., 8 to 10 ins. high, 2 to 3 whorls, 50c each; \$5.50 per doz. Vaughan's Seed Store, Chicago and New York.

Araucarias. Poehlmann Bros. Co., Morton Grove, Ill.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. *Plumosus* seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$3 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2½-in., \$1.50 per doz.; \$10 per 100; 25 for \$18.75. *Plumosus*, seedlings, \$1 per 100; \$8 per 1,000. Sprenger, seedlings, 85c per 100; \$6 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprenger, 4-in., strong plants, \$7 per 100; \$55 per 1,000. Cash. C. L. Humphrey, Zanesville, O.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100; 25 for \$18.75. *Plumosus*, seedlings, \$1 per 100; \$4 per 1,000. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, from 3-in. pots, strong plants ready for 4-in., \$5 per 100; \$45 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Asparagus Sprenger, 2-in., \$2.50 per 100. *Asparagus plumosus*, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$3 per 100; 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas, standard varieties, 10-12 ins. diam., \$6 per doz.; \$40 per 100; 12-14 ins., \$9 per doz.; \$50 per 100; 14-16 ins., \$12 per doz., \$70 per 100; 16-18 ins., \$15 per doz.; \$100 per 100. F. R. Pierson Co., Tarrytown-on-Hudson.

Azalea indica, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervœneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas for Xmas in bloom, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. McHutchison & Co., New York.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees, baby and full standards. Vaughan's Seed Store, Chicago and New York.

Bay trees. McHutchison & Co., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI.

Strong stock, 2½-in. pots, ready for 4-in. pots, \$15 per 100 net. These will make you good money for Christmas trade.

J. A. PETERSON & SONS,

McHenry Ave., Westwood. Cincinnati, O.

Begonia Gloire de Lorraine and *Lonsdale*, 4-in., 30c to 35c. *Glory of Cincinnati*, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 4-in., 50c each; \$5 per doz. Vaughan's Seed Store, Chicago and New York.

Begonia Cincinnati, 35c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. McHutchison & Co., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Horseshoe Brand *Lilium Harrisii*. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Purity freesias, Roman hyacinths, Paper White narcissus, *Harrisii*, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Dutch bulbs now in. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

Bulbs. McHutchison & Co., New York.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

Cannas, \$15 per 1,000 up. R. Vincent, Jr. & Sons, Co., White Marsh, Md.

CAPE JASMINE.

Cape Jasmine, fine cuttings, 8-inch and over, ready to root, \$8 per 1,000, or \$1 per 100; prepaid. Cash with order. Texas Nursery & Floral Co., Box 178, Alvin, Texas.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

	100	1,000
Light Pink Enchantress	\$7.00	\$61.00
White Enchantress	7.00	60.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection	7.00	60.00
Dorothy Gordon	7.00	60.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowarden	7.00	60.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D., with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave. Chicago.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Enchantress	\$4.00	\$35.00
White Enchantress	4.00	35.00
White Perfection	4.00	35.00

This stock is ready for immediate shipment.

Cash with order please.

JOS. SCHOOS.

514 Asbury St., Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
500 Enchantress	\$5.00	\$40.00
Washington	5.00	40.00
Beacon	5.00	40.00
White Enchantress	5.00	40.00
Dorothy Gordon	5.00	40.00
Sangamo	4.00	30.00
May Day	4.00	30.00

Cash With Order.

HENRY C. BLEWITT, Des Plaines, Ill.

LAST CALL FOR CARNATIONS, field-grown plants, and No. 1 stock. Pink Enchantress, \$40 per 1,000. White Perfection, Winsor, \$35 per 1,000. 100 at 1000 rates. Cash with order. Write for prices on large lots. NORTHWESTERN FLORAL CO., Gross Point, Ill.

CARNATIONS, FIELD GROWN.

	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOT.

J. D. THOMPSON CARNATION CO.,

JOLLET, ILL.

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
Conquest, beautiful flesh pink, overlaid with cerise, very free bloomer	\$7.00	\$60.00
May Day, deep flesh pink	6.00	50.00
X-mas Cheer	6.00	50.00

CHICAGO CARNATION CO.,

80 E. Randolph St., Chicago, Ill.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

FIELD-GROWN CARNATIONS—Constant cultivation, careful topping, good soil and sufficient moisture have made these the finest plants we have ever grown. Shipment the same day order is received. 20,000 Enchantress, \$5 per 100; \$45 per 1,000. 3,000 Vesper, \$4 per 100; \$35 per 1,000. 3,000 Queen Louise, \$4 per 100; \$35 per 1,000. Cash with order unless your name is on our books. VIRGINIA NURSERY CO., Purcellville, Va.

LARGE HEALTHY CARNATION PLANTS,

\$5.00 per 100. \$45.00 per 1,000.

White Perfection, Enchantress and Rose Pink Enchantress, \$3.50 per 100 if called for at our place.

EMIL BLAMEUSER,

NILES CENTER, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red, 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, 2,500 White Perfection, 1,000 Light Pink Enchantress, 600 Victory, 400 Bassett, 300 Mrs. C. W. Ward, 300 Scarlet Glove, 100 Beacon, \$6 per 100; \$50 per 1,000. 900 Pink Delight, \$7 per 100. Cash, please. Harry Helml, West Toledo, O.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnations, field-grown, strong, bushy, fibrous roots. R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations. For varieties and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, Brooklyn. \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Good field-grown Carnation plants, 2,000 Mrs. C. W. Ward, 2,000 Alma Ward, \$50 per 1,000. Campbell, The Florist, Rochester, N. Y.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants. Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chisolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, bush plants. Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis, strong, blue and red. \$4.50 per 100. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

Clematis. W. & T. Smith Co., Geneva, N. Y.

CYCLAMEN.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

Cyclamen, 4-in. to 7-in., 20c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS.

Dahlias, whole field clumps, \$5 per 100; \$40 per 1,000 and up. R. Vincent, Jr. & Sons Co., White Marsh, Md.

DAISIES.

Daisies, yellow, 4-in., 10c; 3-in., 8c. White, 4-in., 10c. Randolph & McClements, Pittsburg, Pa.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, finely colored, perfect plants, 7-in. pots, 30 inches high, \$1.50 each. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

NEPHROLEPIS HARRISII.

Strong 2½-inch	\$ 8.00 per 100
4-inch	20.00 per 100
6-inch	50.00 per 100

Surplus stock. Good value.

J. A. PETERSON & SONS,

Westwood, Cincinnati, Ohio.

Ferns, Whitman, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scotti, 4-in., 20c; 5-in., 35c; 6½ and 6-in., 40c to 60c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholze, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOSTON FERNS.

4-in., 12½c; 5-in., 20c, 25c; excellent stock.

Send us Trial Order.

EDW. DOEGE COMPANY,

4344 N. Springfield Ave., Chicago.

The best of all the Boston ferns, NEPHROLEPIS HARRISII, from 2½-in. pots, \$6 per 100; \$50 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Ferns, from bench, Boston, Whitman, Elegantissima, 4-in., 10c; 5-in., 12c; Scholze, Amerpohl, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

2,000 Boston ferns, 4-in., good strong plants. 100 Whitman, 4-in., extra strong, will make close price for cash as I need the room. Write for prices. Leo Wellenreiter, Danvers, Ill.

Ferns, Boston, Whitman, Scholze; from bench, 10c and 15c; 5 and 6-in., Boston and Scholze, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Amerpohl, 4-in., \$15 per 100. Whitman, 4-in., \$15 per 100; 3-in., \$8 per 100; 2-in., \$5 per 100. Elegantissima, 2-in., \$4 per 100. Randolph & McClements, Pittsburg, Pa.

Cibotium Schudel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000, 500 at 1,000 rate. Frank Oechsle, 4911 Quincy St., Chicago.

Nephrolepis Amerpohl, 4½-in., \$12 per 100. Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Cuneatum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus repens, 2½-in., 50c each. Elastica, 5-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, Belgium or American stock, 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Select well rooted cuttings, S. A. Nutt, \$1.25 per 100; \$10 per 1,000. Ready late October.

Send 10 cents for Sample.

EDW. DOEGE COMPANY,

4344 N. Springfield Ave., Chicago.

Geraniums, Nutt, Buchner, Vland, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poltevine, Nutt, Ricard, Doyle, Vland, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, R. C., S. A. Nutt, \$12.50 per 1,000. Ricard and Poltevine, \$15. A. M. Herr, Lancaster, Pa.

Geraniums, all the leading kinds. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GR'ENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-30 Broadway, Detroit, Mich.

Greens, huckleberry in standard amilax cases, \$2.50. Green wild amilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope. A. N. Pierson, Inc., Cromwell, Conn.

HYDRANGEAS.

Hydrangea Otaksa, 4-in. pot-grown, ready for 6-in., 3 to 6 shoots, \$8 per 100. Hydrangea Otaksa, field-grown, 3 to 6 shoots, very strong plants, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash, J. C. Rennison Co., Sioux City, Iowa.

Jerusalem Cherries, fine strong plants, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the valley, Berlin and Hamburg grades, McHutchison & Co., New York.

Lily of the Valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

From Storage.

Lily of the valley from cold storage, Brun's Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Brun's, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

MYRTLE.

Myrtle, first-class stock, \$2.50 per 100; \$25 per 1,000 bunches. Geo. A. Dhonau, Sta. H., Cincinnati, O.

NURSERY STOCK.

Nursery stock, roses, low on Canina, best sorts, \$4.50 per 100; \$40 per 1,000. Ornamental plants, hedge plants, fruit and shade trees, etc. G. Frahm, Elmsborn, near Hamburg, Germany.

Nursery stock, Deutzia Gracilis, 8-in. pot-grown, 70 to 80 flowering branches, 30c each; \$3 per doz.; \$20 per 100. Orchelid plums, apples, pears and cherries. Vaughan's Seed Store, Chicago and New York.

CATALPA SPECIOSA (genuine) and Black Locust in any size. Exceptionally fine stock. Special price on fall delivery. E. C. PIKE & CO., St. Charles, Ill.

Arbor-Vitæ, excellent stock, 24 inches and over; Rosedale, Flota aurea nana, a. o., 85c each. P. O. R. 178, Texas Nursery and Floral Co., Alvin, Texas.

Nursery stock, maples, planes, roses, fruits and ornamental stocks. English manetti; Japan lilies, rathia. McHutchison & Co., New York.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, irises, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Peach pits. W. L. Robbins, Concord, N. C.

OLEANDERS.

Oleanders, 3 to 4 feet high, nice stock, \$15 per 100. P. O. R. 178, Texas Nursery and Floral Co., Alvin, Texas.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For sizes and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Roehelenii, specimens, 12-in. trunks, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. McHutchison & Co., New York.

Palms, Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms, Kentias, latantias, Phoenix Roehelenii, Vaughan's Seed Store, Chicago and New York.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansies, best German strain, separate varieties, \$2.50 per 1,000. O. K. Heege, Station S., Seattle, Wash.

Pansy plants, Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoville, Mo.

Peonies, good divisions of mixed or separate colors, 5c. Mosbak Greenhouse Co., Onarga, Ill.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. For prices see advertisement on front cover pages. The Good & Reese Co., Springfield, Ohio.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Christmas and New Cluster peppers, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 2-in., \$2 per 100; 3-in., \$4 per 100. New Cluster pepper, 2-in., \$2 per 100; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias in pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 2½-in., \$5 per 100; \$40 per 1,000. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica grandi, 4-in., \$10 per 100. Chinesis, Rupp strain, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Chinese, 4-in., \$1.50 per doz. Obconica, 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, 2½-in., per doz., 75c; per 100, \$4. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula obconica and Malacoides, in bloom, 25c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

Primulas, \$1.50 per 100, 2-in., all kinds. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., \$3 per 100; \$25 per 1,000. Rober & Radke, Maywood, Ill.

RESURRECTION PLANTS.

Resurrection plants, selected stock, \$4 per 100; proven money-maker. P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$5 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillington, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, Strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Ride & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillington, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, 2½-in., Maryland, Carnots, \$4 per 100; \$35 per 1,000. Erie Floral Co., Erie, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early Spring sales.

Begonia Bedding Queen, finest Pink	\$2.50	Pkts.	\$0.50
Begonia Gracilis luminosa, fr. st. red	2.50	Pkts.	.50
Begonia Triumph, finest white	2.50	Pkts.	.50
O. V. Zangen.		Hoboken, N. J.	

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

GEORGIA CABBAGE-COLLARD SEED—Write for prices for immediate shipment, 1912 harvest. Also our special contract price for delivery out of 1913 harvest. MAULDIN BROS., CAIRO, GA.

Tomato Davy's Millionaire. Davy, Arpaion (S. & O.), France. A. Bachelot, traveling Representative in America, Care American Express Co., 65 Broadway, N. Y.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds. J. M. Thorburn & Co., 22 Barclay St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Broomdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brashan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, good shades, giant pink and white, 2½ in., \$2 per 100; \$18 per 1,000; 500 at 1000 rate. Cash. Clement S. Lewis, Aldan, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosback Greenhouse Co., Onarga, Ill.

VINCAS.

Vinea var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinea variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

"COLORADO GROWN PLANTS BEAT THEM ALL." VINCAS, variegated and green, 10,000 extra fine field clumps, ready for 4 or 5-in. pots, or can be divided, \$5 per 100; or \$40 per 1,000. Also 10,000 well rooted tips at \$10 per 1,000. All ready for immediate shipment. Cash or reference. ELITCH-LONG GREENHOUSES, DENVER, COLORADO.

Let us have your order for **VARIEGATED VINCA** Vines, strong, healthy, field-grown clumps; no runners taken off of these plants; ready for 4 and 5-in. pots, \$3.50 per 100; \$30 per 1000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Vincas, variegated, extra fine large field clumps ready to deliver, \$4 per 100. Brus Bros., 400 Main St., Kansas City, Mo.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

California, Gov. Herrick and Dorset, field-grown plants, \$4.50 per 100. Cash with order. W. F. Duntzman, Bensenville, Ill.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Violets, Gov. Herrick, fieldgrown, \$3 per 100. Byer Bros., Chambersburg, Pa.

YUCCAS.

Yucca filamentosa (extra strong), \$25 per 100 (rare bargains). P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

STOCK WANTED.

Wanted—10,000 A1 Amoor River cuttings. Audreylea Nursery, Lombard, Ill.

TO EXCHANGE.

Exchange.—We are pleased to exchange every article we advertise in the classified. What have you? P. O. B. 178, Texas Nursery and Floral Co., Alvin, Texas.

BUILDING MATERIAL.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilizer, 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152. Chicago.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hildinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kehr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS. Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Brecht's Florists' Refrigerators. Wire for prices. The Brecht Co., Main Office and Factories, St. Louis, Mo.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Hammond's Thrip Juice No. 2

For the Destruction of Sucking Insects and Caterpillars, Slugs, Aphides, Red Spider and Mealy Bug.



In 1883, twenty-nine years ago, we made this preparation for the use of a grape grower, Mr. Floyd Quick, of Fishkill, N. Y.

The Thrip is one of the most bothersome of insect pests, because the moment the plant is touched, off goes the Thrip.

Thrip Juice No. 2 is diluted for general use thirty to forty times with water. The late Isaac Wood, Florist, of Fishkill, N. Y., used it for Mealy Bug and Red Spider. This article was purchased by a druggist in Jacksonville, Florida, the late Dr. James A. Farley, who was Secretary of the Board of Trade. He found it effective against the Orange Scale. Upon trial in Florida we changed the formula, making another grade, which is Thrip Juice No. 1, and is arsenicated. This was tried out in Lake County, Florida, twenty-five years ago, and has been in use there yearly ever since. This Thrip Juice No. 1, by the growers, is used with a very great dilution. It is exported to the West Indies.

No. 2 Thrip Juice has been in use for twenty-nine years. The past two years there has been a steadily increasing demand, as it is becoming better known. If any Florist wishes to test **Thrip Juice No. 2**, and will pay the expressage, we will send him a sample for trial, because we know there is "No Magic in Killing Bugs," and it is the general average of success that proves the practical lasting value of any article.

Hammond's Paint & Slug Shot Works

Established 1875.

FISHKILL-ON-HUDSON, N. Y.



Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Mention the American Florist when writing

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30 000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$ inch. 40c per lb. by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.

5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

Siebert's Zinc Glazing Points.

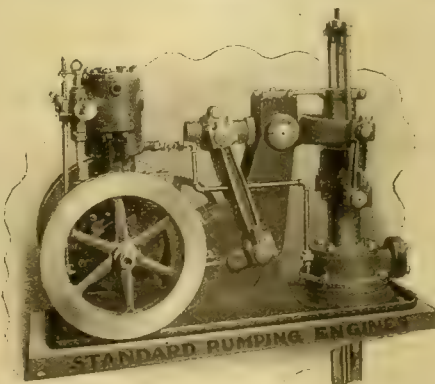
Good for small or large glass, do not rust easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch. Per lb 40c. 5 lbs. \$1.85. 20-lbs \$7.00

Vaughan's
Seed Store,
Chicago New York.

Mention the American Florist when writing

IT'S NOT WHAT YOU BUY BUT WHAT YOU GET THAT REDUCES YOUR COST.

Operated by
Gas, Gasoline
or Electric
Motor, $\frac{1}{4}$ to 5
Horse Power
Sizes.



Standard
Double Act-
ing Deep
Well Pump.

With the **Standard Pumping Engine** you get perfection in a water supply system.

A big saving on installation costs and repairs, because with the "Standard" you have "direct pressure" and need no tanks.

When you do buy, we follow each equipment with personal service—make it our business to see that the user gets satisfaction.

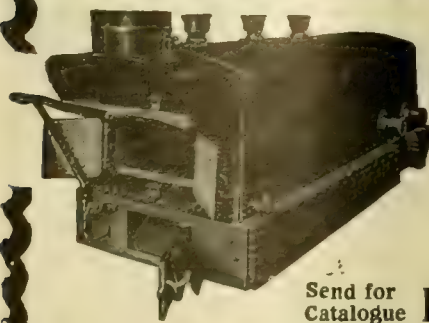
Write today for our New Catalog No. 12.

The Standard Pump and Engine Co.

18 Michigan Street,

CLEVELAND, OHIO.

What the Users say



Greenhouse and Residence Heated by One Kroeschell Boiler

Had different kinds of cast iron boilers. I am assured that I can save about one-third fuel with your boiler. I started firing Oct. 10th, and the fire never went out up to this time, May 12th, 1907. This boiler heats both my dwelling and greenhouses and gives the best of satisfaction. My dwelling is about 40 feet from the boiler. Can recommend your boiler to anybody. It is the only greenhouse boiler.

G. BASLER, Buffalo, N. Y.

Send for Catalogue **KROESCHELL BROS. CO., 452 W. Erie St., CHICAGO, ILL.**

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.
Published and For Sale by the
American Florist Co., 440 S. Dearborn St. CHICAGO
PRICE, ONE DOLLAR. POSTPAID.

*green Flies and
Black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOHOPP CO., MOUNT VERNON, N. Y.

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of
LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds. \$3.00; Twenty-five pounds,
\$6.00; Fifty pounds. \$10.00.

Sample packets of one half pound, 30c.
Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottoms and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists
and Supply Dealers.

Price \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.



Double-Glass Double Profits

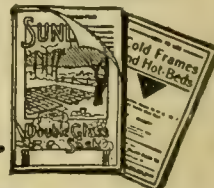
The old single layer hot-bed sash are far better than none; but they must be covered with mats, boards or shutters every evening and uncovered every morning. They are wasteful.

The new **SUNLIGHT DOUBLE GLASS SASH**, with two layers of glass enclosing an air space, are **COMPLETE IN THEMSELVES**. They eliminate all extra covers; they wipe out half the labor cost; they admit all the light by day to store warmth in the bed and then save the warmth at night.

They make plants earlier and stronger. They double final profits.

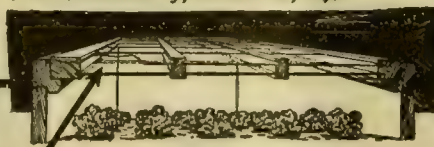
Every practical gardener or florist will see the value of this.

And it is good business for you to get our free catalog for full information. Write your address plainly and send it today; the hot-bed season is not far off. Prof. Massey's booklet on Hot-beds and Cold Frames sent for 4c in stamps.



Sunlight Double Glass Sash Co.

934 E. Broadway, Louisville, Ky.



The double layer of glass does it

Write for these books today.

A "RED DEVIL" GLASS CUTTER WITH 6 WHEELS.



Yes, it will cut 5,000 feet of any kind of glass. It has a "Red Devil" hardwood handle that will not tire the fingers. It is specially designed. Has 5 extra wheels in airtight chamber. A new wheel always ready for use. It's one of the 38 styles we make and all hardware dealers sell. Just insist on "Red Devil" No. 6 the expert glazier's tool. Send us fifteen 2 cent stamps and one only sample will be sent you postpaid.

"Red Devil" : top Pullers are the most perfect Fence Tools made.

SMITH & HEMENWAY CO.,
215 Chambers St., N. Y., U. S. A.

The Regan Printing House LARGE RUNS OF CATALOGUES

OUR SPECIALTY
WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

50% SAVED. Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

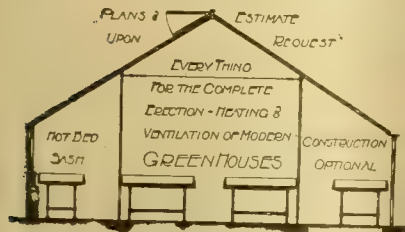
644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing Ave., Brooklyn, New York

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning

Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Mention the American Florist when writing



The Fire Channels Between the Sections Are Shaped Like This To Pocket the Heat.

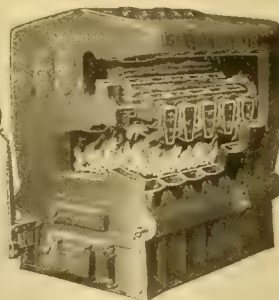
These channels run across the boiler from side to side. They pocket the heat and extract the hottest part. They give to the water returning from the mains the greatest heat in the shortest time, which is one of the important reasons for the surprising force and rapidity of circulation in Burnham heated coils.

Another thing those cross channels do is to lead the hot gases to the side flue openings on both sides of the boiler, which makes an equal distribution of the heat to each section, making every section an equal heater.

The three times fire travel that then begins at the side flue openings, although longer than any fire travel on any boiler we have ever heard of, is so carefully proportioned that the draft is neither too

strong nor too sluggish, but just right to insure your getting all the heat you ought to from your coal. It's all told and shown in the Handy Hand Book. Look it up. You can't go wrong on a Burnham—that's sure.

Write—or if in a hurry, wire or phone your order, and we will ship it same day.



Made in 22 sizes, for either hot water or steam. Will heat from 1042 to 11420 lineal feet of 2-inch pipe.

Lord & Burnham Company,

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

ARE YOU SATISFIED?

Have you a Garland Trussed Iron frame house? Have you ever investigated them? Here is what Mr. Irving Dunford of North Olmstead, Ohio, says in his letter of **July 20th**: "Under separate cover I am sending you a picture of my new greenhouse which I promised to send you. **That greenhouse has doubled my business this spring.**"

On **July 30th** we received his order for another iron frame house. Why? Because he had investigated and tried our houses out. Write him and see what he has to say.

Do not delay your investigation. Write us to-day for information.

GEO. M. GARLAND CO.,
LOCK BOX 5, DES PLAINES, ILL.

NOW READY

The American : :
Florist Company's

-- TRADE -- DIRECTORY

— For 1912 —

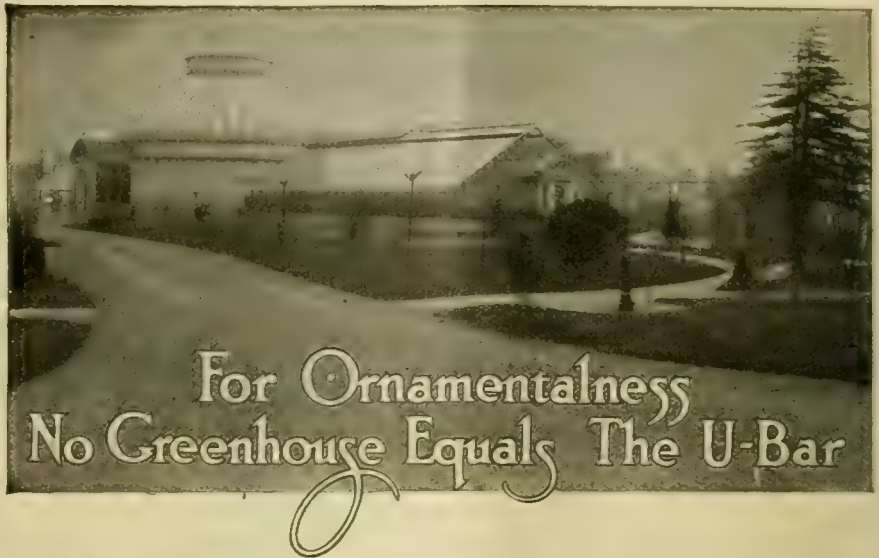
Contains 646 Pages
Price \$3.00 Postpaid

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St.
CHICAGO



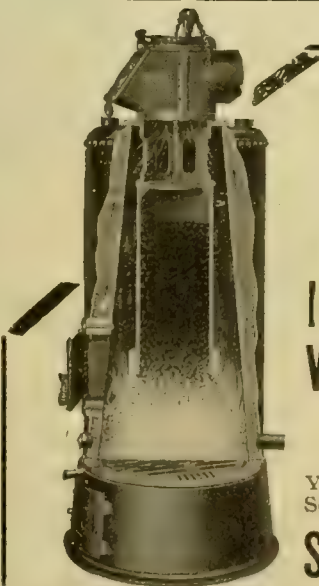
This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalogue and find out **just** why.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL



10 Hours Without Firing

even in severely cold weather, is a common experience with those growers who use the

Wilks Self-Feeding Hot Water Boilers

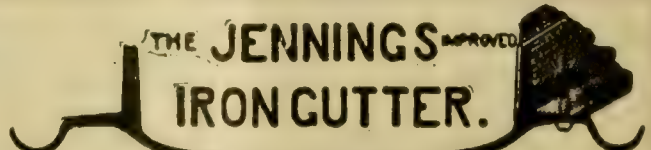
In the Coldest Weather Wilks Hot Water Boilers Can Be Relied On

to keep the temperature even and continuous, making night firing unnecessary. Made entirely of steel; no cast iron sections to crack.

You should know more about them.
Send for catalogue.

S. Wilks Mfg. Co., 3503 Shields Ave.,
CHICAGO, ILL.

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEFN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

**VENTILATING
APPARATUS**

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
GARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Mention the American Florist when writing

GREENHOUSES:

MATERIAL FURNISHED

AND

MEN TO SUPERINTEND

ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER.

THE J. L. STEARNS LUMBER CO.,

NEWTON, BOSTON, MASS.

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,

Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

GLASS.

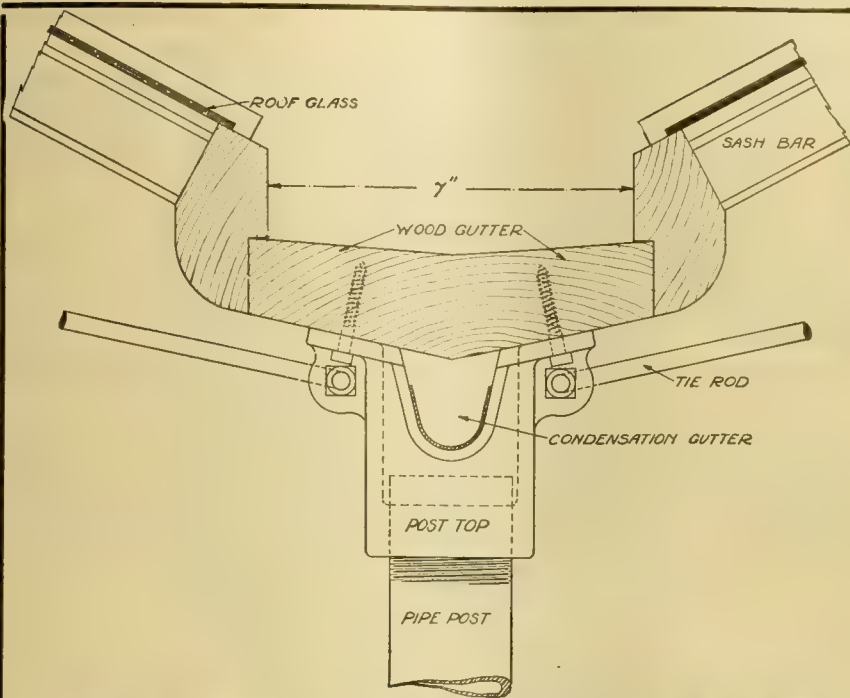
REMEMBER we always have the right
kind and the right prices. Don't fail to
write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880

22nd and Lumber St.

CHICAGO



KING GUTTER

MADE OF

WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines
all the good points of other wood gutters, **"AND THEN SOME."**

Note that the condensation and drip run down the side and sloping bottom to a
drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside
wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind.
We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works

N. TONAWANDA,
N. Y.

Boston Office

Winthrop Bldg., 7 Water St.,
Boston, Mass.

Eastern Sales Office

1181 Broadway,
New York

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard,
Near Des Plaines St. **Chicago**

Tobacco Paper IS THE STRONGEST BEST PACKED EASIEST APPLIED	“Nico-Fume” Furnishes the Most Nicotine for the Money!	LIQUID OVER 40% NICOTINE By far the CHEAPEST JUST NOTE PRICES
--	--	--

24 sheets.....\$ 0.75 144 sheets..... 3.50 288 sheets..... 6.50 1728 sheets..... 35.10	Pint\$ 1.50 ½ Gallon..... 5.50 Gallon..... 10.50 5 Gallons..... 47.25
---	--

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville Ky.

PULVERIZED CATTLE MANURE		PULVERIZED OR SHREDDED SHEEP MANURE
--	---	---

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago

Aphine

The Insecticide that kills plant life of every species

The Recognized Standard Insecticide.
 Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.
\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.
75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.
\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN
Aphine Manufacturing Co.
 Manufacturers of Agricultural Chemicals.
Madison, N. J.
 M. C. Ebel, General Manager.

Mention the American Florist when writing

Black flies and green flies are easy to kill with

“TIP TOP” BRAND

TOBACCO POWDER

FOR FUMIGATION AND SPRINKLING

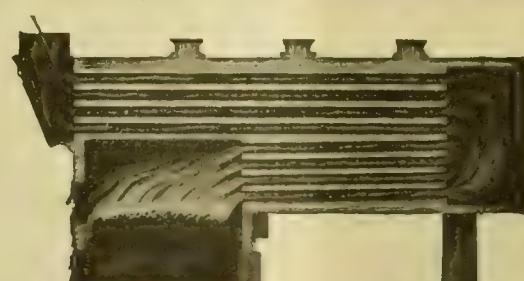
WRITE FOR SAMPLES
\$3 per 100 lb. bag
 Money with order

Satisfaction guaranteed or money back

Interstate Tobacco Co.
 1397-1399 Ave. A, New York.

“SUPERIOR”

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works

846-848 W. Superior St., CHICAGO, ILL.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

The Early Advertisement Gets There.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price **\$4.90**
4C12005, with arms, price **\$5.65**
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior
qualities of the

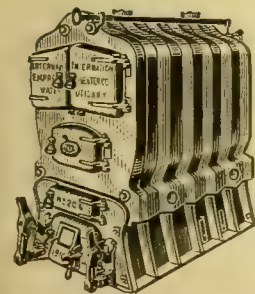
Mastin Spraying Machines

We will sell for a short time
F. O. B. Chicago, Ill., **Cash**
to accompany the order,
one 3-Gallon Mastin Steel
Spraying Machine Complete
for \$4.97, and give you one
Mastin Whitewash Nozzle
and one Extension Rod.
Free. Regular price \$7.80 for outfit.
Write name and address plainly. Cash
must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



Describe a
First-Class
Greenhouse
Boiler.

Fuel capacity
for the longest
winter.

Simple enough
to be fool proof
and conservatively
rated.

That is the
**INTERNATIONAL
Empress Boiler**
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

REED & KELLER,

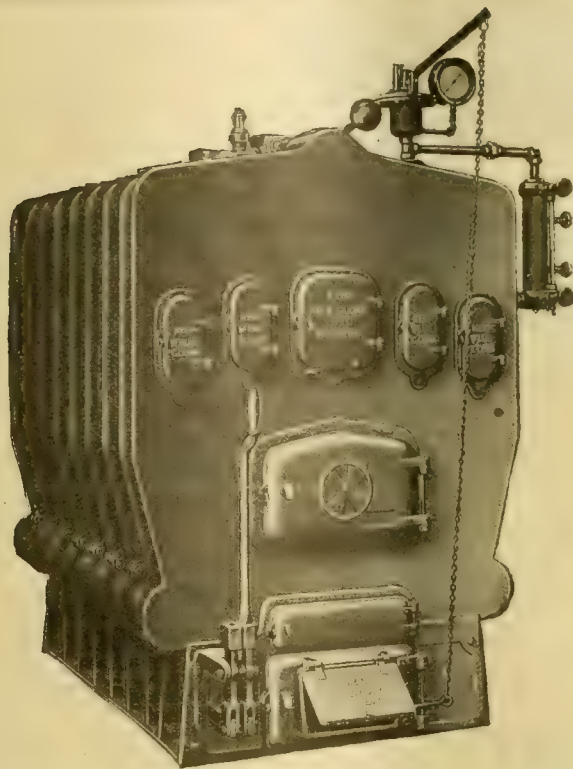
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing



Some Sound Advice.

DON'T be too much influenced by what your right hand neighbor
says about steel tubular boilers; or your left hand one says about
cast iron ones. Neither one is all right or all wrong. But there
is a sure, dependable way to get at the merits of each type of boiler and
that is by **comparing facts**—not opinions—**but facts**. We have such facts.

They cover costs of each type on installation, operation, repairs,
and heat returns.

It's what the office boys call, "getting right down to the brass
tacks of the situation."

We have spent years in gathering these facts and so it is not our
intention to send them out to every Tom, Dick, and Harry that sends in
a postal for them.

The only way to get them is through one of our representatives
coming to see you or your calling at our Elizabeth office to see us.
These facts were not collected with the idea of showing that cast iron
boilers are better than steel tubular ones; but to **prove** beyond all argu-
ment which type of boiler is the most economical for heating houses or
ranges of various sizes. So if you want to be surely sure, before you
invest your money, it would certainly be worth your while to have one of
us come and bring the proofs along and talk things over with you.

P. S.—One of our 36-10 steam boilers will develop steam to supply
6,260 feet of 1½-in. pipe—enough to heat a range having 18,780 sq.
feet of glass.

Hitchings & Co.,

Elizabeth, New Jersey.

H. BAYERSDORFER & CO.



**Florists'
Supplies.**

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

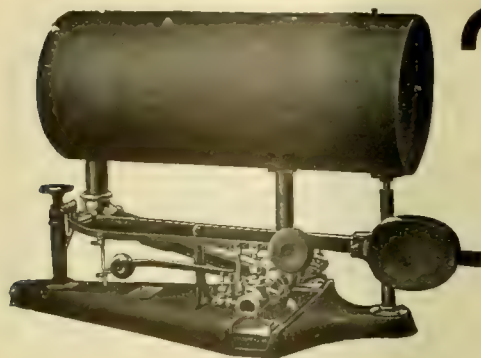
PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes,
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

The Early Advertisement Gets There



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.

MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

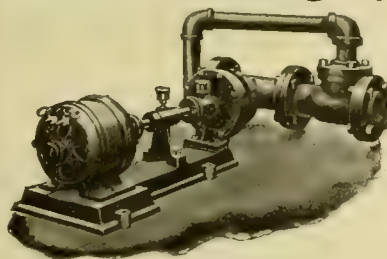
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Special'ty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, OCTOBER 12, 1912.

No. 1271

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLHANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FAROUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANthemum SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTT, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Dahlias.

Before the dahlias were through blooming they should have been care-fully named and a label properly in-scribed fastened to each plant that it is desired to save. As soon as the plants are killed by the frost they should be cut down and the tubers dug. Leave about six or eight inches of stem and firmly attach the label to this in such a manner that it cannot become loosened or lost. A good, dry cellar, either with a cement or earthen bottom, will keep them nicely through the winter, but it should be frost proof and not too near a boiler or heater. The tubers can be placed closely to-gether and then covered with soil and they will come through the winter and the tubers be nice and plump in the spring. They should be occasionally examined to see that they are not get-ting too dry or shrivelling. If this hap-pens cover the soil with papers and then sprinkle the paper and the soil will absorb the moisture.

Gladioli.

As soon as the frost has killed down the foliage the gladiolus bulbs should be lifted and dried off. Keeping the varieties separate, the bulbs with the tops attached, should be laid out in layers either on a light, dry shed floor, or on boards in the open air where they can be protected at night during frosty weather. A set of boards or frame shutters spread along on the south side of a building make a very fine place to dry them off and fully ripen the bulbs. Have plenty of cover-ing handy that can be thrown over them on cold nights. When thoroughly ripened the bulbs can be broken from the tops and packed away. Look the bulbs over carefully for any diseased spots and if any having these are found, keep them separate from the sound ones, for it is the prevailing opinion that the disease may be com-municated to a sound bulb by coming in contact with a diseased one. Of the finer varieties and those which it is desired to increase, save all the small corms, and these can be planted to grow on in succeeding years to make

flowering bulbs. There are so many new and meritorious varieties now being placed upon the market that the grower who has a market for gladioli should make it a point to use these, for the advance has been very rapid and many of the newer ones are far ahead of the older varieties. This flower has forged rapidly ahead in the last few years as a cut flower, and with the improvement now going on is bound to retain its popularity.

Callas.

The calla bulbs that were planted in pots during August should now have a fine start and should be placed in the benches or pots where they are going to bloom. Make the soil good and rich—it can hardly have too much manure to get the best results, but do not use too fresh manure, have it partly rot-ted. If grown in pots and the bulbs are large give them a good size, nine or ten-inch is none too large, and pot firmly. After potting give the plants a good soaking and then withhold water until the plants have obtained a good foothold in the new soil, when they will require lots of water. Place them in a house where the tempera-ture can be held at 60° at night if flowers during the winter are desired. Keep the plants tied up that the bloom may have straight stems. When cut-ting leaves be careful not to cut too low or the young flower that is en-folded in the leaf stem may be in-jured.

Mignonette.

As the weather grows cooler, the mignonette will begin to throw the long spikes that are so much desired by the best trade. The plants should be carefully kept tied or held erect for if they get bent over the stems will grow crooked and they are worthless. Growers adopt different methods for doing this. Some grow them in wire rings similar to the carnation supports, others cut short brush sticks which they set between the rows of plants and still others run wire the length-wise of the bench and tie strings across, making a square around each plant in which it will stand erect. Other wires and strings are added

Index to Advertisers,
Page 722

Ready Reference Advs.,
Page 723

Help and Situations Wanted,
Advertisements,
Page 691

as the plant grows. Keep the plants growing very cool from now on; a house at about the temperature of a violet house, that is from 36° to 40° at night will produce the finest spikes of flowers. When the flower spikes begin to show keep the plants well disbudded, allowing only the center flower to bloom and all the side shoots should be cut off. This will have to be done very early with the first bloom that sets, for as soon as it forms, three shoots will immediately start to grow at the base of the flower; these should be removed as early as possible that the entire strength of the stalk can go into the terminal flower.

Cleaning Up After Frost.

Every spring, from all sections of the country, come reports of the great amount of damage being done by cut worms in the fields of many growers, and as they are very difficult to combat in the open ground, a great loss is consequently the result. While the cut worms are unsuccessfully fought in the spring, they can be overcome by a little labor spent in the fall. The moths lay their eggs in the fall on any vegetation that is left, either weeds or the refuse of the crops that is allowed to remain on the ground either standing or lying around. It is therefore clearly understood that the best thing to do is to clean up the field of all vegetation and burn it up or cover it with soil and make manure of it, and then plow the ground and turn under any small weeds that might harbor the eggs. Deep fall plowing pays anyway in the crop for the succeeding year, improving the soil, and if this small amount of work will get rid of the cut worms it will amply repay for all the labor and expense. Many use this old rubbish for the covering of tender stock, but leaves and straw are far preferable for this purpose, the vegetation that is left after being killed by the frost is too full of water and will lie too close, and after the fall rains will make too compact a mass upon the plants which it is intended they should protect, and as the freezing weather comes on become a solid mass of ice. It is much better to put all this rubbish in a compost pile and cover it with earth. The fermentation will kill all the insects and their eggs, and it will make fine manure for pot culture, or if this is not done dry it out thoroughly and burn it. The appearance of the ground will be improved, the soil benefited and the worms killed by giving the field a thorough cleaning and ploughing.

INDIANAPOLIS, IND.—The Hill-Heller Co. has opened a store on North Pennsylvania street. The Italian style of architecture is carried out in the building and furnishings.

WASHINGTON, D. C.—The Brookland Brotherhood held its fourth annual flower, fruit and vegetable show October 1-2. D. H. Oertly was chairman of the committee on exhibition. He was assisted by W. E. Hall, C. H. Etz, C. F. Tansill, J. L. Primm, and W. G. Lieualen.

KANSAS CITY, MO.—That part of the city on the Kansas side of the state line will probably erect a municipal greenhouse this fall for the plants set out in the parks during the summer. Plans for a building 30x100 feet have been prepared by James Patten, superintendent of parks. It will cost about \$1,200.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

The New Idea in Retailing.

The greenhouse, once considered the standard at twenty by one hundred feet, has grown longer and broader, until now it is anywhere from three hundred to one thousand feet in length and fifty to seventy-five feet in width. Where at one time the erection of one such house covering an acre of ground as an addition to an establishment caused comment, a five acre group of such houses is now accepted as a matter of course. President Burton, in his address before the Society of American Florists in 1902 was greatly alarmed at the tremendous increase in the glass area during the previous five years. Whole ranges were springing up with mushroomlike rapidity all over the country, but particularly in the west, the growers of Chicago seeming to be in competition with one another as to who should have the largest acreage under glass. The possibilities of the enormous overproduction of cut flowers that would necessarily follow, was to him appalling, and he earnestly hoped that the growers would call a halt until the demand came up closer to the supply. While we believe Mr. Burton felt every word he said and was deeply impressed with the situation as he saw it and also voiced the thoughts of very many conservative men in the business, his words had little effect. There is probably now, only ten years later, at least three times the amount of glass given over to the growing of cut flowers that was to be seen then. Even the warning prophet himself, Mr. Burton, than whom there is no more conservative man in the business, has between himself and two sons, about kept pace with the rest of the country in the enlargement of greenhouse equipment. Even outsiders, men with capital, see millions in it. A gentleman recently invested \$50,000 as a starter on a farm at Yardley,

Pa. In speaking of the enterprise he said: "I know nothing about growing flowers. But I am taking the experience of others. I have had the last word in greenhouses erected by one of the best firms in the country. I have an experienced grower who will have ready cash for getting all supplies at rock bottom prices. This combination will insure me the best results, and as to the returns, I am besieged by prominent wholesale dealers who promise to place my flowers before the retail dealers of the large cities where I am confident of a splendid return on my investment."

Now, while there appears to be no let up in the increase of new greenhouse structures, there is a dissatisfaction with returns, and a growing belief, which has turned in some places to a fear, that a great overproductive period will set in that may result in panic prices or perhaps no price at all, which situation will become so severe that it will mean oblivion for those who are now reaching out without looking ahead to see if their footing is secure. The situation in New York, where during the last season there were times of great overproduction, is cited. It is said that if a certain large buyer by the name of Treple had not saved the day by purchases of some \$2,000 daily which he sold through three large department stores, the results would have been disastrous. One wholesale house is reported to have sold him as much as \$18,000 worth of flowers monthly. As this is all cash business, for Mr. Treple buys only for cash, it certainly did help out considerably. Whether the prices obtained encourage the growers to further enlargement of their places remains to be seen. The general impression among the producers is that although the supply is constantly increasing the demand lags behind and that it is the fault of the retailers who do not push the sales as they should. Several progressive retail merchants make a specialty of handling flowers by giving inducements of large quantities for little money on certain sale or



H. C. NEUN'S EXHIBIT AT STATE FAIR AT SYRACUSE, N. Y.

week end days. Others push sales by extensive advertising of a special box for one dollar. A Chicago dealer is said to handle an average of 500 of these boxes daily even in the summer months. This is given on the word of a grower who says he saw it done himself. It is said that a well defined movement is under way by men with capital to establish a chain of stores in greater New York in which flowers are to be sold on the popular price plan, much as they are handled by the department stores in that city.

The belief that flowers are not handled or presented to the public at such prices as to induce large sales, by the average retail merchant, has taken such a hold on some of the Western growers, that E. G. Hill & Co., Fred Lemon, and the Heller Bros. of Indiana, are about to show how they believe it can be done, and will open a chain of stores in Indianapolis, Cincinnati, and one or two other cities, where they hope to be able to sell direct to the consumer at prices which when expenses are taken out will net them much more than is now received via the ordinary commission route. When asked what effect this will have on the smaller retail dealers, they say that they believe the business has grown so fast that the retailers have not kept up and will have to get in step or work for those who are alive to their opportunities. Robert Craig says, "It is an evolution that is surely coming and those who are wise will go with the movement rather than buck against it. There are so many middle class buyers who have a taste for flowers and who would have them on their table if they were to be obtained at a moderate price, but they are unable to enjoy them because the ordinary retailer is afraid to buy in quantity and sell at a quick moving price. Selling four times as many flowers and making twice the money seems to be the new idea and the doubter should look into this. Let him take a day off, and see how Treple does it in the New York department stores. It will open his eyes to the possibilities of the business." Charles Meehan says, "It's coming. It is the right way to sell flowers. Don't keep them a luxury by keeping prices up. Buy in quantity lots at low prices and move them quickly. Invest the profits in a new stock and get down to as near a cash basis as possible, making it an excuse for the bargain price. Nothing like the cash, no loss in bad debts, no bookkeeping. I tell you the man that pays cash is king."

Jos. Heacock wants to see flowers sold at popular prices, but thinks the grower should keep hands off the retail end. He believes that many more flowers should be sold and could be if the retailers would push the business by carrying larger stocks and offer them at moderate prices.

All these ideas of disposing of the stock in a retail way by the growers or their agents, the commission men, are born from large cuts of flowers and full ice boxes. A house is erected and enough sold in one season to pay for it, the surplus is invested in another and these two build two more and so on and on. Nothing is said to the retail dealer as to how he should manage his business when stock is scarce, but when things begin to clog up then the grow-



MCKINLEY TOMB AT CANTON, O.

er and his agent begin to get busy. There are growers and growers, commission men and commission men, retailers and retailers, competent and otherwise. There are men in either field who are born to lead and others who can but follow. The business is changing, but is just like almost every other thing in this respect. Everything is going forward. Millions are added to the population every year. New methods of transportation and communication open up our great country to instant service in every part. The field for every large producer or his agent has grown faster than his imagination thought possible. The bright up-to-date retail dealer, need have no fear about the future of his business. His personality, combined with good business methods, will keep him to the fore against the competition of any of the weak-kneed growers who may cast their last year's panamas into the ring and think they can win out.

ROBERT KIFT.

McKinley Tomb and Westlawn Cemetery.

As the former home and the last resting place of William McKinley, a well beloved and deeply mourned president of the United States, there is a nation-wide interest in the city of Canton. The resident population of Canton is about 55,000, but the average of visitors to the McKinley tomb is 300 each day, or in round

numbers 110,000 a year. We assume that most of our readers are already well informed concerning the plan and erection of the tomb, therefore what is here written will be more in relation to the landscape features of its surroundings.

The selection of the site was a happy one, for nature had already done much, as the land all about is gently undulating and covered by a beautiful growth of oak, maple and other varieties of trees. The site of the tomb is higher than the surrounding territory and overlooks a large part of the city. The view, looking from the tomb toward the city, is beautiful, as landscape art has created a fine effect in a small artificial lake with a considerable expanse of parking on either side. Many shade trees have been planted and are in a flourishing condition.

Westlawn Cemetery adjoins the grounds on which the tomb is located and it was there that the remains of the martyred president were temporarily entombed. Here, too, it would seem that nature had prepared the way, for the grounds are a succession of wooded slopes. The natural beauties have been preserved and greatly enhanced by intelligent and judicious pruning and planting. What strikes the visitor is that there has been no straining for effect, but here and there a touch has been given to an unsightly spot that has transformed it. In going through we were reminded more

of a well kept park than a cemetery and we believe that visitors to every cemetery should go away with a similar impression.

J. A. Reed is the capable superintendent of Westlawn and he deserves much credit for its excellent condition.

A Beautiful Estate.

The spacious grounds of the John W. Pepper estate at Jenkintown, Pa., are laid out with ample lawns and gardens both formal and old fashioned. There is none of the carpet bedding, the velvety green of the tree bordered

a home. A few privet trees, mostly dwarf sorts, are seen, as are some splendid specimens of ramblers trained to poles. A coral honey suckle grown in this way is a conspicuous feature. It is a veritable paradise for the lover of flowers, as there is a constant supply of blossoms from the time of the spring bulbs until the frost finishes the chrysanthemums in the late fall.

A pergola covered with grape and other vines and bordered with hydrangeas is a lovely feature. This covers the walk from the mansion to the conservatories, where a house of ornamental foliage plants is a beautiful

a pretty sight. Tomato vines in pots have grown great crops of fruit the past season. William Robertson, to whom the high order of culture seen here is due, is a modest gentleman, but one of the most successful managers of the many private estates around this city. In his office which adjoins the conservatories the roof and ceiling are papered with the first premium blue ribbon cards won at the various shows of the Pennsylvania Horticultural Society; there are hundreds of them. He also treasures many silver cups. Taking it all in all, this is one of the most beautiful spots in this section of the country.

K.



A BEAUTIFUL ESTATE.

A View of the Lawn.

lawns stretching away like a huge carpet without a seam. A few specimens and small groups of trees, remarkable for beauty of form or foliage, are dotted at intervals to give variety, the lawn in the distance being bordered with a wave line of trees and shrubs that form a beautiful background and add "finish" to the picture. The formal garden is a depressed plateau separated from the terrace of the mansion with a stone balustrade; it is directly in front of the mansion. The beds and sections are divided with hedges of privet, the smaller beds and paths being bordered with box. The hedges are trimmed with square and oval tops, the covers and either side of the entrances to the walks having plants trimmed to pyramids. Globes, naterellas and pagodas, vases, fountains and statuary are plentiful and placed wherever they add to the beauty of the scene. Lombardy poplars rise like sentinels in the distance and form an admirable background.

Along the center walk on either side are seen the best of the Hybrid Perpetual Roses, the cross paths being planted with the hybrid teas. The old fashioned perennial gardens are a veritable riot of color. All the paths which, with the exception of the center, wind around in a semi-geometrical shape, are covered with grass kept short, making a dense sod. It is not worth while to describe the varieties of plants seen here, as everything worth growing appears to have found

sight. Another is filled with chrysanthemums in pots, single stem plants from which magnificent exhibition blooms will be cut in the fall. A viney loaded with bunches of grapes is

Imported Azaleas.

The imported plants of Azalea Indica are now here and the grower will do well to prepare for them by having his pots and compost all ready to give them attention without any delay. The plants do not apparently root deeply in the soil in which they are grown in Europe, the balls being wide rather than deep, and consisting of a mass of fine fibry roots. For this reason special azalea pots are made wider than the ordinary pots of the same depth, and just allowing sufficient room for a little drainage and to take the plants easily. One good crock should be laid concave side down over the drainage hole and a little rough fibry peat shaken out when preparing the compost should be placed over this to prevent the fine sandy particles of the soil being washed away by the continuous watering. The soil should consist largely of fine yet fibry peat, with a little good loam to give it adhesiveness and allow of its being well firmed in the pots and a sprinkling of guano or dried cow manure. As soon as the plants arrive take them out of the packages and examine them carefully to see if any are dry at the roots. Often they have been transhipped several times before reaching the grower and each time renders them more liable to be dry. Have flat tubs if no tank is at hand and place the balls of roots in water deep



A BEAUTIFUL ESTATE.

The Center Grass Walk in the Old-Fashioned Garden.



A BEAUTIFUL ESTATE.

At the Extreme End of the Plateau.

enough to cover them, leaving them to soak for an hour or two; then take them out and allow the superfluous moisture to drain away before potting the plants. If there is the least suspicion of dryness in the majority of the plants, soak them all, for it can do them no harm, and if potted while the center of the ball is dry, it will be difficult to moisten it afterwards and the drought will likely cause the loss of some leaves. In potting, the old ball should be lightly covered, setting the plant in the pot so that the soil rounds a little to the center and making it very firm. When the plants come with the heads tied up it will be better to untie them before potting, as it is impossible to see the exact shape of the heads while these are tied and this it is necessary to do to pot the plants properly. Pot each so that it looks best according to the shape of the head, and after potting stand the plants level on a shed floor and thoroughly soak every particle of soil with water. The plants must be gone over several times to do this, taking especial care that those on the outside are well moistened. When they have run a little dry, place them in a cool house and spray the heads several times daily. If there is a quite cool house with an earth floor, such as is used in many places for starting newly imported stock, this is the best possible place for the azaleas, and they will recover more quickly from the journey in the cool, moist atmosphere of such a house than anywhere else.

THE ROSE.

Night Firing.

We can now look for frost at any time in many sections of the country, or at least weather cool enough to do light firing and the temperature of the rose houses at this season is a very important matter. We quite often see a heavy fall of foliage in the early fall, and a certain amount of foliage will naturally come off in the early autumn, especially from plants that are grafted, as the manetti grown outside drops its foliage much earlier than other rose stock and is therefore subject to loss of foliage inside when grafted on. So after all there is nothing especially alarming about a rather unusual amount of leaves coming down at this season. Yet this may be caused also by the lack of proper ventilating and carelessness in regard to temperature either day or night, and the loss of foliage may attain dangerous proportions. Under normal conditions the foliage that will be dropped will be the extremely ripe or overripe leaves found at the points of the growths and other foliage found on turgid growths. This will not do any harm. But if the condensation is allowed to collect on the fresh foliage during the night or early morning and for several mornings in succession one can look for a case of black spot and mildew, with a severe loss of good foliage and a decided check in tip growths.

Now we come to the question of how to prevent the above results of carelessness. In the first place we have stated in a previous article that at this season there is a great difference in the temperature at noon and at say, from midnight till sunrise, so great indeed at times that without a little steam circulating through the pipes there will be a severe check. So to be on the safe side the night fireman should at once take hold of things. He may be an old employee that thoroughly understands the heating system and any of its peculiarities so often found in greenhouse heating and he will know at once how to grasp any difficulties that may arise. On the other hand, he may be a new man that lacks experience and even an experienced fireman undertaking a new job will be at a loss for a time to know just what to do. So, by all means, go over the system carefully with the new man, explain everything you can think of, show him the valves in the out of the way places, and for several nights stay with him when turning on the different coils, until every thing is quite familiar to him.

Now as to the temperature. The most practical way to insure uniform results is to tag each thermometer for the night man, punching a card plainly showing what temperature is required and if any change is required talk it over with him and change the tags. We would suggest a temperature at night at this season (with steam or hot water circulating) of

from 64° to 66°, allowing an opening of the vent sash about three inches (a little more air will be better on calm nights). This temperature can be gradually decreased as follows: Taking 66° as a maximum temperature and 64° as the minimum, hold these figures for a week or 10 days, then drop from to 62° to 64° for at least two weeks, at the same time

CHRYSANTHEMUMS

Temperature and Ventilation.

The first week in October found the early varieties making a fine show. Donatello (yellow) was ready to cut October 3, Polly Rose (white) October 7, and Chrysolora (yellow) October 9,

opened up is one of the surprises of the season. Some of the former were ready on the first of the month and a number of Chrysolora could be cut October 4, but we allow the blooms to get well developed before cutting. The second early and many of the exhibition varieties are also showing a good deal of color and our principal order of business among the chrysanthemums for the time being is to encourage their fullest development; and our first thought on this is to maintain a cool, dry atmosphere. Dampness will cause the petals to spot and a high, close temperature will bring on red spider and make the petals shrivel.

As the blooms begin to expand the soil should be held a little to the dry side but the plants must not suffer from extreme dryness or the blooms will be undersized and of poor finish. Go over the beds daily and water any dry places. There are always spots in a bench of plants that dry out quicker than others owing to the more vigorous root action of one variety than another or the more exposed position of the bench. The grower who has followed his plants closely is well "posted" as to these conditions. The watering should be done early enough in the day to allow for the drying up of the atmosphere before evening. The best time to attend to this work is between 9 and 11 o'clock in the morning. Another very important question is that of temperature and ventilation. Plenty of fresh air is essential but it must not take the form of a cold draught. A cold current of air working through the plants will bring on mildew and rust as well as cause many imperfect flowers.

The temperature is usually a difficult problem the first two weeks in October, owing to the warm weather that we get at this period, for two or three days at a time the outside day and night temperature being above that desired for the inside. To overcome this a light shading on the glass is a great help. It will keep the house cool and prevent the petals burning. The night temperature can be regulated to a great extent by ventilating,



A BEAUTIFUL ESTATE.

A Coral Honeysuckle.

leaving a little air on. Along about November 1 the temperature can be reduced to from 60° to 62° and from then on from 58° to 60°.

These temperatures will be found to suit the most of the commercial varieties of forcing roses in the tea and the hybrid tea classes with the exception of perhaps My Maryland, which we have found requires from 2° to 4° more heat throughout the season than the Killarneys, Richmond or American Beauty and others of more recent date of introduction. Of the 1912 introduction we have yet to get considerable more experience before we can state anything definitely except that they show much promise. This is true of Lady Hillingdon, double white Killarney (Budlong strain), Killarney Queen, and Sunburst. E.

HUNTINGTON, L. I.—The Huntington Horticultural and Agricultural Society opened its tenth annual exhibition September 17.

ROCKTON, ILL.—The dwelling and greenhouse of J. H. Farnsworth were destroyed by a fire believed to have been of incendiary origin, September 12.

CHAMPAIGN, ILL.—H. A. Bode, superintendent of greenhouses on the Illinois Central from Chicago to New Orleans, has sold his residence property and will move to Chicago.

COWENTON, MD.—The sixth annual dahlia and flower show was held at Vincent's Dahlia and Canna Farm in connection with the harvest home festival of Ebenezer M. E. church, September 24-27.

with Gloria (pink) a few days later, closely followed by Pacific Supreme (pink). This is not in accordance with the usual order of maturity of other seasons with these varieties. Polly Rose generally is the first to be ready. Last season we cut this variety October 4, Donatello October 9, and Chrysolora October 12. The way the varieties Donatello and Chrysolora have



A BEAUTIFUL ESTATE.

Looking Across the Depressed Plateau from the Mansion Terrace.



A BEAUTIFUL ESTATE.

The Wave-line Tree Border of the Lawn.

but do not carry it to such an extreme as to cause a heavy dew to settle on the blooms. A little steam running through with the ventilators open a few inches will help to gauge the temperature properly in the houses. The aim should be to hold the inside temperature around 50 degrees. Sometimes it will be necessary to increase this a little if the buds on some of the exhibition varieties are not opening properly, and a few degrees less will hold a batch of blooms that are coming along too fast; but under either of the conditions the aim should be, as before stated, for a dry, cool atmosphere. C. W. JOHNSON.

Early Selected Buds.

Buds selected in July and early August, either for the production of early blooms or to secure double flowers on some of the exhibition sorts, are more apt to go wrong by turning black and blasting than the later ones. It is often difficult to give the exact cause, but such conditions as becoming dry at the roots, excessive heat, and too generous application of food are all detrimental and should be guarded against when the buds have just been selected, especially so if they are very small at the time. If the plants suffer for want of water many of the blooms will have short petals, while overfeeding gives many tight buds which produce contorted petals that do not expand or elongate freely.

Blasted buds are seldom if ever apparent on bush plants where many shoots are permitted to develop buds.

When restricted to one bud the whole energy is directed to this part, then being constructed, and any maltreatment at this time is most violent in its effect. We know from experience that the concentration of food causes the petals to burn on some kinds during hot spells and possibly the same action takes place in the early stages of bud development, when such unfavorable conditions exist. We all know buds swell more quickly when the weather is cool, and for this reason all possible ventilation and frequent spraying to lower the temperature should be resorted to after the buds have been selected. Many of the blooms reach the market in a semi-developed state, and while these are undersized and are soft each grower must decide the best course to follow. It is often permissible to cut early when other stock is scarce, but the keeping qualities are greatly impaired, as the petals will ripen, becoming firm, if allowed to remain until the center is developed.

We have never been able to see any advantage in going to the extreme in this matter. It is not uncommon to see blooms offered that still need two weeks to bring them to perfection and we doubt if the returns for such quality is greatly in excess of what they would bring when properly finished. We find some satisfaction in the fact that most all the early kinds seen upon the market October 1 originated at Adrian, Mich. We refer to such as Golden Glow, Smith's Advance, October Frost, Unaka, Pacific Supreme

and Monrovia, and, while they are early when properly grown under glass, they are of little value for September flowering out of doors and probably this is due to the dry air usually through August and September. They are not raised, nor have we ever recommended them for this purpose. There are a few kinds in favorable seasons which will give quantities of small flowers from August to October outside but most of these are of French or English origin, where the climate is better adapted to this class. ELMER D. SMITH.

Montana Florists and Nurserymen.

A very important meeting of the Florists' and Nurserymen's Association of Montana was held during the past week at the State Nursery Co.'s office at Helena. There was a large and representative gathering of the members from different parts of the state, and various subjects of interest to the organization were thoroughly and intelligently discussed. The following officers were unanimously re-elected: T. E. Mills, president; D. J. Tighe, vice-president; E. A. Calmettes, secretary and treasurer. Committees were appointed to promote the welfare and advancement of the organization during the ensuing year.

General dissatisfaction was expressed at the very inadequate accommodation provided by the state fair commission for housing and exhibiting horticultural products, and as these

products combine one of the principal industries of the state, giving employment to thousands of workmen, who by their intelligent and scientific methods of cultivation are placing Montana in the ranks of the great fruit producing states of the country, it was the consensus of opinion that better accommodations should be provided. After thoroughly discussing the matter the following resolution was unanimously adopted:

"Resolved, that it is the sense of this association that the facilities for the exhibition of horticultural products at the state fair are totally inadequate and are a disgrace to the great state of Montana, and that many exhibitors are discouraged from making displays of tender products by the danger of losing them, and,

"Resolved, that as the horticultural industry is increasing from year to year, and as the displays of horticultural products attract thousands of visitors to the fair, therefore, be it

"Resolved, that it is the sense of this association that the thirteenth legislative assembly be petitioned to appropriate money to build a horticultural hall for the display of the horticultural products of Montana in a manner befitting the importance of this great industry in the state."

It is a fact that as the display had to be in a tent that was wholly inadequate to protect the exhibits from the inclemency of the weather and where even a light frost would destroy the exhibits, many of the growers refused to run the risk of losing their stock, and even those who exhibited this year expressed themselves as unwilling to run the risk another year.

Owing to the fact that the blight is affecting some orchards in irrigated districts, and wishing to prevent as much as possible its further spread, the following resolution was also adopted:

"Resolved, that the members of this association discourage the planting of Alexander and transcendent crab apples in irrigated districts owing to the liability of these varieties to blight."

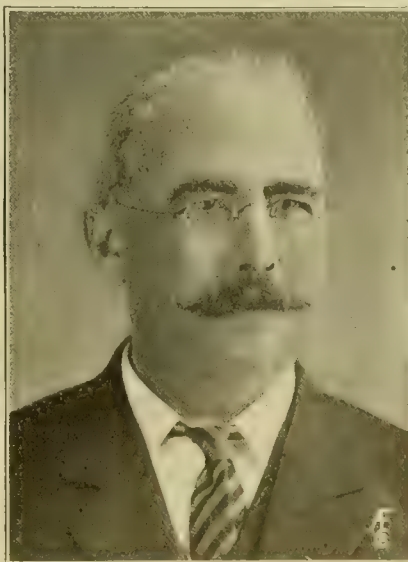
After the meeting the company was entertained at luncheon by T. E. Mills of the State Nursery Co.

Dahlia Show at Vincent Farm.

While the annual dahlia shows of the past five years held by R. Vincent, Jr., & Sons Co., at White Marsh, Md., have been very creditable the one just closed was the most elaborate ever attempted by this firm. The inside exhibition covered a floor space 40 x 100 feet, requiring upwards of 50,000 flowers, along each side, and so arranged as to completely conceal the wall. There was a continuous bank of dahlias 90 feet long and 6 feet high, set up in 10-quart galvanized buckets, which were entirely hid by oak foliage.

Thirty different varieties were staged, viz.: Cuban Giant, Queen Wilhelmina, Lyndhurst, Princess Victoria Louise, Chas. Lanier, Mrs. C. W. Bassett, Black Beauty, Perle de Lyon, Jeanne Charmet, Bonton, Mrs. Geo. Stevenson, Sylvia, Amos Perry, Susan, Souv. de Mme. Moreau, Mad. Lumier, Arabella, Kreimhilde, Fire Rain, Mrs. Hartong, Mrs. J. G. Cassatt, Flora, Mrs. Chas. L. Seybold, Baron Schroeder, C. W. Bruton, Mad. Van den Dael, Wm. Agnew, Lucy Fawcett, A. D. Livoni.

On the opposite side of the center an effort at design work was attempted. A slanting staging was built. This was covered with flats filled with moss, making a solid bank sixty-four feet long and six feet high. Beginning at one end a twelve foot space was covered with Delice as a ground, in which was a cornucopia of Golden West, followed by a photograph of four of the Presidential candidates, each in a frame of dahlias 5 x 6 feet. President Taft was surrounded by Souv. de Gustave Duzon, Wilson by Cuban Giant, Roosevelt by Mrs. Roosevelt, Chafin by Grand Duke Alexis. These were followed by a block the same size of pom-pom dahlias, in which were circular beds each four feet in diameter, featuring special kinds. A twelve by six foot design contained a life size bust photograph of the senior member of the firm.



C. O. E. Boehm.

Superintendent of Davenport, Iowa, Parks.

Boehm Wedding Anniversary.

The members of the Tri-City Florists' Club met at Central Park, Davenport, Ia., and marched in a body to the home of Park Superintendent and Mrs. C. O. E. Boehm, Sunday evening, September 29. The occasion was the silver wedding anniversary of Mr. and Mrs. Boehm, who were quietly celebrating the event and were unaware of their friends' intentions until they arrived at the Boehm home. Mr. Boehm was greatly surprised to be greeted by so large a crowd when he opened the door, but quickly recovered and soon had his guests at their ease.

As a token of the esteem in which they are held the park superintendent and his amiable wife were presented with a solid silver tray appropriately engraved. Mr. Boehm thanked the donors on behalf of his wife and himself when he had sufficiently recovered from the emotion caused by this unexpected evidence of his fellow craftsmen's regard. A hot supper and a fine social time came later, and the visitors and their hosts made merry until early morning. It was one of those affairs which make the average florist forget the coal man for an evening at least.

Stiles-Jervey Wedding.

George Leslie Stiles, manager of the Stiles Co., and Mrs. Eugene P. Jervey were married on Monday, September 30, at the home of the bride's sister. The bride is a daughter of Mayor Grant and owing to the recent death of her mother the wedding was a quiet one. Mr. Stiles has lived in Oklahoma since the early days, coming here when quite young. His father was Captain Daniel F. Stiles of the United States army, stationed in Oklahoma at the time of the opening, in command of the troops sent by the government to keep law and order. Immediately after the ceremony Mr. and Mrs. Stiles left for Chicago, where they will spend their honeymoon. Upon their return to Oklahoma City they will reside at 610 West Seventeenth street.

S. S. B.

Illinois State Fair Awards.

The exhibits of the flower firms at the Illinois state fair, October 4-12, were of great variety and the exhibition was a success in every way. The contests were for the most part close, with the same names occurring again and again in the list of prize winners, but the biggest honors were carried off by the Poehlmann Bros. Co. of Morton Grove. This firm carried off twenty-nine firsts as well as a number of second and third prizes. The Chicago Carnation Co., A. C. Canfield, Geo. M. Brinkerhoff, A. C. Brown, Geo. A. Kuhl, the Janssen Seed & Floral Co., Wirth & Gaupp, A. T. Hey, Gullett & Sons and the Cottage Greenhouses were all prize winners.

PLANTS—FOR PROFESSIONALS.

Collection of stove and greenhouse plants—A. C. Canfield, first; Geo. M. Brinkerhoff, Springfield, second; Janssen Seed & Floral Co., Springfield, third; Geo. A. Kuhl, Pekin, Ill., fourth.

Twelve palms, single—Geo. M. Brinkerhoff, Springfield, first; Geo. A. Kuhl, second; A. C. Canfield, third; Janssen Seed & Floral Co., fourth.

Six palms, single, three varieties—A. C. Canfield, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third; Janssen Seed & Floral Co., fourth.

Two palms, made up—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

One palm, single—A. C. Canfield, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third; Janssen Seed & Floral Co., fourth.

One cycas revoluta—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Wirth & Gaupp, Springfield, third.

Four araucarias, any variety—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; A. T. Hey, Maywood, Ill., third.

Twelve crotons, in variety—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; Janssen Seed & Floral Co., third.

Best ornamental or foliage plant—A. C. Canfield, first; Janssen Seed & Floral Co., second; Geo. M. Brinkerhoff, third.

Begonias, flowering, 12 in variety—Geo. M. Brinkerhoff, first; Wirth & Gaupp, second; A. C. Canfield, third. Cyclamens, best 10 plants—Gullett & Sons, Lincoln, Ill., first; Geo. M. Brinkerhoff, second; Janssen Seed & Floral Co., third.

Orange trees, best two plants in fruit—Janssen Seed & Floral Co., first; Geo. M. Brinkerhoff, second.

Twelve ferns, distinct, one of each—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Six ferns, distinct, one of each—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Four adiantums, distinct—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Four Nep. Bostoniensis—A. C. Canfield, first; Wirth & Gaupp, second; Geo. M. Brinkerhoff, third.

Four Nep. Piersoni or other sports of Boston—Gullett & Sons, first; Wirth & Gaupp, second; Geo. M. Brinkerhoff, third.

Four Nep. Whitmanii—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Four Nep. Scotii—A. C. Canfield, first; Geo. M. Brinkerhoff, second.

One Nep. Bostoniensis—Geo. M. Brinkerhoff, first; Gullett & Sons, second; Wirth & Gaupp, third.

One Nep. Piersoni or other sport of Boston—Gullett & Sons, first; Geo. A. Kuhl, second; Geo. M. Brinkerhoff, third.

One Nep. Whitmanii—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second; A. C. Canfield, third.

One Nep. Scotii—A. C. Canfield, first; Geo. M. Brinkerhoff, second.

One Cibotium Schiedei—Janssen Seed & Floral Co., first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third.

Four Dracenas, four varieties—Janssen Seed & Floral Co., first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third.

Four Pandanus Veitchii—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; Geo. A. Kuhl, third.

Twelve baby ramblers in bloom—A. C. Brown, first; Geo. M. Brinkerhoff, second; Geo. A. Kuhl, third.

Twelve Souper in bloom—A. C. Brown, first; Geo. M. Brinkerhoff, second.

Six Asparagus Plumosus—Geo. A. Kuhl, first; Janssen Seed & Floral Co., second; A. C. Canfield, third.

Collection of fancy leaved caladiums, 15 plants—Geo. M. Brinkerhoff, first; Janssen Seed & Floral Co., second; Geo. A. Kuhl, third.

Hanging basket fern, 14 inch—A. C. Brown, first; Geo. M. Brinkerhoff, second; Gullett & Sons, third.

Hanging basket sprengeri, 14 inch—Geo. A. Kuhl, first; Geo. M. Brinkerhoff, second; A. C. Brown, third.

Basket foliage plants, for effect—Geo. M. Brinkerhoff, first; Geo. A. Kuhl, second.

Two window boxes, 8 in. x 5 ft., filled—Geo. M. Brinkerhoff, first; Wirth & Gaupp, second.

One fern dish, filled—A. C. Brown, first; Gullett & Sons, second; A. T. Hey, third.

Best collection of bulbs for fall planting, named—Janssen Seed & Floral Co., first.

Best Easter lilies, twenty, one bulb to pot—Janssen Seed & Floral Co., first; Geo. A. Kuhl, second.

CUT FLOWERS—PROFESSIONALS.

Roses—Class 1.

American Beauties, 50 flowers—Poehlmann Bros. Co., Chicago, first, \$50; A. C. Brown, Springfield, second, \$30; A. C. Canfield, Springfield, third, \$25.

American Beauties, 25 flowers—Poehlmann Bros. Co., first, \$15; A. C. Brown, second, \$10; A. C. Canfield, third, \$7.

Richmond, 50 flowers—Poehlmann Bros. Co., first, \$12; A. C. Canfield, second, \$9; A. C. Brown, third, \$8.

Mrs. Jardine, 50 flowers—A. C. Canfield, first, \$12; Janssen Seed & Floral Co., second, \$9.

Brides, 50 flowers—Janssen Seed & Floral Co., first, \$12.

Bridesmaids, 50 flowers—No entries.

Killarney, pink, 50 flowers—Poehlmann Bros. Co., first, \$12; A. C. Canfield, second, \$9; A. T. Hey, Maywood, third, \$8.

Killarney, white, 50 flowers—Poehlmann Bros. Co., first, \$12; A. C. Brown, second, \$9; A. C. Canfield, third, \$8.

New variety, last season's introduction, 50 flowers—Poehlmann Bros. Co., first, \$12; A. C. Canfield, second, \$9; A. C. Brown, third, \$8.

Kaiserin Augusta Victoria, white, 50 flowers—A. C. Brown, first, \$12; Janssen Seed & Floral Co., second, \$9.

My Maryland, 50 flowers—Poehlmann Bros. Co., first, \$12; Janssen Seed & Floral Co., second, \$9; A. C. Brown, third, \$8.

Best six varieties, 25 blooms each, American Beauties excepted—Poehlmann Bros. Co., first, \$25; A. C. Canfield, second, \$20; A. C. Brown, third, \$15.

MISCELLANEOUS CUT FLOWERS.

Collection dahlias, 100 blooms, single—Janssen Seed & Floral Co., first, \$8.

Collection dahlias, 25 blooms, double—Janssen Seed & Floral Co., first, \$8.

Collection hardy perennials, 12 vases, each variety in separate colors—A. T. Hey, first, \$5.

Collection of asters—Janssen Seed & Floral Co., first, \$4.

Collection of gladioli—No entries.

Best six orchid plants in bloom—Poehlmann Bros. Co., first, silver medal.

Best collection of chrysanthemums, greenhouse grown, 50 blooms, two varieties of 25 blooms each—Poehlmann Bros. Co., first, \$15; A. T. Hey, second, \$12; Janssen Seed & Floral Co., third, \$10.

Best 100 lily of the valley, cut—Poehlmann Bros. Co., first, \$5; Janssen Seed & Floral Co., second, \$3.

Best 50 chrysanthemums, any variety—A. T. Hey, first, \$15; Janssen Seed & Floral Co., second, \$12.

Best display of cut orchids, any variety, permitted to have more than one of a kind, no less than 50 blooms on entry, accessories furnished by exhibitor—Janssen Seed & Floral Co., first, \$40; A. T. Hey, second, \$30; Poehlmann Bros. Co., third, \$20.

CARNATIONS.

Best 50 blooms, white—Chicago Carnation Co., first, \$6; Poehlmann Bros. Co., second, \$4; A. C. Brown, third, \$3.

Best 50 blooms, flesh pink—Poehlmann Bros. Co., first, \$6; Chicago Carnation Co., second, \$4; A. C. Brown, third, \$3.

Best 50 blooms, light pink—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4.

Best 50 blooms, dark pink—Poehlmann Bros. Co., first, \$6; Chicago Carnation Co., second, \$4; A. C. Canfield, third, \$3.

Best 50 blooms, rose pink—A. C. Brown, first, \$6; A. C. Canfield, second, \$4.

Best 50 blooms, scarlet—Poehlmann Bros. Co., first, \$6; Chicago Carnation Co., second, \$4; A. C. Canfield, third, \$3.

Best 50 blooms, crimson—A. C. Canfield, first, \$6.

Best 50 blooms, variegated—No entries.

White Enchantress, 50 blooms—W. H. Gullett & Sons, Lincoln, first, \$6; Chicago Carnation Co., second, \$4; A. C. Brown, third, \$3.

Best four vases, 50 blooms each, each vase of distinct variety—Poehlmann Bros. Co., first, \$20; Chicago Carnation Co., second, \$16; Gullett & Sons, third, \$14.

Best 100 blooms, any color, any variety, seedlings admissible—Poehlmann Bros. Co., first, \$20; Chicago Carnation Co., second, \$15; A. C. Brown, third, \$10.

ARTISTIC DESIGNS.

Class One.

Standing cross, four feet from bottom of vase up—Gullett & Sons, first, \$22; Cottage Greenhouses, Litchfield, second, \$18; Geo. M. Brinkerhoff, third, \$16; A. T. Hey, fourth, \$14.

Wreath of flowers on easel, 24 inches—Gullett & Sons, first, \$15; Geo. M. Brinkerhoff, second, \$12; Geo. A. Kuhl, Pekin, third, \$10; Cottage Greenhouses, fourth, \$8.

Best floral arrangement, set piece—Gullett & Sons, first, \$45; Geo. A. Kuhl, second, \$40; Cottage Greenhouses, third, \$35; A. T. Hey, fourth, \$30.

ARTISTIC DESIGNS.

Class Two.

Basket o. arysanthemums—Gullett & Sons, first, \$14; Cottage Greenhouses, second, \$12; Geo. A. Kuhl, third, \$10; A. T. Hey, fourth, \$8.

Basket of cut flowers—Wirth & Gaupp, Springfield, first, \$12; Gullett & Sons, second, \$10; Geo. M. Brinkerhoff, third, \$8; A. T. Hey, fourth, \$7.

Bouquet of roses—Wirth & Gaupp, first, \$7; Geo. A. Kuhl, second, \$5; A. T. Hey, third, \$4; Janssen Seed & Floral Co., fourth, \$3.

Bouquet of various flowers—Wirth & Gaupp, first, \$7; Geo. A. Kuhl, second, \$5; Geo. M. Brinkerhoff, third, \$4; Janssen Seed & Floral Co., fourth, \$3.

Flat bouquet or spray of roses—Gullett & Sons, first, \$18; Geo. A. Kuhl, second, \$14; Geo. M. Brinkerhoff, third, \$10; A. T. Hey, fourth, \$8.

Flat bouquet or spray of carnations—Geo. M. Brinkerhoff, first, \$15; Gullett & Sons, second, \$11; Geo. A. Kuhl, third, \$8; Wirth & Gaupp, fourth, \$7.

Bridal bouquet—Gullett & Sons, first, \$18; Geo. A. Kuhl, second, \$14; A. T. Hey, third, \$10; Janssen Seed & Floral Co., fourth, \$8.

Corsage bouquet and usual accessories—Gullett & Sons, first, \$14; Geo. A. Kuhl, second, \$12; A. T. Hey, third, \$10; Janssen Seed & Floral Co., fourth, \$8.

WEDNESDAY'S AWARDS.

Roses—Class 2.

American Beauties, 25 flowers—Poehlmann Bros. Co., first, \$20; A. C. Canfield, second, \$15; Janssen Seed & Floral Co., third, \$12.

Richmond, 25 flowers—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4; Janssen Seed & Floral Co., third, \$3.

Mrs. Jardine, 25 flowers—Janssen Seed & Floral Co., first, \$6; A. C. Canfield, second, \$4.

Brides, 25 flowers—Janssen Seed & Floral Co., first, \$6.

Killarney, pink, 25 flowers—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4; Janssen Seed & Floral Co., third, \$3.

Killarney, white, 25 flowers—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4; Janssen Seed & Floral Co., third, \$3.

My Maryland, 25 flowers—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4; Janssen Seed & Floral Co., third, \$3.

Any other variety, 25 flowers—Poehlmann Bros. Co., first, \$6; A. C. Canfield, second, \$4; Janssen Seed & Floral Co., third, \$3.

Roses—Class 3.

American Beauties, 20 flowers—Poehlmann Bros. Co., first, \$15; A. C. Canfield, second, \$9; Janssen Seed & Floral Co., third, \$8.

Richmond, 20 flowers—Poehlmann Bros. Co., first, \$5; A. C. Canfield, second, \$2; Janssen Seed & Floral Co., third, \$1.

Mrs. Jardine, 20 flowers—Janssen Seed & Floral Co., first, \$5; A. C. Canfield, second, \$2.

Brides, 20 flowers—Janssen Seed & Floral Co., first, \$5.

Killarney roses, pink, 20 flowers—Poehlmann Bros. Co., first, \$5; Janssen Seed & Floral Co., second, \$2.

Killarney, white, 20 flowers—Poehlmann Bros. Co., first, \$5; A. C. Canfield, second, \$2; Janssen Seed & Floral Co., third, \$1.

My Maryland, 20 flowers—Poehlmann Bros. Co., first, \$5; A. C. Canfield, second, \$2; Janssen Seed & Floral Co., third, \$1.

Any other variety, 20 flowers—Poehlmann Bros. Co., first, \$5; A. C. Canfield, second, \$2; Janssen Seed & Floral Co., third, \$1.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	681
—Dahlia.....	681
—Gladia.....	681
—Callas.....	681
—Mignonette.....	681
—Cleaning up after frost.....	682
The retail trade.....	682
—The new idea in retailing.....	682
—H. C. Neun's exhibit at state fair (illus.).....	682
McKinley tomb and Westlawn Cemetery (illus.).....	683
A beautiful estate (illus.).....	684
Imported azaleas.....	684
The rose.....	685
—Night firing.....	685
Chrysanthemums.....	685
—Temperature and ventilation.....	686
—Early selected buds.....	687
Montana florists and nurserymen.....	687
Dahlia show at Vincent farm.....	688
Boehm wedding anniversary.....	688
—C. O. E. Boehm (portrait).....	688
Stiles-Jervey wedding.....	688
Illinois state fair awards.....	688
Chrysanthemum Society of America.....	690
Examination for Rhodes scholarship.....	690
Boston.....	690
Washington.....	691
Chicago.....	694
Salt Lake City.....	698
Chicago bowling.....	698
Cincinnati.....	699
Cleveland.....	700
St. Louis.....	700
Davenport, Ia.....	701
Pittsburg notes.....	701
Philadelphia.....	702
New York.....	704
Rochester, N. Y.....	704
Dennison's New York store.....	704
Philadelphia notes.....	706
The seed trade.....	712
—Maule's record of progress.....	712
—Wm. H. Maule (portrait).....	712
Market gardeners.....	716
—Prices of indoor fruits and vegetables.....	716
—Celery blight.....	716
The nursery trade.....	718
—American apples in Germany.....	718
—Fruit growing in Australia.....	718

RENEW subscriptions promptly so that no copies of the papers may be missed.

"GREENHOUSE CONSTRUCTION."—Prof. L. R. Taft's book on this subject is the best to date, price \$1.50.

LAWRENCE COTTER, the well known manager of the Lakeview Rose Gardens, Jamestown, N. Y., in a recent letter says: "I came away from Chicago greatly impressed with its vastness and, of course, I am deeply grateful to all the fraternity in your great city for their unbounded hospitality during the convention.

Europe Wants Our Insecticides.

A business firm in a European country has written to the Bureau of Manufactures that it is desirous of getting in touch with a manufacturer in the United States of a liquid to be sprayed on plants or bushes to kill the insects that abound on such shrubbery. Manufacturers are requested to communicate direct with this firm, giving prices, etc., f. o. b. New York, and cash payments through the New York agents of the inquirers upon delivery of shipping documents.—Daily Consular and Trade Reports.

Examination for Rhodes Scholarship.

President Edmund J. James of the University of Illinois, chairman of the Rhodes Scholarship Committee of Illinois, announces that a qualifying examination for all candidates for the Oxford Rhodes scholarship will be held Tuesday, October 15, and Wednesday, October 16, 1912, in the office of President A. W. Harris at the Northwestern University building, corner of Lake and Dearborn streets, Chicago. This examination corresponds to the entrance examinations required by many American colleges. From those candidates who pass this examination a scholar will be selected for Illinois, who will begin work at Oxford in October, 1913. Papers will be set in this examination in Latin, Greek and Mathematics, and only those candidates who pass in at least Latin and Mathematics will be eligible for a scholarship.

A Rhodes scholar is appointed for a period of three years and receives the sum of fifteen hundred dollars each year. A Rhodes scholarship at Oxford is therefore a prize of greater money value than any scholarship or fellowship at any American university. The candidate for a Rhodes scholarship must be an unmarried male citizen of the United States with at least five years' domicile; must by the first of October, 1913, have passed his nineteenth but not his twenty-fifth birthday; and must have completed at least his sophomore year at some recognized degree-granting university or college. In accordance with the wishes of Cecil Rhodes, the committee of selection, in selecting a student for appointment to a scholarship, takes into consideration, (1) his literary and scholastic attainments; (2) his fondness for and success in manly outdoor sports, such as football and the like; (3) his qualities of manhood—truth, courage, devotion to duty, sympathy for and protection of the weak, kindness, unselfishness and fellowship; and (4) his exhibition during school days of moral force of character and instincts to lead and to take an interest in his schoolmates. Candidates are expected to send written application at once to President Edmund J. James, Urbana, Illinois. All candidates will register in person between eight and ten p. m. Monday, October 14, at the place of examination. The examination will begin at ten a. m., Tuesday, October 15.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship

flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 12, 19, 26 and November 2, 9, 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Foliage.....	15
Form.....	15	Substance.....	15
Fullness.....	10	Size.....	10
Stem.....	15	Total.....	100
Exhibition.			
Color.....	15	Form.....	15
Stem.....	5	Depth.....	15
Foliage.....	5	Size.....	30
Fullness.....	15	Total.....	100
Single Varieties.			
Color.....	40	Stem and Foliage.....	20
Form.....	20	Substance.....	20
Substance.....	20	Total.....	100
Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20	Stem and Foliage.....	20
Stem and Foliage.....	20	Total.....	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.

Morgan Park, Ill.

Boston.

FLOWERS IMPROVED.

There is an improvement in all lines of flowers. Roses are decidedly better, especially Richmond. The hot weather of the past few days has brought in the crops quicker but the market seems to be able to handle them and at fair prices. Polly Rose and Pacific chrysanthemums have made their appearance. They are somewhat earlier than usual. Carnations are improving.

NOTES.

Coal of all kinds has advanced in price. In one outside town the price is \$10 per ton for hard coal.

There are some who would like a ruling as to what constitutes a farmer. If he grows asters in the summer is he a florist? If he grows violets in the winter is he a farmer? If the florist grows vegetables on his land and keeps a horse and cow, is he in the farmer class? The new liability (Massachusetts) law exempts the farmer, and a good many florists would like to know what a farmer is.

We noticed some Sunburst roses in a florist's window. By the looks of them C. H. Totty will have to come to Boston and give a few points on how to do it. Sunbursts exhibited by him at the Massachusetts Spring Show, with the exception of weak necks, were fine.

A rosarian remarked to me the other day that we will soon be in the carnation class. He meant that there were so many new varieties coming out that it was hard to know what to stock up with.

It might be a good thing to know what the fashion in colors was to be a year ahead.

Welch Bros. have set the pace again. They have sold their two horses and wagons and installed an up-to-date

delivery wagon, built to stand the wear and tear of Boston streets. Figuring the cost and maintenance of the horses and the limited radius covered by them, the auto has poor Dobbin beaten.

Wax Bros. had a very nice show of named dahlias in their window which attracted considerable attention.

MAC.

Washington.

Geo. D. Cooke, Z. D. Blackstone and W. F. Gude were appointed members of the publicity committee upon the recommendation of the New York Florists' Club. One of the members will be designated to represent the club at the meeting of the general committee.

At the last meeting of the Washington Florists' Club a handsome engraved set of resolutions on the death of William Robertson Smith was received from the Baltimore Florists' Club.

O. A. C. Oehmler, late with Gude Bros. Co., announces the opening of his new store at 1329 G street N. W.

David Bisset, Garrett Park, Md., is sending in some very good single violets for this time of the year.

L. Grainer & Bros. have some of the finest cosmos seen this year and report a ready sale for all.

The club bowling team has entered the District League, which is one of the fastest here.

Wm. McKissick and Geo. H. Cooke are up the river enjoying a few days' fishing.

Visitor: Wm. Craig of Philadelphia, Pa.

BOWLING SCORES.

Shaffer	169	125	236
McLenman	185	199	175
Esch	133	200	141
Simmonds	171	189	198
Dalglisch	140	163	154

G. C. D.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 696, care American Florist.

Situation Wanted—Plant grower and propagator; has had experience with all lines of commercial greenhouse stock, including lilies and other bulbous plants; single. Key 701, care American Florist.

Situation Wanted—As salesman in an up-to-date flower store, by a young man of 24, where there is a chance for advancement. Experienced. Can furnish references for efficiency, honesty and good behavior, and a willing worker. State wages. Address, Key 693, care American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture. Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, American Florist.

Help Wanted—A first-class store man and decorator for position in Cleveland, Ohio. State experience and wages expected in first letter. Address, Key 710, care American Florist.

Help Wanted—A man who can grow shrubs, roses, etc., and manage greenhouse. Married man preferred. Moderate salary at first with chance of promotion. Give full particulars and salary wanted. PARKER BROS. NURSERY CO., Fayetteville, Ark.

Help Wanted—An experienced gardener, married small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

Help Wanted—Experienced grower, as working foreman to take charge of eighteen thousand feet of glass; Western New York. Must be successful rose grower, and be ready to come not later than Nov. 1, 1912. State wages desired in reply. Address, Key 714, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Good-paying retail store on south side of Chicago; liberal inducements to the right party; a bargain; write quick; good reasons for selling. Key 712, care American Florist.

For Sale—Floral Store, in the best location in Avondale, Cincinnati's wealthy suburb. Reason for selling: ill health. M. SHANAHAN & Co., 3525 Reading Road, Avondale, Cincinnati, Ohio.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

SITUATION WANTED.

High Class Storeman and Designer is open to engagement. Age 35, married. Address, Key 713, care American Florist.

Position Wanted.

Seedsman, 26 years old, nine years experience in inside and road work. Will be open for position Sept. 20th, 1912. Best of references.

W. H. HUFFMAN,
Highland Park, Richmond, Va.

WANTED

Good saleslady for a retail store in Chicago. One experienced in design work preferred. Good wages to the right party.

Key 699, American Florist.

Agency Wanted

To represent some Eastern Seed House on this coast by an up-to-date seedsman. Write,

A. MANN, 2041 Pine St.,
SAN FRANCISCO, CAL.

TO DRUM UP BUSINESS.

Advertiser has opening for hustling young man who can make good selling to florists. Salary and commission. Send full particulars in first letter to

Key 705, care American Florist.

Salesman Wanted And Assistant Decorator.

Must also have a slight knowledge of buying; must be willing worker, and furnish highest references. Moderate salary to start; splendid opportunity in the future for the right party. Address, Key 709, care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Iwend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of Sprengerii, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences and one five-room cottage in good condition, big packing shed, cellar and barn, 2 artesian wells wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Dennison

DISTINCTIVE TAGS

FOR THE HOLIDAY SEASON

Help to make the Christmas Boxes of Flowers more attractive

The tag is the business card of the florist on the box.

It must represent him in Quality.

Dennison Florist Tag Designs this season are particularly handsome.

Write for samples and allow the Dennison Department of Design to submit a sketch carrying out your ideas of a distinctive florist tag.

Dennison Manufacturing Company

THE TAG MAKERS

Works at Framingham, Mass.

STORES

BOSTON

26 Franklin Street

NEW YORK

15 John Street

NEW YORK

15 West 27th Street

PHILADELPHIA

1007 Chestnut Street

CHICAGO

62 E. Randolph Street

ST. LOUIS

905 Locust Street

SALES OFFICES

Albany, N. Y.

Atlanta, Ga.

Baltimore, Md.

Buffalo, N. Y.

Cincinnati, O.

Cleveland, O.

Dallas, Texas

Denver, Colo.

Detroit, Mich.

Indianapolis, Ind.

Kansas City, Mo.

Los Angeles, Cal.

Louisville, Ky.

Milwaukee, Wis.

Newark, N. J.

New Orleans, La.

Omaha, Neb.

Pittsburg, Pa.

Portland, Ore.

Providence, R. I.

Richmond, Va.

St. Paul, Minn.

San Francisco, Cal.

Seattle, Wash.

Toronto, Ont.



ONCE MORE

The Cut Flowers of
Poehlmann Bros. Co.

SWEPT THE DECK

At the State Fair at Springfield, Ill.

17 Firsts—1 Second—1 Third—19 Prize Winners

The high quality of every one of our exhibits was remarked by all the trade visitors. It proved that the Poehlmann Bros. Co. not only has held the pre-eminent position won at the previous exhibitions, but has this season surpassed itself in the quality of the stock and beaten its own best record. We can supply the exhibition grade of stock to all who order it, and shall cut heavily of all lengths of stem for fall.

Send Us Your Orders and You Will Be Handling

THE BEST CUT FLOWERS IN AMERICA.

Clean Sweep in Roses

Eight Entries---Eight First Prizes.

At the Illinois State Fair held at Springfield this week we were
awarded premiums in Class 1 as follows:

First on 50 Beauties.

First on 25 Beauties.

First on 50 Richmond.

First on 50 Killarney.

First on 50 White Killarney.

First on New Variety Rose, last
season's introduction.

First on 50 My Maryland.

First on Best Six Varieties,

25 blooms each.

CARNATIONS

First—Best 50 Blooms, Flesh Pink.

First—Best 50 Blooms, Light Pink.

First—Best 50 Blooms, Dark Pink.

First—Best 50 Blooms, Scarlet.

First—Best Four Vases,

50 blooms each.

First—Best 100 Blooms, any color.

Second on 50 Blooms, white.

Also FIRSTS on Lily of the Valley, Best Display of Cut Orchids, Best Collection of Chrysanthemums, 50 blooms, and Best Display of Six Orchid Plants in flower. Other Cut Flower awards yet to be made.

Poehlmann Bros. Co.

72-74 E. Randolph St.,

Long Distance Phone,
Randolph 35.

Chicago, Ill.

Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice Large White, Yellow and Pink medium \$2.50 per doz.; large \$2.50 to \$3.00 per dozen.

Good, Fresh, Short Stem Roses, our selection in lots of 500 or more, at the rate of \$20.00 per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$4 00
36-inch	3 00
24 to 30-inch	\$2 00 to 2 50
18-inch	1 50
12-inch	1 00

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 per 100
Extra long select.....	8 00 per 100
Good length.....	6 00 per 100
Medium length	\$4 00 to 5 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Good.....	\$3 00
Medium.....	2 50
Short	2 00

FINE EASTER LILIES.....per doz., \$1 50

Lily of the Valley

Smilax.....per doz., \$1 75 to \$2 00

Asparagus Sprays.....2 00 to 4 00

Sprenger.....2 00 to 3 00

Adiantum

Leucothoe Sprays.....0 75

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns.....per 1000, 2 00

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457.

Chicago.

LOCAL TRADE IMPROVING.

City trade was very good the past week and the out-of-town demand for stock was also very brisk. Stock is none too plentiful and orchids are about the only flowers that one may call plentiful. Cattleyas, oncidiums, dendrobiums, vandas and odontoglossums furnish a great variety, but the market seems to be a little firmer than it was last week and prices are likely to advance. Gardenias are very scarce and gladioli are about over. Violets are improving rapidly and some very good flowers are offered. The outside stock is rapidly getting past, daisies and tritomas being the principal flowers of this class now on sale. American Beauty roses are arriving in fine shape and the supply is about equal to the demand. Killarneys are more plentiful and the same can also be said of White Killarney, but the latter are still very scarce. Brides move quickly and Richmonds are having a better call than last week. Mrs. Aaron Ward and Sunburst are not so plentiful and Prince de Bulgarie is in fine shape. The receipts of chrysanthemums are large, but the demand is so good that the market is cleaned up at an early hour. Carnations have had a large call and prices hold firm. Some fine boxwood is now obtainable and smilax of good quality is seen. All the wholesale men report collections as poor and do not understand why this is, for it is the general opinion that the retail florists have had a good year.

NOTES.

N. J. Wiator says that Wiator Bros.' fall business is running away ahead of last year and that the prospects are very bright for it continuing so. His firm is now cutting a large

supply of carnations and roses, particularly choice American Beauties. Mr. Wiator will celebrate his fortieth birthday on October 24.

The Cook County Florists' Association will hold a supper at the Tavern, West Washington street, on October 10, and all members of the trade are cordially invited to attend. Tickets are \$1 a plate.

The Woodlawn Floral Shop on East Sixty-third street is featuring a series of interesting window displays and the rustic scene this week is supposed to represent the Sullivan Bros.' home down state.

Miss L. Tonner, formerly with the A. L. Randall Co., and her mother will leave soon for Georgia and Florida on business connected with her pecan grove in the latter state.

Fred Lautenschlager says that Kroeschell Bros. Co. is having an unusually busy October and that telegraph orders for boilers are receiving prompt attention.

The United Fertilizer Co. has moved its factory and warehouses to Morton Grove, where August Poehlmann, president of the company, will assume charge.

"Sprinkleproof Sam," representing Wertheimer Brothers, New York, arrived this week and as usual brought another shower with him.

The next meeting of the Chicago Florists' Club will be held at the Union Restaurant, West Randolph street, October 10.

Adam Zender attended the Vanderbilt cup races at Milwaukee last week and reports having had a most enjoyable time.

The Des Plaines Floral Co. is growing violets this year in addition to carnations, chrysanthemums and greens.

Ed. Holland, formerly with the Park

PERCY

Wholesalers of

CUT FLOWERS and
FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Floral Co., of Denver, Colo., is now employed at Bassett & Washburn's store.

John C. Enders, of the Poehlmann Bros. Co.'s supply department, was operated upon at a local hospital this week.

Frank Oechslein reports a good demand for decorative plants and a great improvement in the shipping trade.

Geo. Stiles and wife have returned to their home in Oklahoma City, Okla., after an enjoyable visit here.

Frank J. Farney, representing M. Rice & Co., of Philadelphia, Pa., called on the trade here this week.

C. F. McCormick has accepted a position as traveling salesman with the A. L. Randall Co.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

'MUMS. SINGLE VIOLETS. 'MUMS.
CATTLEYAS and WHITE ORCHIDS.
EXTRA FINE LILY OF THE VALLEY.

We can supply all you will need regularly from now on.

CARNATIONS.

We are now supplying first grade. Medium stems. Good flowers.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.	Per Doz.	LADY HILLINGDON.	Per 100	CARNATIONS	Per 100
Specials.....	\$3.00	Long.....	\$ 8.00	VIOLETS, Princess of Wales.....	\$2.00 to \$3.00
30 to 36-inch.....	2.50	Medium.....	6.00	ORCHIDS, White Dendrobium, doz.	\$5.00
24 inch.....	2.00	Short.....	4.00	CATTLEYAS.....	per doz., 6.00
18 to 20-inch.....	1.50	RICHMOND.		EASTER LILIES.....	12.00
Short stem.....	per 100, \$4.00 to \$5.00	Fancy.....	8.00	VALLEY.....	\$3.00 to 4.00
PRINCE DE BULGARIE, Antoine Rivoire or		Medium.....	6.00	ADIANTHUM CROWEANUM.....	1.00
Mrs. Taft.....	Per 100	Good short.....	4.00	MEXICAN IVY.....	per 1000, \$5.00
Long.....	\$ 8.00	KILLARNEY.		SMILAX.....	16.00
Medium.....	6.00	Long.....	8.00	SPRENGER, PLUMOSUS SPRAYS	3.00 to 4.00
Short.....	4.00	Medium.....	6.00	PLUMOSUS STRINGS, extra long and	
MELODY, long.....	8.00 to 10.00	Good short.....	4.00	heavy.....	each, .50 to .60
Medium.....	6.00	WHITE KILLARNEY.		FERNS.....	per 1,000, 1.0
Short.....	4.00	Long.....	8.00	GALAX.....	per 1,000, 1.25
MRS. AARON WARD.		Medium.....	6.00	LEUCOHOE.....	per 100, .75
Fancy long.....	8.00	Good short.....	4.00		
Medium.....	6.00	CHRYSANthemUMS, White, Yellow			
Short.....	4.00	and Pink.....	per doz., \$2.00, \$3.00 and \$4.00		
Extra special Roses, charge accordingly.					

Prize Carnations

BIG WINNINGS

—AT THE ILLINOIS—
STATE FAIR

Seven Entries--Seven Prizes
HOT COMPETITION.

Chicago Carnation Co.,
JOLIET, ... ILLINOIS.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60-inch stems.....\$3.00	24-inch stems.....\$1.25
48-inch stems.....2 50	20-inch stems.....1.00
36-inch stems.....2.00	15-inch stems......75
30-inch stems.....1.50	Short Stems......50

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.....\$6.00
Good, 15.....4.00
Short.....3.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Fancy.....\$7.00
Good.....6.00
Short.....4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$3.00
Fancy.....2.50
Good.....1.50

HARRISII.....10.00 to 12.50

FERNS, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX. per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The J. A. Budlong store force, consisting of Manager Schupp, Wm. Homberg, Fred Price and Bert Phillips, rolled for honors at Bensinger's West Randolph street bowling alleys last Friday, October 4. The young men had a good time and some very interesting games were played and high scores made. The next Budlong night at Bensinger's alleys will be Friday, October 11.

Chas. L. Washburn says that the Fehr Construction Co. of this city has finished the work on Bassett & Washburn's concrete chimney at their new range at Gregg's station. The chimney has a double wall and is 142 feet high. The last house is now nearly completed and 102,000 carnation plants have already been planted in their new range.

H. Van Gelder was confined the past week with a light touch of typhoid fever and was also operated upon and an abscess removed from his throat. He was down to the Percy Jones establishment on Monday and when he weighed himself he found that he had lost 25 pounds in the short period that he had been sick.

August Jurgens left on October 6 for Calumet, Mich., to look after the planting of the peony plants on the new Jurgens-Pieser farm in the copper country. E. E. Pieser says that he and Mr. Jurgens will also grow lilacs up there as an experiment and that an order for 2,500 has already been placed.

The S. Wilks Manufacturing Co. is having a very busy season and the proprietors say that the demand for greenhouse boilers has shown a wonderful increase during the past month. This firm always carries a large number of boilers in stock so that it can fill all orders promptly on short notice.

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, SMILAX, FERNS and OTHER GREENS are furnished at short notice.

—SEND US A TRIAL ORDER.—

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

The Chicago Flower Growers' Association had its first shipment of home-grown violets on October 5 and its first sweet peas two days later. J. F. Kidwell says that this firm has sold some of its best carnations for as high as 4 cents and that the buyer was glad to get them at this figure.

The J. B. Deamud Co.'s store was repainted this week and now presents a most inviting appearance. A large shipment of Mrs. Francis King and Augusta gladioli arrived at this establishment October 8 and were very good considering the lateness of the season.

John Sinner is still in charge at the Sinner Bros. greenhouses. When seen at the store this week he said that the crops are looking fine and promise large cuts. Miss M. C. Gunterberg is managing the East Randolph street store during his absence.

Erne & Klingel are enjoying a good trade and are making good in the wholesale business. Several new carnation growers have been recently

added to their list and they are now showing a full line of miscellaneous stock.

Tim Matchen says that Richmond roses are now moving better at Peter Reinberg's store, and that many of his firm's customers are using them in place of short and medium-stemmed American Beauties.

A. L. Vaughan says that Sunday, October 6, was a big day at the A. L. Vaughan & Co.'s store. Both the local and shipping trade were exceptionally brisk. Boxwood is having a good call at this place.

Miss Olga Tonner who is now conducting the H. V. Tonner store, will change the firm's name to her own in the very near future.

Henry Wittbold had a large job at the stock yards this week when he decorated the pavilion for the street railway convention.

George Manos, the Union Depot Florist, is again on duty after a long vacation in Michigan and some of the eastern states.

RICHMOND, BEAUTIES

Killarney, White Killarney, My Maryland, Ward and Sunrise Roses. Supreme Quality Stock in Quantities Equal to the Demand. Order Now.

CURRENT PRICE LIST.

AMERICAN BEAUTIES

	Per doz.
Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties.....	50

Richmond.....	Select.....	\$8 00
Killarney.....	Medium.....	\$5 00 to 6 00
White Killarney.....	Short.....	4 00
My Maryland.....		

Mrs. Aaron Ward {	Select.....	\$8 00
	Medium.....	6 00
	Short.....	\$4 00 to 5 00
Sunrise..... {	Select.....	\$6 00
	Medium.....	5 00
	Short.....	4 00
Roses, our selection.....		3 00
Carnations.....		\$2 00 to 2 50
Chrysanthemums.....	per dozen.....	2 00 to 3 00
Harrisii.....	per dozen.....	1 50 to 2 00
Valley.....		3 00 to 4 00
Adiantum.....		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000.....		1 50 to 2 00

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street,

CHICAGO.

ROSES!

Bountiful supply of Killarney, White Killarney, Richmond, Aaron Ward, Taft, Sunburst and American Beauties.

CARNATIONS.

All leading varieties in red, white and pink.

' MUMS

Large showy white, pink and yellow exhibition blooms.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 E. RANDOLPH ST.,

L. D. Phone Randolph 6758.

CHICAGO

CURRENT PRICE LIST

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES.	Per doz.
Extra long.....	\$3 00
36-inch.....	2 50
24-inch.....	2 00
18-inch.....	1 50
12-inch, \$1.00 per 100; Short \$4.00 to \$6.00.	

ROSES: MY MARYLAND, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, KAISERIN. Per 100

Extra long select.....	\$8 00
Good length.....	6 00
Medium length.....	\$4 00 to 5 00
Short.....	3 00

CARNATIONS.	Per 100
Fancy.....	\$3 00
Medium.....	2 50
Short.....	2 00

CHRYSANTEMUMS. per doz., \$2 00 to \$3 00.	
FINE EASTER LILIES..... per doz., \$1 50	12 00
Lily of the Valley.....	3 00 to 4 00
Smilax..... per doz., \$1 75 to	2 00
Asparagus Sprays.....	2 00 to 4 00
Sprenger.....	2 00 to 3 00
Adiantum.....	1 00 to 1 50
Leucothoe Sprays.....	75
Galax—Bronze and Green..... per 1000,	\$1 00
New Ferns..... per 1000,	1 50

Mrs. A. Kindler of the Raedlein Basket Co. says that all the orders which her firm booked at the last S. A. F. convention have been filled and that new orders are constantly arriving.

Chas. W. McKellar reports a brisk demand with the opening of the week for stock, principally orchids, for exhibition purposes at the state fair at Springfield.

The E. F. Winterson Co. had the first Rosiere chrysanthemums of the season on October 5.

H. E. Klunder has severed his connection with the Bohannon Floral Co.

THE HOME OF BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"



OUR MOTTO:

HONEST DEALINGS

GOOD VALUES

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money**.

We **grow our own stock**, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit**.

We are cutting heavily in **Roses, Valley and Carnations** and as such are **well supplied to take care of your wants**. Our **Carnations** are without exception the **best** in our market for so early in the season.

J. A. BUDLONG,

82-86 E. RANDOLPH STREET, CHICAGO.

Poehlmann Bros. Co. took 19 prizes at the state fair at Springfield this week when it won 8 first prizes in roses, 6 firsts and one second prizes on carnations, first prize on lily of the valley, first prize on the best collection of chrysanthemums, first prize on the best display of cut orchids and also first prize on the best display of six orchid plants in flower. This firm was also awarded several other prizes on Wednesday, which will be found elsewhere in this issue.

T. E. Waters of the Poehlmann Bros. Co.'s supply department, and Sprinkle-proof Samuel Seligman visited Ove Gnat's factory in Hammond, Ind., last Sunday, October 6, upon invitation of the proprietor, and were very favorably impressed with their inspection and the royal treatment that they received.

The Chicago Carnation Co. was very successful with its carnation exhibits at the state fair at Springfield this week and succeeded in carrying off a prize in every entry that it made. Peter Olsem had charge of his firm's exhibits and took great pleasure in "bringing home the bacon."

Miss K. N. Cooper, owner of the Auburndale Goldfish Co., says that her firm is receiving more orders than fish these days but that it will only be a few days more before another shipment from her own ponds will arrive and then all orders will be filled promptly.

S. J. Pearce and Aug. Jurgens are reported to have sold their greenhouse properties to railroad interests at good figures.

Visitors: Frank J. Farney, representing M. Rice & Co., Philadelphia; J. Bauscher, Freeport; George Thompson, representing Northrup, King & Co., Minneapolis, Minn.; J. A. Peterson and Alfred Förder, Cincinnati, O.

Salt Lake City.

BUSINESS ON INCREASE.

An increase in the cut flower business is noticeable in the last few days, due probably to the enormous crowd of people attending the state fair, the irrigation congress and the Mormon conference. The only cut flowers equal to the demand is roses. Enough carnations cannot be secured at present. Great quantities of chrysanthemums are shipped in from California. They are of a good quality and sell well. The weather is ideal and all stock is in fine condition.

NOTES.

O. Lingreen of Bountiful has nearly completed his new addition and his prospects are good for the coming season.

A number of the leading florists of Utah met at Farmington, October 2, and organized a state publicity society.

The Miller Floral Co. has one of the finest stocks of roses ever seen in the state.

L.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

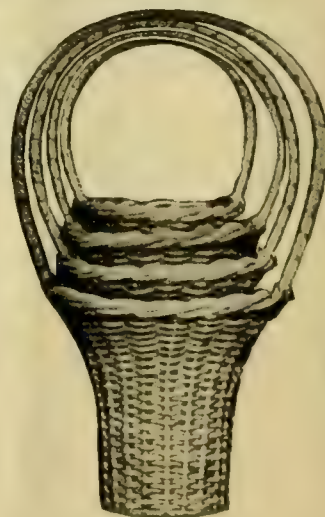
Team Standings.

Won Lost		Won Lost	
Roses	6 3	Violets	5 4
Orchids	5 4	Carnations ..	2 7

Individual and team scores for games played October 2:

Carnations.		Roses.	
Lorman ..	147 113 149	Goerlsch..	183 138 166
Lieb'm'n..	124 140 131	Vilster ...	112 111 92
Armstrong	121 140 115	Price	144 159 163
Brunko ..	137 110 119	Ryers ...	154 125 141
A. Zech..	194 177 182	Fischer ..	145 138 173
Totals..	723 600 696	Totals..	738 671 735
Violets.		Orchids.	
A. Hueb'r	162 154 147	Ross	152 167 125
Jacobs ..	167 137 127	Graft ...	172 180 186
Cole	128 130 123	Cohen ...	92 94 114
Schultz ..	147 176 127	George ..	131 143 138
J. Hueb'r	157 134 149	J. Zech..	151 182 164
Totals..	761 731 698	Totals..	698 766 725

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice President.

GEO. C. WEILAND, Sec'y

ANTON THEN, Treas

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS.

Chrysanthemums

Beauties

White Killarney

Lilies

Carnations and

Valley

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Asparagus Plumosus Sprays..per 100	4.00	3.00					
Asparagus Sprengeri Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

WITH PLENTY OF FLOWERS

and green goods galore. With competent help in both office and store, and a desire to serve all with this complete line of stock, we are here from seven until six o'clock.

A. L. VAUGHAN & CO.

(NOT INC.)

161 N. Wabash Ave.,

 PHONES { Central 2571-2572
Automatic 48-734

CHICAGO

Cincinnati.

WARM WEATHER INCREASES SUPPLY.

The warm weather last week caused a large increase in the supply of every kind of stock that came into the market. As the week neared the close the market eased up more and more every day. There is so far no glut of any flower but there is enough to easily go around. On Sunday the thermometer reached 80°. On Monday the market conditions were very different from the Monday previous. Then everything cleaned up quickly and more might easily have been used. This week, however, the opening day showed as large a demand as seven days previous but a very large supply of stock. As a result at the close of business in the evening there was considerable good stock left in the ice boxes. All varieties of roses are in

good supply and of good quality. The cut of Richmond and White Killarney is especially heavy. The supply of American Beauties is again adequate. There is a good call for valley this week for weddings. Along with this is also a good call for the various accessories in the decorative line and also for orchids. Carnations are selling nicely and clean up well each day. Lilies are in better supply than they were a fortnight ago and are adequate for all requests. Cosmos and dahlias are coming in very strong.

NOTES.

The wedding of Miss Florence Windram and Oliver Hitsch was celebrated last week. Upon the return from their honeymoon Mr. Hitsch will take charge of the Lake Shore Ferneries at Leesburg, Florida.

J. A. Peterson spent several days in

Louisville, Ky., last week calling on his trade. Mr. Peterson also had as his guest H. A. Barnard at his home in Westwood.

C. E. Critchell has increased his force by the addition of two young men. Mr. Critchell is now getting in new boxwood.

Ed. Schumann and Nick Weber on a recent fishing trip to Bantam, Ohio, took 43 pounds of bass out of the water.

Chas. Gurney, of Peter Weiland's, is again back at work. His father had improved greatly by the end of last week.

G. Brunner's Sons have two large wedding decorations.

Visitors: Wm. Gardner, New Castle, Ind.; Myer Heller, New Castle, Ind.; Geo. D. Leedle of the Leedle Rosery, Springfield, O.

H.

"The Busiest House in Chicago."

MUMS

Extra Large White and Yellow Blooms of the Finest Possible Quality.

ROSES, CARNATIONS, VIOLETS

And all other seasonable stock. We will have a regular supply of home grown single and double violets from now on and would suggest that you place a standing order with us. **WE WANT YOUR BUSINESS.**

Mrs. F. King — **GLADIOLI** — Augusta

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

— Send Your Orders for Seasonable Flowers to —

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Cleveland.

DEMAND VERY GOOD.

The demand is keeping up with the supply and in some cases it exceeds, as the outdoor stock is nearly done. Gladioli are getting scarce and shipments are irregular. Dahlias are not over plentiful. Carnations are off crop and orders are cut all around. White carnations and white roses are far short of the demand. Violets are coming in and will soon be a factor. Orchids are plentiful and the demand good. White and yellow chrysanthemums are arriving in increased quantities but clean up daily. Valley is still scarce. Easter lilies are away short of the demand. Greens of all kinds are plentiful. Aaron Ward roses are in good demand and the quality is exceptionally fine. A few Lady Hillingdons are on the market. This flower seems to meet with general approval.

NOTES.

Miss Kathleen O'Connor, who has her retail establishment at 2650 Superior avenue, will complete her first year in business the latter part of this month. She has done remarkably well and now has a good steady trade. She is thinking seriously of opening another store in the near future, which shows she has confidence and ambition, the two main requisites for a successful business man or woman.

The Smith & Fettes Co. is having a good run of funeral work in which orchids by the hundreds are being used. Their show window of orchids

and chrysanthemums draw immense crowds.

The Jones-Russell Co. had a church decoration for Saturday that required more than 500 chrysanthemums besides quantities of other flowers.

Gust H. Taepke and R. M. Rahaley of the Michigan Cut Flower Co., both of Detroit, were in Cleveland for a few days last week.

Ogden Gaul, formerly with the Cleveland Cut Flower Co., is now connected with A. M. Albrecht.

Knoble Bros. have been holding a fern sale the past week with good success.

The Cleveland Florists' Exchange has its new catalogue ready for mailing.
C. F. B.

St. Louis.

CHRYSANTHEMUMS HURT ROSE SALES.

The increased supply of chrysanthemums has somewhat decreased the prices on roses. Carnations are not by any means plentiful and prices on these are firm. Long-stem American Beauty roses are getting more plentiful. Violets are expected in another week. The Veiled Prophet ball on Tuesday, October 8, used up a few flowers. It is expected that by next week the season will have fairly opened up.

NOTES.

Kalisch & Bros. last week made a floral wreath with over 100 orchids and lily of the valley. They have a very handsome new Buffalo machine.

GOLDFISH

"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog.



AUBURNDALE GOLDFISH CO.

920 W. Randolph Street, CHICAGO.

They grow their own orchids and lily of the valley.

The E. G. Hill Co., Richmond, Ind., is shipping some extra fine stock in carnations, also some choice chrysanthemums. H. G. Berning handles these consignments.

Geo. H. Angermueller has some extra fine white chrysanthemums and orchids, also a full line of supplies and novelties.

H. G. Berning had some choice yellow and white chrysanthemums and a few short-stemmed California violets.

At the Wm. C. Smith Wholesale Floral Co. a fine supply of white and pink Killarney were seen.

C. A. Kuehn has a good supply of roses, carnations and American Beauties.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones } Randolph 4708—Office.
 } Rogers Park 227—Nursery.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mrs. Marguerite Eggeling is doing a
nice trade. Her newly built store is
very attractive and is well supplied
with all varieties of plants and all cut
flowers in season.

J. F. Ammann, of Edwardsville, Ill.,
was a visitor last week. He is a Bull
Moose of the fighting variety.

The Windler Wholesale Floral Co.
is rapidly filling up their stock in
florists' supplies and is receiving quite
a share of cut flowers.

Theodore Miller has opened up his
new store on Hamilton street and Del-
mar avenue, a very good location.

The Metropolitan Floral Co. has the
decorations at Forest Park Highlands
for the automobile display.

John Barnard was very busy with
funeral work during the past week.

W. F.

Davenport, Ia.

BUSINESS ON THE MEND.

Business is on the mend and the
past week was fairly good for this
time of year. A light frost has nipped
and spoiled most of the outdoor flow-
ers, and in consequence business is
now expected to improve right along.
Cool nights are improving carnations
and other indoor flowers. Roses are
fine for this time of year. Some good
chrysanthemums are in and improve
the appearance of the downtown stores
greatly.

Bulb planting is taking a good bit
of time at present, as is also repair
work on the roofs; taking cuttings is
also keeping everybody on the jump.

T. E.

Wholesale Flower Markets

	CHICAGO, Oct. 9.	Per doz.
Roses, Beauty, specials.....	3 00	
" " 36-in.....	2 50	
" " 30-in.....	2 00	
" " 24-in.....	1 50	
" " 15-20-in.....	1 25	
" " 12-in.....	75@ 1 00	
" " Short.....	4 00@ 8 00	
" Killarney.....	3 00@ 8 00	
" White Killarney.....	3 00@ 8 00	
" Richmond.....	3 00@ 8 00	
" Prince de Bulgarie.....	3 00@ 8 00	
" Radiance.....	3 00@ 8 00	
" Mrs. Aaron Ward.....	3 00@ 8 00	
" My Maryland.....	3 00@ 8 00	
" Melody.....	3 00@ 8 00	
" Mrs. Jardine.....	3 00@ 8 00	
" Kaiserin Augusta Victoria.....	3 00@ 8 00	
Carnations.....	2 00@ 3 00	
Cattleyas..... per doz., 6 00		
Chrysanthemums doz., 2 00@ 4 00		
Orchids Dendrobium, per doz., 5 00		
Daisies.....	75	
Gardenias.....	1 50@ 2 00	
Gladioli.....	1 50@ 4 00	
Valley.....	2 00@ 4 00	
Lilium Harrisii.....	12 50@ 15 00	
Violets, Princess of Wales.....	1 00	
Adiantum Croweanum.....	1 00	
Ferns..... per 1000.....	1 50	
Galax.....	1 25	
Leucothoe.....	75	
Plumous Strings..... each.....	50@ 60	
Smilax..... per doz., 1 50@ 2 00		
Sprenger, Plumous Sprays.....	3 00@ 4 00	

Pittsburg Notes.

Harvey Sheaff, manager for Mrs. E. A. Williams, has gone on an extended southern trip. He will visit the Panama Canal and the mountain resorts of Costa Rica and other points. He is an observant man and will doubtless gather much interesting information while away.

It is stated that Edward McCallum, who was hurt by being run down by an automobile some time ago, is rapidly improving.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of CUT FLOWERS

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses, Red, White and Pink Carna-
tions, Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.



Mention the American Florist when writing

C.C. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Philadelphia.

OCTOBER BRINGS INCREASED TRADE.

There has been a noted increase in the business since the advent of October. Much of this is due to the florists adding to their stock in the hope of larger sales and also to more elaborate window and store decorations. There have also been quite a number of weddings in which the decorations called for quality stock, the chrysanthemum being in demand for this work. The supply has been ample for all demands. Not a flower on the list could be called scarce, but nothing piled up to a dangerous extent. Dahlias, which have held the center of the stage for the past three weeks, are waning, a few cool days last week cutting down the supply considerably. The first call of Jack Frost is about due and many greenhouse growers are hoping that nothing will hinder his early appearance. The quality of the rose stock is steadily improving, greater length of stem, clearer foliage and more substance and color to the flowers of all varieties being quite noticeable. Among the newer sorts Mrs. Taft finds many admirers, its pretty shade of pink being a relief from the ever bright Killarney. Beauties are stiffening considerably in price, being a dollar a dozen higher for the first grade than they were a week ago. Carnations are meeting with better sale since the departure of the aster. Easter lilies are more plentiful. Gardenias are ahead of the demand, while valley finds a ready sale. The chrysanthemums are offered in quantity and for the next two months will dominate the market. Polly Rose, Glory of the Pacific, October Frost and Monrovia are the latest introductions. Prices are considered very fair

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Oct. 9.	Per 100
Roses, Beauty, extra.....	20 00@25 00
" first.....	8 00@12 00
" Brides and Maids.....	4 00@ 6 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Liberty.....	3 00@ 8 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., 1 50@2 00	
Dahlias.....	2 00@ 4 00
Gardenias..... per doz., 1 00@2 00	
Gladioli.....	2 00@ 4 00
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Asters.....	1 00@ 4 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 4 00
Sweet Peas.....	40@ 50
Water Lilies.....	2 00@ 4 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch, 50	
Smilax.....	15 00@20 00

PITTSBURG, Oct. 9.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, Oct. 9.	Per 100
Roses, Beauty, per doz., 75@2 50	
" Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@ 8 00
Carnations.....	1 50@ 3 00
Chrysanthemums, white and yellow..... per doz., 1 50@ 2 00	
Dahlias.....	2 00@ 3 00
Gladioli.....	2 00@ 3 00
Lilium Gigantum..... per doz., 1 75	
Lily of the Valley.....	3 00@ 4 00
Adiantum.....	1 50
Asparagus..... per string, 50	
Sprengeri, per bunch, 25@ 35	
Ferns, Fancy..... per 1000, 1 50	
Oak Sprays, prepared.....	1 00

for the season. Violets (single—no doubles yet) are small but very fine. They cannot safely be carried over night.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO

Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

MONTREAL FLORAL EXCHANGE, LTD.

Frank McKenna, Pres. Patrick Welch, Sec'y & Treas. Wm. Cotter, Mgr.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION

Home grown stock a specialty. Strictly wholesale; nothing sold at retail

Ample reference furnished as to standing and financial ability of the company.

123 Mansfield Street, - - - MONTREAL, P. Q

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

American Beauty, Valley, Carnations, Killarney, Richmond, Maryland, and other seasonable stock. :: :: ::

Wholesale Flower Markets

BUFFALO, Oct. 9.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
Maid and Bride.....	3 00@ 6 00
Pink Killarney.....	3 00@ 6 00
White Killarney.....	3 00@ 6 00
Richmond.....	3 00@ 8 00
My Maryland.....	3 00@ 6 00
Kaiserin.....	3 00@ 8 00
Carnot.....	3 00@ 7 00
Carnations.....	1 00@ 2 50
Chrysanthemums, white.....	8 00@15 00
" yellow.....	10 00@15 00
Dahlias.....	1 00@ 2 00
Gladioli.....	2 00@ 3 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Swainsona.....	50@ 1 00
Violets.....	50@ 60
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....per 1000.....	\$1 50
Galax.....per 1000.....	\$1 50
Smilax.....	15 00

BOSTON, Oct. 9.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	2 00@ 4 00
" " Bride, Bridesmaid.....	50@ 60
" " Extra.....	1 00@ 8 00
" " Killarney and Richmond.....	1 00@ 8 00
" " My Maryland.....	2 00@ 8 00
" " Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 3 00
Callas.....	8 00@12 00
Cattleyas.....	50 00@60 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	6 00@ 8 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	35@ 50
Smilax.....	12 00@16 00

CINCINNATI, Oct. 9.	Per doz.
Roses, Beauty.....	per doz., 50@ 3 00
" " Bride, Bridesmaid.....	2 00@ 8 00
" " Killarney.....	2 00@ 8 00
" " My Maryland.....	2 00@ 8 00
" " Perle.....	2 00@ 8 00
" " Richmond.....	2 00@ 8 00
" " Taft.....	2 00@ 8 00
Chrysanthemums.....	per doz., 2 00@ 3 00
Carnations.....	2 00@ 3 00
Lilium Gigantum.....	12 50
Lily of the Valley.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Plumosus.....	per bunch, 25
Asparagus Sprenger.....	per bunch, 25



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists, **BUFFALO, N. Y.** Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburgh, Pa.

St. Louis, Oct. 9.	Per 100.
Roses, Beauty, short stems.....	3 00@ 6 00
" " Killarney.....	2 00@ 4 00
" " My Maryland.....	3 00@ 5 00
" " White Killarney.....	2 00@ 6 00
Asters.....	1 00@ 2 50
Easter Lilies.....	12 50
Gladioli.....	3 00@ 4 00
Lilium Rubrum.....	5 00@ 6 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu.....	35@60
Ferns, New, Fancy.....	1 50

SHERIDAN, WYO.—The L. M. Best Flower Co. has increased its square feet of glass to 45,000 by the recent acquisition of the Sheridan Floral Co. and is now said to have the largest range in the state.

—THE— J. M. McCullough's Sons Co., Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

WHOLESALE TRADE BETTER.

General conditions were better in the wholesale market the past week. The supply has shortened up and the demand has been better. Top grades of all the varieties of roses have cleared out nicely. Some top grade "Sunburst" have touched the twenty-cent mark, and there has been a good demand for American Beauties, Bulgarie, Killarney and Mrs. Aaron Ward. White roses are still in short supply and the prices on these are somewhat better. Carnations are increasing in quantity daily and the quality is also improving. The best of these meet with ready sale. Orchids are not moving satisfactorily; the supply far exceeds the demand and when they are purchased in large quantities it is at a much reduced figure. Chrysanthemums, which are now in heavy supply, will soon affect prices on everything all along the line. As noted, last week's prices continue to be much less than they were a year ago. Lilies are more plentiful and while they are sold out daily the prices obtained are somewhat lower than a week ago. Lily of the valley is doing better, as are gardenias. There is a regular supply of violets arriving but as yet there is no active demand for them. There is the usual supply of tritomas, gladioli, hydrangeas, dahlias and asters, and there is more call for good asparagus plumosus.

Monday Noon, October 7.—Weather warm. Stock of all kinds is more plentiful. The quality is very good and there is a very active demand. Shipments of chrysanthemums are much heavier. This has been the busiest day of the season thus far. All the wholesalers are very much encouraged.

NOTES.

Charles Millang has found his side line of selling automobiles a very profitable one, the latest being a Maxwell car to John Meisein, the well-known grower of lilies, and a 1912 model E. M. F. car to "Tony" Sakeles of Twenty-fifth street. Tony is known as the colonial florist and handles more flowers than anyone else in Harlem. His purchases are now so heavy that it has become necessary to buy an automobile delivery car to transport them to his different stores.

Arthur T. Boddington, Harry A. Bunyard, Harry Turner, Charles H. Totty, John Young, James Duckham and wife and Mrs. A. Herrington composed the party that gave William Duckham and wife a great "send off" when they sailed for Europe Saturday on the Carmania.

C. C. Trepel, who has the flower departments at Loeser's, Bloomingdale's and Gimbel Bros., has just returned from an extensive trip among the plant growers. His orders in many places were placed for carload lots.

William Kessler, 113 West Twenty-eighth street, now has his conservatories well stocked up with palms and flowering plants and is handling some especially fine ferns which meet with a quick sale.

Arthur Cockcroft is sending in to Charles Millang a fine lot of Smith's Advance, October Frost and Monrovia chrysanthemums, also a good supply of white and pink Enchantress carnations.

P. J. Smith is receiving from 2,000 to 2,500 lilies daily of the best quality, and even with this large supply at times has not had enough to fill all of his orders.

Henshaw & Fenrich are receiving daily shipments of the Totty brand of chrysanthemums, including all early novelties grown at that establishment.

The father of Robert Jackson, employed by P. J. Smith, died on Sunday rather suddenly and the funeral was held on Thursday.

MILADY

Is Coming Out!

We shall disseminate in March the new red forcing Rose "MILADY." Look for it at the fall shows! We believe this variety means commercial, profitable red roses. It has color, size, substance fragrance and productiveness.

We invite you to visit our place and see it growing.

A. N. PIERSON, Inc.,
CROMWELL, CONN.

Traendly & Schenck will have a display of their new carnation "Salmon Queen" at the next meeting of the Florists' Club Monday night.

John P. Cleary is well satisfied with the sales of plants at the salesroom of the Plant & Flower Auction Co. on Twenty-eighth street.

A. E. Asmus of West Hoboken, N. J., is a candidate for mayor of that city on the democratic ticket.

Wm. A. Kessler is handling in addition to other plants a fine lot of chrysanthemums in pots.

"Caldy" Moltz has been engaged as the buyer for the H. M. Robinson Co.'s New York store.

Paul Meconi is receiving a grand lot of cattleyas, gardenias and lily of the valley.

Rochester, N. Y.

WEATHER CONDITIONS CHECK TRADE.

Cold nights and mornings, followed by either rain or a very warm day, have not at all improved business this week. Trade is very quiet and is much below the average. The wholesale houses are full up with all kinds of flowers. Violets have come again. Shipments of large yellow and white chrysanthemums arrive daily and are quickly sold. Easter lilies are also coming in good condition and are becoming very plentiful. Roses are in better shape now and sell well, especially the Ward and Mrs. Taft varieties. Lilies of the valley are somewhat scarce. Carnations are becoming more plentiful, but there are not enough yet to meet the demand. The few slight frosts have not been hard enough to hurt the asters nor gladioli. Short stemmed roses, heliotrope and asparagus arranged in baskets to sell at a dollar are popular, owing to the scarcity of blossoming plants.

NOTES.

Felix Alberts, manager and designer for Henry P. Neun, was very successful at the Syracuse Fair which was held recently. Out of nine entries he secured 8 first prizes and one third. His entries included among other things, two standing crosses, one of mixed flowers and the other of ivy leaves, with a spray of roses and Easter lilies at the base.

Arthur Zirkman, representing M. Rice & Co., called on the florists the early part of this week. He says his firm has been working nights to catch up with the heavy pressure of orders.

Edwin C. Armbrust, formerly with J. B. Kellar's Sons, has started in business as a florist at Northampton.

Mass. His Rochester friends wish him the best of success.

A meeting of the Rochester Florists' Association was held on October 4. It was agreed to hold the Flower Show at Convention Hall, November 5-9.

Miss Abbie Yahn and John Volmer of Buena Place were married last Tuesday. Mr. Volmer is in the employ of J. B. Kellar's Sons.

George T. Boucher reports business as very good just now. He has had a number of wedding orders recently.

George Crossman is away on a 10-day trip, visiting Boston, New York and Philadelphia.

H. E. Wilson had numerous pieces for a large funeral last week.

Visitors for the week include Robert Greenlaw of the S. S. Pennock-Meehan Co., Philadelphia, Pa.; Morris Cohen of Wertheimer Bros., New York; Snyder of the Edwards Folding Box Co., Philadelphia, Pa.; Wm. Baum, Lake Ribbon House, Philadelphia, Pa.; C. G. Ford, with A. Hermann, New York.

H. J. H.

Dennison's New York Store.

That all the world, surging up and down Fifth avenue, New York, may know who makes the attractive tags that people find on their boxes of flowers, potted plants and nearly every other article they receive, the Dennison Manufacturing Co. has rented a large store and basement at the corner of Fifth avenue and Twenty-sixth street, facing Madison Square, and will move their Twenty-seventh street establishment there about the middle of November. A glass door and large window occupy nearly the whole Fifth avenue side, while another entrance and five good-sized windows are on Twenty-sixth street, affording a most elaborate opportunity for display. The interior will be as attractive as the exterior. The very dark oak used in all Dennison stores will be employed for the woodwork, glass cases will hold extensive assortments of all styles of the multiple Dennison manufactures, while an art department in the rear will show what can be accomplished in the crepe paper art.

PASADENA, CALIF.—A floral basket contest for pupils of the public schools will be one of the features of the fall flower show of the Pasadena Horticultural Society October 24.

SAN FRANCISCO, CALIF.—The contract for the construction of the greenhouses for the Panama Pacific Exposition has been awarded to Nell A. McLean of this city.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Traendly & Schenck,**

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799.**Trade Directory**

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664
1665 } Madison Sq.

Consignments Solicited

N. Y. Cut Flower Exchangedg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue, NEW YORK**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,

Wholesale Commission Florist, LARGEST GROWERS

The Home of the Lily.

A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328. 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.**Shipping Labels**FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK Oct. 9.	Per 100
Roses, Beauty, special.....	10 00@25 00	
" extra and fancy ..	6 00@10 00	
" No. 1 and No. 2 ..	1 00@6 00	
" Bride, Bridesmaid.....	2 00@4 00	
" extra and fancy.....	50@2 00	
" No. 1 and No. 2.....	3 00@5 00	
" Killarney, My Maryland..	2 00@3 00	
" extra and fancy ..	50@1 00	
" No. 1 and No. 2 ..	50@1 00	
" Taft, Hillingdon, Aaron	50@6 00	
" Ward.....	50@4 00	
" Richmond.....	8 00@20 00	
" Sunburst, special.....	50@1 00	
Asters.....	50@2 00	
Carnations.....	25 00@50 00	
Cattleyas.....	8 00@15 00	
Gardenias.....	5 00@8 00	
Lilies, Longiflorum and Harrisii ..	2 00@3 00	
Lily of the Valley.....	15@50	
Adiantum Croweanum.....		

M. C. FORD

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
Shippers of121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square**Walter F. Sheridan**

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

31 & 133 West 28th St. NEW YORK.

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

1888

1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK

CONSIGNMENTS SOLICITED.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

Philadelphia Notes.

Pennock Bros. new Cadillac delivery car is finished. It is a departure in auto cars. In appearance it is like a high class limousine. Save for the copper signs on the sides, not overly conspicuous, it would be taken for a fine family car. In color it is a deep violet with lavender trimmings. It has fore doors, side doors and doors in the rear, is electrically lighted and has all the other appointments of a first class car. The body, which is of aluminum, was made especially to the firm's order. This makes car No. 2 for the company.

The Leo Niessen Co. recently broke its record for the largest quantity of dahlias handled in any one day. This firm has been averaging about 30,000 a day, but on account of several large orders the number rose to sixty thousand. Not many houses have the facilities for handling such a quantity, but although there was lots of business for other flowers everything was put out on time. This firm's first Polly Rose chrysanthemums arrived on Monday.

The Wm. H. Maule Seed Co. has purchased property at Twenty-first and Arch streets. A concrete warehouse and store room, 60x100 feet and nine stories high, is being erected. This will be one of the finest buildings of the kind in the city. The present store stands in the way of the Pennsylvania railroad and they expect to have to sell and vacate by the time the new building is finished.

The dahlia show of the H. Michell Co., held in the rear store room last week, was a great success. There was a fine display of blooms artistically arranged. Prizes were offered for which there was considerable competition. The lectures and exhibitions given by the firm the past year have been greatly appreciated by the public.

M. Rice & Co., the supply and ribbon house, pride themselves on service and tell of a recent case in which a large rush order was received at 4:30 p. m. and at 5:30 p. m. the same day the goods were on the way to their destination.

Jacob Becker, who owns the building, opened the store recently occupied by William Crawford at Fifty-second and Market streets, Friday October 4. Percy Uttermul, recently with M. J. Callahan, has charge.

The H. A. Dreer Co. has just added a three-ton Packard car to its delivery service, making two of this size, and a new autocar of one and a half ton capacity. Things are certainly booming at Riverton.

White and pink Killarney, very good flowers for the season, from their greenhouses at Morton are seen daily at the Philadelphia Cut Flower Co.'s establishment.

Asters are about over, but Edward Reid had a large shipment of choice white ones on last Monday that went lively. Good Kaiserin roses are a leader here.

At Berger Brothers' market, Richmond, Killarney and Maryland roses were the features. Business opened up strong on Monday with prospects good.

Mrs. Olds opened her new store at Ardmore, Pa., last Saturday. It is up to date in all details and no doubt will give a great boost to the business.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50 pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c. 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

STERLING MOSS AND PEAT COMPANY. BARNEGAT, NEW JERSEY. SPHAGNUM MOSS

The quality of our stock is fine.

GRADE NO. 1.	Bales of 5 bbls.....each \$2.00
	Bales of 10 bbls....." 3.50
GRADE NO. 2.	Bales of 5 bbls....." 1.75
	Bales of 10 bbls....." 3.00
GRADE NO. 3.	Bales of 5 bbls....." 1.25
	Bales of 10 bbls....." 2.50

FALL PRICES:

BATTED FIFTY CENTS PER SACK PEAT

NOW IS THE TIME TO ORDER.

J. L. DOTHIDAY, Prop.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY, - MILFORD, N. H.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

The tag girls' crusade for the Woman's Hospital on last Saturday netted over \$1,800. Twenty thousand dahlias were used.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.

EVERGREEN, ALA.

Mention the American Florist when writing

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

October 15.

FROM BOSTON, Laconia, Cunard.

Ryndam, Holland-America, 10 a. m.

Kronprinz Wilhelm, North Ger. Lloyd, 10 a. m.

October 16.

FROM PHILADELPHIA, Prinz Oskar, Ham.-

Amer., 11 a. m.

October 17.

Adriatic, White Star, 12 noon.

Amerika, Ham.-Amer., 10 a. m.

Grosser Kurfuerst, North Ger. Lloyd, 10 a. m.

La Provence, French, 10 a. m., Pier 57, North

River.

C. F. Tietgen, Scand.-American, 2 p. m.

October 18.

FROM QUEBEC, Empress of Britain, Can.-Pac.,

3:30 p. m.

FROM MONTREAL, Tunisian, Allan.

October 19.

Patricia, Ham.-Amer., 2 p. m.

Caledonia, Anchor, 2 p. m., Pier 64, North

River.

Chicago, French, 3 p. m., Pier 57, North River.

Caronia, Cunard.

Cleveland, Ham.-Amer.

St. Paul, American, 9:30 a. m., Pier 62, North

River.

Olympic, White Star, 12 noon.

Vaderland, Red Star, 10 a. m., Pier 61, North

River.

FROM BOSTON, Cretic, White Star, 4 p. m.

Prinzess Irene, North Ger. Lloyd, 11 a. m.

FROM MONTREAL, Cassandra, Donaldson.

Prinz Friedrich Wilhelm, North Ger. Lloyd,

10 a. m.

Czar, Russian-American, 2 p. m.

Verdi, Lamport & Holt, 10 a. m.

FROM MONTREAL AND QUEBEC, Pretorian,

Allan.

October 20.

FROM MONTREAL, Ionian, Allan.

FROM NEW YORK EXCEPT AT NOTED.

October 22.

FROM BOSTON, Arabia, White Star, 7:30 a. m.

Rotterdam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS.

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists. We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg

Flower & Plant Co.

1122 Grand Ave. Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Write for particulars to

Provision for guaranteed accounts.

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Barteldes Seed Co., Oklahoma City, Okla.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. E., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Hehl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburgh.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex. New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburgh.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburgh.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Oklahoma City, Okla.—Barteldes Seed Co.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Pittsburg—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. R. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. R. Roland, 80 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heint & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. V.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

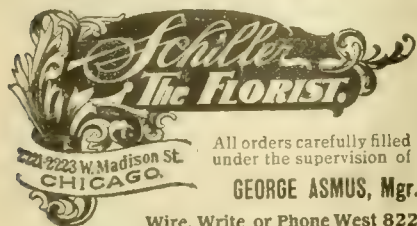
GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hehl)
336 Superior St., Toledo, O.
Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Wadison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URAH J. VIRGIN, —838—
CANAL ST.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St. TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop"

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Albany, N. Y.

Edward P. Meany and E. P. Tracey, proprietors of the Rosery, expect to celebrate the fifth anniversary of their business careers in a new store, 23 Steuben street, on November 1. The two have taken a lease of the premises, are having it fitted up with hot water heat, show windows of attractive design, and other features of an up to date establishment. They will sublet their present store at 76 Maiden Lane which they have conducted since the opening day in 1907. Messrs. Meany & Tracey are progressive young men and in their present location, which is on the direct course to the union station, cannot fail to increase their business.

Byron C. Holmes, Western avenue, has completed a greenhouse, 25 feet by 125 feet, which he has stocked with white and pink Enchantress and the standard Lawson. Mr. Holmes a few months ago opened a store at 327 Central avenue, where he is building up a good business in the growing western section of the city.

Whittle Brothers, 52 North Pearl street, have completed improvements to their new store, including a conservatory by Lord & Burnham, show windows trimmed in copper, a new ice box and a completely renovated interior.

John T. Trivison, 337 South Pearl street, is building a greenhouse, 20 feet by 28 feet, on the lot in the rear of the store for ferns and other stock.

R. D.

ST. PAUL, MINN.—L. W. Hill, son of "Jim" Hill, the railroad magnate, and himself a power in the railroad world, has notified the Minnesota Florists' Association that he will enter 100 different varieties of chrysanthemums in the flower festival to be held in November.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Oklahoma.

Barteldes Seed Co
FLORAL DEPARTMENT

Cut Flowers and Funeral Designs.

Oklahoma City, Okla.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				
Pot	Leaves	In. high.	Each	Doz.
2½-in.	4	8 to 10.....	\$ 1 50	
3-in.	5	12.....	2 00	
4-in.	5	15.....	\$ 0 35	
5-in.	6 to 7	18.....	50	6 00
6-in.	6 to 7	24.....	1 00	12 00
6-in.	6 to 7	26 in. high.....	1 25	15 00
6-in.	6 to 7	28 to 30.....	1 50	18 00
Cedar tub Leaves				
		In. high.	Each	Doz.
7-in.	6 to 7	34 to 36.....	2 50	30 00
9-in.	6 to 7	40 to 45.....	4 00	48 00
9-in.	6 to 7	42 to 48.....	5 00	
9-in.	6 to 7	48 to 54.....	6 00	
9-in.	6 to 7	5 ft.....	8 00	
9-in.	6 to 7	6 to 7 ft.....	10 00	

Cocos Weddelliana			Per 100
Pot	In. high		
2½-in.	8 to 10.....		\$10 00
Areca Lutescens			
9 in.	Several	5 ft.....	\$7 50

Kentia Forsteriana—Made up				
Cedar tub	Plants	In. high	Each	Doz.
7-in.	4	36.....	\$ 2 50	\$30 00
7-in.	4	36 to 40.....	3 00	36 00
9-in.	4	40 to 42.....	4 00	48 00
9-in.	4	42 to 48.....	5 00	60 00
9-in.	4	48 to 54.....	6 00	
9-in.	4	5 ft.....	7 50	
12-in.	4	5½ to 6½ ft.....	15 00	

Phoenix Roebelenii			Each
Pot			
5-in., nicely characterized			\$1 00
6-in., 18 to 20-in. spread			1 50
Cedar tub			Each
	High	Spread	
7-in.	18-in.	24-in.	\$2 00

Cibotium Schiedei			Each
Cedar tub	Spread		
7-in.	2 to 2½ feet.....		\$2 00
9-in.	4 feet.....		4 00
9-in.	5 feet.....		5 00
9-in.	6 feet.....		6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station.
Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted, carefully packed—to reach you in good growing condition.

November delivery—S. A. Nutt,
\$12.50 per 1000.

Ricard and Poitevine, \$15.00
per 1000.

Carnations and Coleus in season. Send
for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon	7 00	60 00
Beacon	6 00	50 00
May Day	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.

DES PLAINES, ILL.

Begonia Glory OF CINCINNATI

250 strong plants in 3½-inch pots, ready
for 6-inch pots, \$40.00 per hundred.

A. SUNDERBRUCH'S SONS,
CINCINNATI, O.

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress, - - -	\$6.00	\$50.00
Enchantress, - - -	6.00	50.00
C. W. Ward, - - -	6.00	50.00
Pink Delight, - - -	6.00	50.00

F. F. SCHEEL,

SCHERMERVILLE, ILL.

FERNS.

A choice lot of 4-inch

BOSTONS
At 10 Cents Each.

Also a fine lot of

Bench Grown Roosevelts

Ready for 4 and 5-in. pots,

15 Cents Each.

They are worth more money but we need the room

ADDEMS, MORGAN & CO.,
PAXTON, ILL.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street,

CHICAGO

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides, Chinese, Forbest, Obconica Alba, Rosea, Lilac, Rubra, Hybrida, Compacta, Carmine, Blue, Sanguinea, Giant Rosea, Giant Mixed, Kewensis.

CARNATIONS, FIELD.

Enchantress, \$4.00 per 100.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100; 2½-in., 2 c.

FERNS.

From bench. Boston, 5-in., 12c. Whitmani, 4-in., 10c; 5-in., 12c. Amerpohli, 4-in., 12c; 5-in., 15c; Scholzeli, 3-in., 8c; 4-in., 12c.

Pansies, Giant varieties\$2.50 per 1000

Yellow Daisy, 2½-in. 2c

Flowering Begonias, 6 kinds, 2-in. 1½c

Cash. **BYER BROS.,** Chambersburg, Pa.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Wilmamstown Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

LATE PEAS have been badly hit by frost.

WHITE ONION sets are keeping very poorly this season.

EARLY OHIO potatoes in the Red river district are down to 45 cents.

BEAN reports continue poor, the crops having suffered from frost and rain.

MME. PHILIPPE DE VILMORIN has been appointed Chevalier of the Merite Agricole for distinguished service in horticulture.

VISITED CHICAGO: Geo. C. Thompson, representing Northrup, King & Co., Minneapolis, Minn.; Arthur B. Clark, of the Everett B. Clark Seed Co., Milford, Conn., and family enroute to Green Bay, Wis., for a six weeks' supervision of their pea business there; Richard C. McGill, of the McGill Seed Growers' Co., San Francisco, Calif.

Maule's Record of Progress.

A new eight-story reinforced concrete building, to be used as a warehouse, will be erected in the near future by William Henry Maule, well known seedsman, at Twenty-first and Arch streets, Philadelphia, Pa. Mr. Maule has had his offices for nearly 27 years at 1711 Filbert street. The ad-

pires in July, 1913, however, and as the property has been purchased by the Pennsylvania Railroad, Mr. Maule is forced by this fact and his everpressing need for room to build new and bigger quarters of his own. He will retain his offices at the old place at 1711 Filbert street, as this property was not included in the railroad's purchase, and will use the new building for warehouse purposes only. The need for still more space had been growing rapidly lately and the action of the railroad probably merely hastened somewhat the erection of a building which is expected to prove amply large for years to come.

As is well known to the most of the seedsmen of the United States, Mr. Maule began business in a very small way about thirty-five years ago. His list of customers at that time was a short one and his catalogues were small and few in number. Now nearly a half-million of eager purchasers in all parts of the world scan his offerings, and the postage on the 400,000 178-page catalogues he issues will amount to \$24,000 this year. Some idea of the enormous size of this exclusively mail-order seed business may be given perhaps by the statement that entries are made of every post office in the United States when a new set of books are opened and that 57 large ledgers are necessary for this purpose. The catalogue lists more than 2,500 different articles, and varieties and orders range from twenty-five cents to a thousand dollars in

size. While planting is being done these orders come so thick and fast that a large force of girls, each an expert at the work, is required merely to open this mail.

Besides the headquarters in Philadelphia, Mr. Maule has two large farms, one at Newfield, N. J., and the other at Villa Nova, Pa., where valuable stocks are grown and where seeds obtained elsewhere are thoroughly tested. Reliability is striven for first of all here, and the fact that his seeds may be depended on has had more to do, perhaps, than any other one thing with Mr. Maule's success. Mr. Maule is today one of the country's largest seedsmen, and his enormous business has been built up by careful attention to details and a recognition of the fact that the customer who sends in an order, whether big or small, is entitled to just what the catalogue represents the seed to be.

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also submitting contract figures for the 1913 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—



W. H. Maule

joining buildings on either side also have been under lease by him for a long time, the great expansion in his business calling for more and more room as time went by. The lease ex-

FALL BULBS SELLING FAST

Still have stock of all late and a few early varieties.

Special Prices:

FREESIA REFRACTA ALBA
EXTRA LARGE.

\$0.75 per 100; \$6.75 per 1000.

MAMMOTH BULBS

\$1.00 per 100; \$9.00 per 1000.

LILIUM HARRISII
6-7 inches

\$0.75 per doz.; \$3.50 per 100.

For florists and dealers only. Mention this ad.

JAMES VICK'S SONS.
ROCHESTER, N. Y.

BERLIN VALLEY PIPS.

High grade quality from New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.
The Import House

17 Murray Street, - - NEW YORK

Seedsman requiring the very best selections

Garden Seeds

(Vegetable and Flower), especially

**Kelway's Celebrated
English Strains**

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON
Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

DUTCH BULBS NOW IN SEND A LIST OF WHAT YOU NEED.

We can quote you a price that will suit your purse.
Our bulbs are the best money can buy.

F. O. FRANZEN, 1476-78 Summerdale Ave., CHICAGO.

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



H. WREDE,
LUNEBURG, GERMANY
PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles.
1000 seeds, finest mixed... 25c
1 oz. . . \$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

**THE
J.C. Robinson Seed Co.**

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumbr, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.
GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip, Radish, Beet, Etc.

Branches: Michigan and Wisconsin. MILFORD, CONN.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), **Asters, Stocks,**
Verbenas, and other **Annuals.**

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

Contract Seed Growers

Specialties: **Pepper, Egg Plant, Tomato,**
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.

Bristol, Pa.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - - Oklahoma

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - - \$9.50
In lots of 500 lbs., - - 9.25
In lots of 1000 lbs., - - 9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.
PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Boston Ferns...

\$3.00 per 100. \$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.



Fall Bulbs On Hand For Immediate Shipment

The Bulbs we offer below are all of our Regular Importations (not auction
lots), in first class condition, and should give best possible results.

French Romans Per 1000
11-15 ctns. (2200 to case).....\$22.00

Lilium Multiflorum Per
1000
6-8-inch (400 bulbs to case)....\$30.00

Dutch Romans Per 1000
Named Varieties.....\$15.00
Separate Colors 11.50

Dutch Hyacinths Per 1000
First Size, (our selection).....\$50.00
Second Size " " 33.00
Bedding Grade, single..... 22.00
" " double..... 24.00

Freeseas Per 1000
French Mammoth.....\$10.00
Purity (extra size)..... 17.50
" Mammoth..... 20.00

Narcissus (Single) Per 1000
Emperor.....\$12.00
Golden Spur..... 12.00
Empress..... 12.00
Victoria..... 11.00
Incomparable..... 7.00
Sir Watkins..... 12.00
Poeticus..... 4.50
Poeticus Ornatus..... 5.00

Narcissus (Double) Per 1000
Alba Plena Odorata..... \$ 5.50
Incomparable..... 8.00
Von Sion, Fancy Select..... 12.50
Von Sion, First Size..... 10.00

Narcissus Paper Whites
Grandiflora Per 1000
Fancy (1250 bulbs to case)..... \$ 9.00

Chinese Narcissus Per 1000
Select (120 bulbs to mat).....\$30.00

Tulips (Single) Per 1000
Artus.....\$ 6.00
Belle Alliance..... 12.75
Couleur Cardinal..... 16.00
Chrysolora..... 6.00
Cottage Maid..... 7.25
Crimson King..... 6.50
Keizerskroon..... 9.00
La Reine..... 6.00
Pottebakker, White..... 11.00
" Scarlet..... 11.50
" Yellow..... 8.50
Proserpine..... 18.00
Rose Luisante..... 16.50
Thos. Moore..... 6.25
Vaughan's New Pink..... 8.50
Vermillion Brilliant..... 16.00
Yellow Prince..... 6.50

Tulips (Double) Per 1000
Crown of Roses.....\$17.00
Duke of York..... 7.00
Lord Roseberry..... 13.50
Murillo..... 7.50
Titian..... 12.00
Tournesol Red and Yellow... 17.00
" Yellow..... 12.75

Tulips (Late Flowering) Per 1000
Bouton d'Or.....\$ 9.75
Gesneriana Spathulata..... 10.00
Isabella..... 7.50
Maiden Blush..... 8.50
La Merveille..... 7.00
Sweet Nancy..... 8.25

Darwin Tulips Per 1000
Glow.....\$17.50
Gretchen..... 10.00
Pride of Haarlem..... 22.00
Salmon King..... 13.50
Sultan..... 9.00
White Queen..... 18.00
Mixed..... 10.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50. Cash, please. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

S. M. Isbell & Co.,

Jackson, Mich.

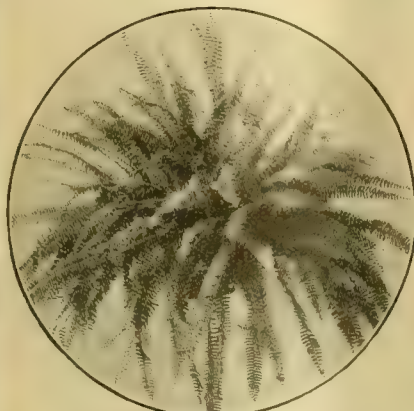
CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

ANNOUNCEMENT

WE have recently ventured into the plant business and now have 60,000 square feet of glass devoted to the growing of Decorative Stock of all kinds. An importation of Palms has just arrived and with our large stock of Decorative Plants which are now in A1 condition we are in the best shape to take care of all your orders. We will have a large quantity of Blooming Plants ready for the Holiday Trade, but the following items are now ready for shipment. You would do well to send your order direct to us. Let us have it before cold weather sets in.



Boston Fern.

PALMS

Areca Lutescens.

7-inch.....\$1.50 to \$2.00 each

Kentia Belmoreana.

Height	Each	Doz.	Per 100
4-in.....12 to 15-in.		\$ 4.50	\$35.00
5-in.....15 to 18-in.		6.00	50.00
5-in.....18 to 20-in.	.75	9.00	
6-in.....20 to 22-in.	1.00	12.00	
6-in.....22 to 24-in.	1.50	18.00	
7-in.....28 to 30-in.	2.50	30.00	
7-in.....36 to 40-in.	4.50		
Specimens in tubs, 40 to 42-in.	each, \$ 8.00		
5 to 6 ft.....	15.00		

Kentia Forsteriana.

Height	Each	Doz.	Per 100
4-in.....14 to 16-in.		\$ 4.50	\$35.00
5-in.....20 to 24-in.	.75	9.00	
6-in.....24 to 30-in.	1.00	12.00	
6-in.....30 to 36-in.	1.50		
7-in.....36 to 38-in.	2.50		
7-in.....38 to 40-in.	3.50		
7-in.....40 to 42-in.	7.00		
In tubs 44 to 50 in.	Each		
Made up in tubs 28 to 30-in.	\$ 3.50		
" " " 30 to 32-in.	4.00		
" " " 40 to 42-in.	5.00		
" " " 44 to 46-in.	7.00		
" " " 50 to 60-in.	10.00		

Phoenix Roebeleni.

3-inch.....	25c each; \$2.50 per doz.
4-inch.....	50c each; 5.00 per doz.

FERNS

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100

6-inch.....	\$ 6.00	\$45.00
7-inch.....	\$0.75	9.00
8-inch.....	1.00	12.00
10-inch.....	2.50	30.00
12-inch.....	3.50	

Cibotium Schiedei.

6-inch.....\$2.50 each

Ferns for Dishes.

12 of the leading varieties.....\$3.50 per 100
In pots.....\$32.50 per 1000
Out of pots.....30.00 per 1000
No better stock offered anywhere.

Araucaria Excelsa.

Good strong stock, 5-inch, 50c each; 4 to 5 tiers, 75c and \$1.00 each.

Christmas and New Cluster Peppers.

Finely fruited.
4-inch.....25c each; \$2.50 per doz.
5-inch.....50c each; 5.00 per doz.



Pandanus Veitchii.

Fine colored stock.

5-inch.....\$0.75 each; \$ 9.00 per doz.
6-inch.....1.50 each; 18.00 per doz.
7-inch.....2.00 each; 24.00 per doz.

Dracaena Terminalis.

Fine color.

4-inch.....25c each; \$2.50 per doz.
5-inch.....50c each; 5.00 per doz.

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

We will have the following Blooming Plants in first-class stock for Fall and Xmas sales:

Azaleas for Xmas., in bloom..50c to 2.00 each
Begonia Glory of Cincinnati, 35c to 1.50 each
Cyclamen, 4-in. to 7-in.....20c to 1.50 each
Poinsettias, in pans.....from 50c to \$2.00 each
Primulas Obconica and Malacoides, in bloom.....25c to 75c each
Also Smilax, strong 3-in., \$4.50 per 100; \$40.00 per 1000.

SEND ALL PLANT ORDERS DIRECT TO

POEHLMANN BROS CO.

Plant Department

Morton Grove,

Illinois.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, October 7.—Mushrooms, 50 cents to 75 cents per pound; lettuce, 25 cents to 27½ cents, small cases; cucumbers, \$1.75 to \$2 per case of two dozen.

Celery Blight.

This season has been the worst in our experience in regard to celery blight. This is probably caused by the constant but light showers ever since July 1. This everlasting rain, together with high temperature and sluggish air movement has been productive of blight and at the same time has rendered spraying difficult and often ineffective. Some seasons Golden Self-Blanching is the only kind affected, but this year all the green kinds are as well and that in spite of weekly sprayings with Bordeaux. As a check we allowed a part of our crop to go entirely unsprayed. These are away behind at this date, convincing us once more that although Bordeaux may not completely control celery blight under all conditions it will at least prevent a heavy loss. The next thing to spraying is liberal feeding. At the approach of cooler weather nitrate of soda should be freely used to induce strong growth to make up for the losses of foliage in hot weather. Celery that is affected by blight is hard to bleach, that is, the blight paves the way for rot and the bleaching had better be delayed for cool weather and the early market avoided. Early celery cannot be held in warm weather, hence any hoarding up must be judiciously done to avoid losses.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

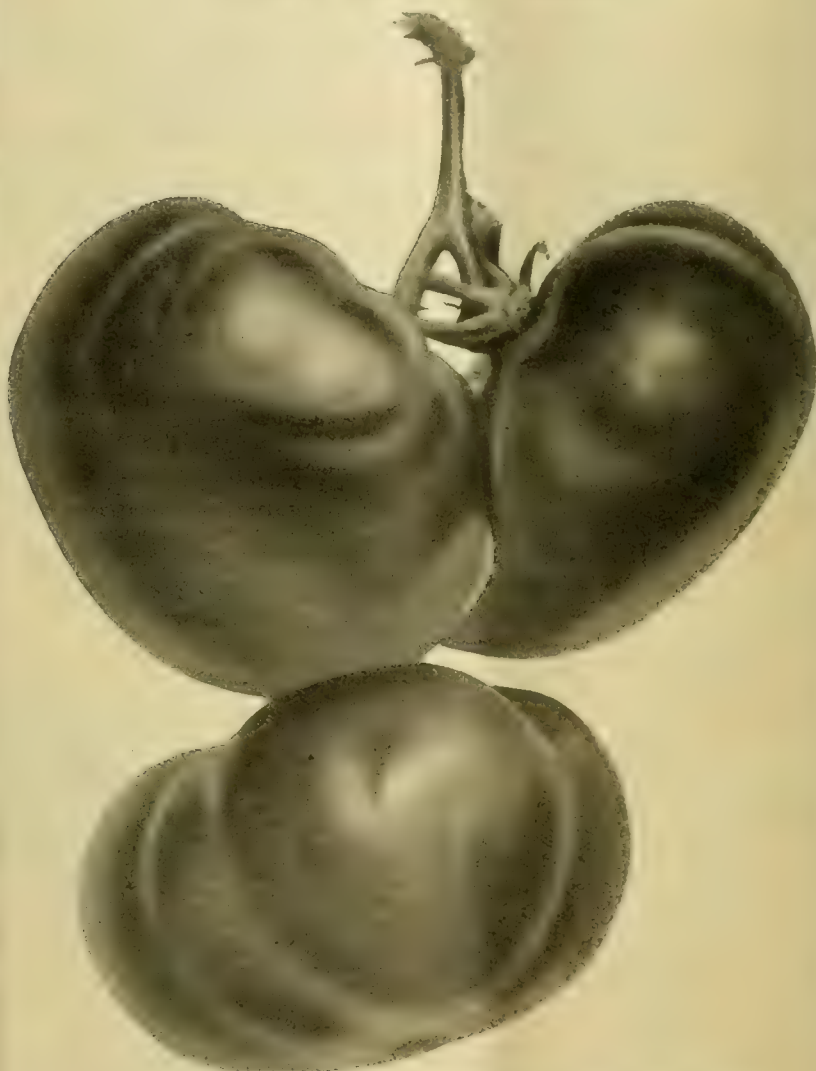
Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



A Novelty Which Is to Create a Remarkable Sensation
Is the New Variety of

TOMATO DAVY'S MILLIONAIRE

This new variety will take its place amongst the earliest sorts. The fruits are enormous, very fleshy, nearly free of seeds, almost smooth, of a deep scarlet color, and borne in clusters of three or four.

The giant size, earliness and the quality of the fruit will render this variety one of the very best introductions of the year.

DAVY, Arpajon, (S & O), France

A. BACHELOT, Traveling Representative in America.

Mr. Bachelot's headquarters are in care of The American Express Co., 65 Broadway, New York. Kindly write to that address for arrangements or quotations.

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best."

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made-up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings, 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....

.....\$3 each; 30 per dozen: \$200 per 100
Croton Punctata, 3-inch pots, heavy, \$20 per 100
Croton Punctata, 4-inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....

.....\$4, \$5, \$6 and \$7.50 each
Branch plants, exceptionally fine, at.....

Nephrolepis Elegantissima Improved.

2¼-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.

2¼-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.

2¼-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
8-inch pots.....\$12 and \$15 per dozen
11 inch tubs.....\$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Glatrasii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.

6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scotti.

Our stock is in superb condition.

2¼-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....

.....\$15 and 18 per dozen
10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlii.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.

4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlii.

The above variety is a greatly improved Amerpohlii. It is a compact form, much finer than Amerpohlii and does not break down in the center. The fronds are carried on wiry

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2¼-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 100

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeaoides—London Fern.

A good, strong grower and one we think very highly of.

2¼ inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 per dozen
9-in. and 10-in. tubs.....\$18, \$24 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2¼-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
8-inch pots, very heavy, \$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantissima Compacta

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape.

2¼-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO.

49th and Market Sts.,

PHILADELPHIA, PA.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

[\$12.00 per 100; \$100.00 per 1,000.

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Japanese Grown
Callas Just Received
Write for Prices.

—Wholesale only.—

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.

SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster,
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Mention the American Florist when writing

The Early Advertisement Gets There

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

EUGENE, ORE.—The Lane County Horticultural Society met here September 7. Peach blight and apple anthracosis were the subjects discussed.

SALT LAKE CITY, UTAH.—Articles of incorporation have been filed by the Home Nursery Co. of this city. F. P. Spittler is president, G. D. Watson, vice-president and M. O. Randolph secretary and treasurer. The capital stock \$5,000.

COLUMBUS, O.—The San Pedro Development Co., of this place, organized as a nursery, orchard and vegetable garden company, has incorporated with a capital stock of \$25,000. The incorporators are C. A. McAlister, A. S. W. Huffman, J. L. Baker, Frank N. Hammond and Fred M. Hammond.

American Apples in Germany.

American apples find high favor in Frankfurt, the best known being those grown in New York, Pennsylvania and Ohio, and embracing Baldwins, Greenings and Kings. Western apples do not seem to be so well known, although where introduced their reputation is very high. Wholesale dealers prefer to obtain their supplies of American apples from importers in Hamburg and Bremen. Where apples are not carefully packed for through shipment they can be re-sorted at port of arrival and repacked for shipment to inland points, insuring a minimum loss on account of spoiling.—Daily Consular and Trade Reports.

Fruit Growing in Australia.

Inasmuch as Australia grows fruit at a season of the year when practically no other country produces this commodity, it is but natural that this industry, to which the southern states of the commonwealth are so well adapted, should grow rapidly and the exports figure prominently in the country's trade relations with the principal markets of the world. Through the government's aid in securing better shipping facilities and cold-storage arrangements, fruit growing has made rapid progress in recent years, the area in this consular district alone having increased in the past eight years by

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

ROSES

Low, on Canina, extra strong, best sorts, \$4.50 per 100, \$40.00 per 1000.

Ornamental Plants, Hedge Plants, Fruit and Shade Trees, etc., cheap. Catalogue on application.

G. FRAHM, NURSERYMAN.

ELMSHORN, near Hamburg, GERMANY

about 22,000 acres. Victoria has a greater area under fruit production than any other state in the commonwealth. The variety and excellence of the fruit grown are unsurpassed, and last year's season proved to be the best in the history of the state. The

principal buyers of Australian fresh fruit are the United Kingdom, New Zealand, Germany, South Africa, and Brazil, Victoria leading in exports of same, with South Australia second in importance.—Daily Consular and Trade Reports.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

On the job day and night

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. All goods F. O. B. your city.

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



Try Us Out

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.
Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.
Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.
Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.
Poinsettias, strong 3 in. pot plants at \$7.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
Cibotium Schiedeii (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

NURSERY STOCK FOR FALL PLANTING. Now is the Time to Order.

Our stock is choice as it is chiefly grown for the Critical Retail Trade which insists on quality.

Deutzia Gracilis. Grand for forcing. 8-inch pot grown plants, 70 to 80 flowering branches, only 30c each; \$3.00 per doz.; \$20.00 per 100. Also some extra bushy field-grown plants in assorted sizes.

Othello Plum. Cannot be excelled as a decorative variety. Has the finest kind of purple foliage. Prunus Pissardi froze last winter. The Othello was not injured. See our catalog for sizes and prices.

Fruit Trees. Extra large specimens. Apple, Pear and Cherries at bargain prices. Ask for list.

Chicago Vaughan's Seed Store New York
Greenhouses and Nursery at Western Springs, Ill.

Two Important New Commercial Ferns

Cyrtomium Rochfordianum

(The Crested Holly Fern)

The most valuable Decorative Fern of recent introduction.

A most important addition to our list of Ferns. Its foliage is of a rich, deep, glossy green color, the pinnæ or leaflets besides being wavy or undulated are also deeply cut or toothed, giving the plant a graceful light appearance, which makes it valuable not only as a dish Fern but decorative work and for apartment use.

2¼-inch pots 75c per dozen, \$5.00 per 100, \$40.00 per 1000;
4-inch pots \$2.00 per dozen, \$15.00 per 100. Also a limited lot of flats of about 200 plants each, at \$3.00 per flat.

Adiantum Farleyense Gloriosa

(The Glory Fern or Rum Von Mordrecht)

The Fern which will revolutionize the cut frond business.

For the grower of Ferns for cutting this new Maiden Hair will undoubtedly prove a most important addition; it closely resembles Adiantum Farleyense and will make a splendid substitute for that fancy variety, and it can be produced at much less cost, as it will thrive under conditions in which Adiantum Farleyense could not exist.

At our Riverview Nursery we have given it a very fair trial for this purpose during the past winter. A block of these plants were planted on a bench in a house devoted to the ordinary Boston Fern and received the ordinary treatment and temperature given to the Nephrolepis, and under this treatment they developed not only fronds of great beauty on longer, stiffer stems than Farleyense produces, but also many more fronds than would be developed by that variety in the same length of time under the most favorable condition.

Anyone who successfully grows the ordinary varieties of Adiantum, such as Cuneatum, Croweanum, and Hybridum, can grow it under precisely the same conditions given to these sorts.

We have a fine block of about 30,000 young plants, 2¼-inch pots, at \$2.00 per dozen, \$15.00 per 100, \$140.00 per 1000.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.



Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston Ferns, 5-in., 25c each.
Whitman Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica,		
Alba Rosea	\$1 50	\$15 00
Gigantea - All from 2¼ pots	2 00	18 00
Asp. Plumosus, 2¼ pots	2 00	15 00
" Sprengeri	1 00	7 50
" Plumosus Seedling	1 00	6 00
Vinca Variegata field plants Cut back	5 00	2 50
Fancy Plants, Giant flowering		

CASH

Jos. H. Cunningham
Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes	@ \$4.00
3 foot	6.00
6 in. Birch Bark	1.00

Order a few of each size.

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - - -	8.00
White Perfection, - - -	7.00
Rose Pink Enchantress, - - -	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - INDIANA.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

ROSES

Standards, Dwarfs and Climbers

All the leading and up-to-date varieties, in strong, field grown plants, grown in large quantities for the export trade. Please send along list of your requirements to us, and we will quote special prices by return mail.

S. BIDE & SONS, LTD.

Wholesale Rose and Fruit Tree Growers

FARNHAM, Surrey, Eng.

A. B. C. Code: 5th Edition

Pansy Plants.

Best strain on the market. **Daisies** (Bellis) Forget-Me-Not, Sweet William, Gaillardia, Coreopsis, Delphiniums, Hardy Pinks, Foxgloves. Fine plants. \$2.50 per 1,000. 5,000 for \$10.00.

Hollyhocks, double, in colors. 50 cts. per 100. \$4.00 per 1,000.

Primulas, **Asparagus Plumosus** and **Sprengeri**. Fine plants. 2½ in. \$2.00 per 100, \$5.00 per 300.

Smilax. Strong, bushy plants. 2½ in. \$1.50 per 100, \$12.50 per 1,000.

J. C. SCHMIDT, Bristol, Pa.

Field Grown Carnation Plants.

Harlowarden, Lady Bountiful, Sangamo, Windsor \$45.00 per 1,000.

Enchantress, White Enchantress. Mrs. Ward, Dorothy Gordon, White Wonder, \$60.00 per 1,000.

O. P. Bassett, and **Beacon**, \$50.00 per 1,000.

One Thousand Lady Campbell Violet Plants, \$6.00 per 100 or \$50.00 per 1,000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100.

Mrs. David Symes, **Unaka**, (Pink), **Chrysolora**, (Yellow) \$1.00 per dozen.

ELI CROSS, : Grand Rapids, Mich.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

For Fall Planting

Lilium Tenuifolium, **Hansoni**, **Davuricum**, **Henryi**, **Elegans** and **Wallacei**; **Daphne Cneorum**, **Syringa Japonica**, **German** and **Japan Iris**. Fall list ready.

E. S. MILLER, Wading River, N. Y.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

FERNS.

Boston, **Whitmanii** and **Scholzelli** from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch **Boston** and **Scholzelli** grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Please Take Notice!

We Protect the Trade. Have No Department Store Customers.

OUR MOTTO: WE BELIEVE.

We believe in American business methods. We believe in our customers.

We believe that truth is an asset, and that our word is as good as our bond.

We believe that the best is none too good for our customers.

This ends our liability in selling only the best.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5½ to 5½ in. pots, 2-3 years old 3-4 tiers, 14-15 in. high, 40c to 50c; 5½ to 6 in. pots, 3 years old, 4-5 tiers, 16-18 in. high, 60c to 75c; 6 in. pots, 4 years old, 4-5 tiers, 20-22 in. high, \$1.00; 6 in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7 in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa **Glauca** and **Robusta Compacta**, April, 1911,

importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6 in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6 in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 6 in., 26 to 28 in. high, 75c to \$1.00.

Kentia Belmoreana, 4 year old, combination or made up of 3 plants. 26 to 28 inches high, \$1.25.

Kentia Belmoreana combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4 in., 25c; 5½ in., 50c.

Kentia Forsteriana, 4½ to 5 in. pots, 20 to 24 in. high, 30c to 40c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana 6 in. pots, made up, one large in center, three small ones around, \$1.0 to \$1.25.

Cocos Weddelliana Palms, single, 3 in. pots, 15c, 18c and 20c.

Araucaria Lutescens Palms, made up of 3 plants, 4 in., 20c to 25c; 5½ in., made up of 3 plants, 35c.

Aspidistras, variegated, 6 in. pots, 15c per leaf; green, 6 in. pots, 1c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Corphaea Australis Palms, 5 in. pots, 20 in. high, 35c.

Asparagus Plumosus and **Sprengeri**, large 4 in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2½ in., \$3.00 per 100.

Asparagus Sprengeri, 2½ in., \$4.00 per 100.

Hydrangea Otaksa, pot-grown. Remember, only pot grown stock, like ours, will force successfully. 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4 in., \$6.00 per 100; 5½ in., \$2.50 per doz.

Primula Chincensis, John F. Rupp strain, assorted, 4 in., \$10.00 per 100; 5½ in., only \$2.50 per doz.

Poinsettias, 4 in., 20c.

Azalea Indica for early forcing, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaeuana and others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Begonias Gloire de Lorraine and **Lonsdale**, pink, large 4 in., 30c to 35c; 5½ to 6 in. pots, 50c 75c to \$1.00. **Glory of Cincinnati**, 4 in., 40c to 45c.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants, 1012 W. Ontario Street, PHILADELPHIA, PA.

POINSETTIAS

Present Delivery.

We have a fine lot ready now. Fine Extra Strong 2½ in. pot plants, \$5.50 per 100, \$50.00 per 1,000. Strong 2½ in., \$5 per 100; \$45 per 1,000.

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

Mention the American Florist when writing

Ficus Elastica, Belgium or American stock, 5-5½ in., 30c, 35c to 40c; 6 in., 50c; 7 in., 75c.

Jerusalem Cherries (Solanum) 6 in., 25c, 35c, 50c.

Daisies, **Sanderi**, pure white, everlasting bloomer, very valuable for cut flowers, 2½ in., \$5.00 per 100.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2½ in. pots, strong, \$4.00 per 100.

Cineraria Hybrida, our well-known superior strain, which created a sensation last Easter, 2 in., \$5.00 per 100.

Ferns.

The growing of *Nephrolepis* for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old dark houses bring fungus and make spindly plants.

Neph Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it.

4-5 ½-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmanii, 4 in., 20c; 5½ to 6 in. pots, 30c, 35c, 40c and 50c; 7 in., 75c.

Neph. Scottii, 4 in., 20c; 5 in., 35c; 5½ to 6 in., 40c to 50c; 7 in., 75c.

Boston, 7 in., 75c; 5½ to 6 in., 40c to 50c; 5 in., 35c; 4 in., 20c.

Neph. Elegantisima Compacta, 6 in., 50c.

Neph. Scholzelli, 6 in., 50c.

Adiantum Hybridum, the new Maidenhair Fern, large 4 in., bushy, 15c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½ in. **Dish Ferns**, now ready, \$4.00 per 100.

6 in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6 in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c.

Look! only 25c per pan for three big plants.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Binghamton, N. Y., Sept. 3rd, 1912.

Mr. Godfrey Aschmann, Philadelphia.

Dear Sir:—Your shipment of Palms, Plants and Ferns arrived in fine shape. I certainly am well pleased with all stock you send me, and I will send you another order.

S. W. BACKER, Billy the Florist.

93 Front St., Binghamton, N. Y.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912."

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices, Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

HYDRANGEA OTAKSA.

Four inch, pot grown, ready for six inch, three to six shoots, \$8.00 per 100.

Field grown, three to six shoots, very strong plants. \$10.00 per 100.

FERNS.

	Per 100
Amerpohll , 4 in. extra fine	\$15.00
Whitmanii , 4 in.	15.00
Whitmanii 3 in. ready for shift	8.00
Whitmanii , 2 in.	5.00
Elegantissima , improved 2 in.	4.00

DAISIES.

Yellow, the best winter flowering variety 3 in. 8c
5 in. 20c

Randolph & McClements
5936 Penn Ave., PITTSBURGH, PA.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne , creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d' Osmond , white with sulphurish center.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d' Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachei , deep crimson-purple, one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower, stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmita , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.

BALTIMORE, MD.

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Lady Hillingdon Roses

Fine 2 1/2-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.
Harrisii, an improved **Bostoniensis**. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each; 6-in. at 50c each.

Giatrasi, 8-in. pots, \$1.00 each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3 1/2-in. pots, 15c. each.

Magnifica, 3 1/2-in. pots, 25c each; 6-in., 75c. ea.

Asparagus Plumosus Nanus, 2 1/2-in. pots, \$4.00 per 100.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots. \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lillium Giganteum.

7-9 in. bulbs; case lots of 300.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Phoenix Roebelenii.

The finest and most graceful of all palms and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs..... \$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Freeseias. French-grown.

Mammoth bulbs, 3/4-in. and up... \$12.00 per 1000
Extra sized bulbs, 1/2 to 3/4-in.... 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Azaleas

Best Standard Commercial Varieties.

New importations ready in October.

	Per doz.	Per 100
Plants 10-12 in. in diameter...	\$ 6.00	\$ 40.00
Plants 12-14 in. in diameter...	9.00	50.00
Plants 14-16 in. in diameter...	12.00	70.00
Plants 16-18 in. in diameter...	15.00	100.00

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

Index to Advertisers.

- | | | | | | |
|--|--|-------------------------------------|---|--|--|
| Addams, Morgan & Co. 711 | Eyres H G. 709 | Matthews Florist... 709 | Rice Bros. 702 | Walker F A & Co. 710 | Wilson R G. 707 |
| Advance Co The. 730 | Fish Henry Seed Co. 713 | May & Co L L. 707 | Rice & Co. M. 706 | Ward & Co. R M. 11 | Winandy M & Co. 722 |
| Alpha Floral Co. 702 | Florists' Hall Assn. 726 | Meconi Paul 705 | Robinson J C Seed Co. 713 | Weber F H. 711 | Wittbold G Co. 707 |
| American Spaw Co. 716 | Florists Tel. Deliv. 19 | Metropolitan Mat'l Co. 728 | Rock W L Co. 708 | Weeber & Don. 714 | Wittbold Henry. 701 |
| American Wooden Ware Mfg Co. 111 | Foley Mfg Co. 705 | Mette Henry 717 | Robbert Seed Co. 717 | Weiland & Risch. 701 | Wolfskill Bros & Morris Goldenson 709 |
| Amling E C Co. 710 | Ford M C. 705 | Meyer John C & Co. 706 | Routzahn Seed Co. 714 | Welch Bros. 703 | Wood B. 719 |
| Anderson S A. 707 | Frahm G. 718 | Michigan Cut Flo Exchange. 706 | Rusch G & Co. 702 | Wertheimer Bros. 11 | Wrede H. 713 |
| Andorra Nurseries. 717 | Fottler, Fiske. 11 | Miller E S. 720 | Saakes O C. 709 | Western Seed & Irrigation Co. 714 | Yokohama Nurs Co. 717 |
| Angermueller G H. 702 | Rawson Co. 11 | Moninger J C Co. 103 | Schell F F. 711 | Wietor Bros. 696 | Young A L & Co. 705 |
| Appine Mfg Co. 730 | Franklin Davis Nursery Co. 721 | Montreal Floral Ex. 703 | Schilder Bros. 712 | Wilks S Mfg Co. 729 | Young & Nugent. 707 |
| Aschmann Godfrey. 710 | Franzen F O. 713 | Moore, Hentz & Nash. 705 | Schiller, the Florist. 710 | Williams Mrs E A. 710 | Zech & Mann. 701 |
| Atlanta Floral Co. 720 | Fraser Samuel. 718 | Morehead Mfg Co. 732 | Schillo Adam. 732 | | |
| Auburndale Gold Fish Co. 700 | Freeman Mrs J B. 710 | Mt Gilead Pottery Co. 111 | Schlatter W & Son. 722 | | |
| Bader Jno & Co. 719 | Freeman & Sons. 731 | Munk Floral Co. 712 | Schling Max. 710 | | |
| Badgley Reidel & Meyer, Inc. 705 | Froment H E. 705 | Murray Samuel. 710 | Schmidt J C. 720 | | |
| Barrows H H & Son. 714 | Galvin Thos F. 709 | Myers Florist. 718 | Schultz Jacob. 718 | | |
| Barteldes Seed Co. 710 | Garland G M. 709 | Nat Flo B of Trade. 722 | Scott John. 719 | | |
| Bassett & Washburn. 694 | Gasser J M Co. 710 | N Y Cut Flower Ex. 705 | Seattle Cut Flo Ex. 703 | | |
| Bayersdorfer H. 731 | Geny Bros. 732 | Niessen Leo Co. 713 | Shaffer Geo C. 709 | | |
| Beaven E A. 706 | Giblin & Co. 732 | Oechslein Frank. 719 | Sharp, Partridge & Co. 729 | | |
| Berger Bros. 702 | Gillies Litho & Print Co. 718 | Oklahoma Seed Gro Co. 713 | Sheridan W F. 705 | | |
| Berning H G. 708 | Gorham & Chapline Grand Rapids Flower Co. 709 | Palmer W J & Son. 718 | Situation & Wants. 691 | | |
| Berterman Bros Co. 720 | Growers Cut Flower Co. 705 | Park Floral Co. 708 | Skidelsky S S & Co. 713 | | |
| Bide & Sons S. 714 | Gude Bros. 708 | Peacock Dahlia Fms. 711 | Smith A W & Co. 719 | | |
| Black Chas. 718 | Gunter Bros. 705 | Pedrick Geo & Son. 713 | Smith E D & Co. 730 | | |
| Bobbin & Atkins. 714 | Habermann Chas. 710 | Pennock-Meehan Co. 705 | Smith & Hemenway. 729 | | |
| Bodding A T. 714 | Hammond's Paint & Slug Shot Wks. 727 | Penn the Florist. 718 | Smith P J. 705 | | |
| Bodger J & Sons Co. 713 | Hatcher, Florist. 710 | Peters & Reed Poty. 111 | Smith Wm C. 103 | | |
| Boland J B Co. 717 | Haven Seed Co The. 713 | Peterson & Sons. 712 | Smith W & T Co. 103 | | |
| Bolgiano J & Sons. 709 | Heacock Jos Co. 711 | Pierce F O Co. 732 | Stearns Lumber Co. 730 | | |
| Bowe M A. 709 | Heini John & Son. 707 | Pierion A N (Inc). 714 | Sterling Moss & Peat Co. 706 | | |
| Boynton Furnace Co. 722 | Henderson A & Co. 720 | Pierion F R Co. 722 | Stoothoff H A Co. 731 | | |
| Braslan Seed Grow Co. 712 | Herr Albert M. 711 | Pillsbury I L. 722 | Storrs & Harrison. 718 | | |
| Breitmeyer's J Sons. 708 | Herrnann A. 732 | Pieters & Wheeler Seed Co. 712 | Sunderbruch's Sons A. 711 | | |
| Brown Alfred J Seed Co. 712 | Hesse & Swoboda. 710 | Pinkston Jas E. 716 | Superior Machine & Boiler Works. 730 | | |
| Brown Bag Filling Machine Co. 713 | Hews A H & Co. 111 | Pittsburg Cut Flo Co. 703 | Syracuse Pottery Co. 111 | | |
| Bruns H N. 713 | Hilfinger Bros. 111 | Podesta & Baldocchi. 709 | Taylor Steam Trap Co. 732 | | |
| Buckbee H W. 710 | Hines E Lumber Co. 720 | Pohlmann Bros Co. 693 695 715 | Texas Seed & Flower Co. 707 | | |
| Budlong J A. 698 | Hitchings & Co. 731 | Pollworth CCCo. 712 | Thompson Car Co. 720 | | |
| Burnett Bros. 11 | Hoerber Bros. 711 | Pulverized Manure Co. 730 | Thorburn J M & Co. 11 | | |
| Burpee W A & Co. 711 | Hoffman Flo Artist. 711 | Quaker City Machine Works. 722 | Tong & Weeks. 720 | | |
| Byer Bros. 711 | Hoffmeister Flo Co. 703 | Raedlein Basket Co. 698 | Totty Chas H. 703 | | |
| Caldwell the Woodsman Co. 706 | Holm & Olson. 718 | Ramsburg. 714 | Traendly & Schenck. 705 | | |
| California Seed Grow Assn. 704 | Holton & Hunkel Co. 719 | Randall A L Co. 716 | Trimble W E. 701 | | |
| Camp Condit Co. 730 | Hooker H M Co. 717 | Rawlings Elmer. 711 | Greenhouse Co. 707 | | |
| Chicago Carn Co. 695 | Hurt E H. 712 | Ready Reference. 723 | Valentine Frank. 717 | | |
| Chicago Flower Growers Assn. 699 | Hurff Edgar F. 737 | Reid Edw. 728 | Vaughan A L & Co. 699 | | |
| Chicago House Wrecking Co. 731 | Igoe Bros. 722 | Reinberg Geo. 701 | Vaughan's Seed Store. 711 | | |
| Clark E B Seed Co. 713 | Illinois Pipe Mfg Co. 728 | Reinberg Peter. 697 | Vestals. 713 | | |
| Clark's Sons David. 709 | International Heater Co. 731 | | Vick's Sons Jas. 710 | | |
| Cleveland Cut Flower Co. 709 | Isbell S M & Co. 714 | | Vincent R Jr. 716 | | |
| Conard & Jones. 721 | Jackson & Perkins. 721 | | Virgin N J. 710 | | |
| Cooke Geo H. 707 | Johnson J Oliver. 713 | | Wagner Park Cons. 111 | | |
| Cotsonas Geo & Co. 706 | Johnson WW & Son. 717 | | | | |
| Cowee W J. 732 | Jones Percy. 694 | | | | |
| Coy H C Seed Co. 714 | Kasting W F Co. 713 | | | | |
| Cray Robt Co. 717 | Keller Geo & Sons. 111 | | | | |
| Critchell C E. 703 | Keller J B & Sons. 710 | | | | |
| Cross Eli. 720 | Kellogg Geo M. 707 | | | | |
| Crumpp Frank F. 708 | Kelway & Son. 713 | | | | |
| Cunningham Jos H. 719 | Kennicott Bros. 705 | | | | |
| Daniels & Fisher. 709 | Kervan Co The. 705 | | | | |
| Dards Chas. 708 | Kessler W A. 715 | | | | |
| Daw. 716 | Kift Robt. 719 | | | | |
| Day. 706 | King Construct Co. 726 | | | | |
| Deamud J B Co. 700 | Klokner A. 728 | | | | |
| De Giorgi Bros. 714 | Kohr A F. 111 | | | | |
| Dennison Mfg Co. 692 | Kramer I N & Son. 730 | | | | |
| DesPlaines Flor Co. 711 | Kroeschell Bros Co. 728 | | | | |
| Detroit Flower Pot Mfg. 111 | Kruchten John. 711 | | | | |
| Dietsch A & Co. 103 | Kuehn C A. 702 | | | | |
| Diller Caskey & Keen. 729 | Kuhl Geo A. 719 | | | | |
| Dillon J L. 721 | Kyle & Foerster. 701 | | | | |
| Dingee & Conard Co. 717 | LaCrosse Floral Co. 710 | | | | |
| Domoto Bros. 696 | Lager & Hurrell. 1 | | | | |
| Dorner F & Sons. 719 | Lange A. 707 | | | | |
| Dreer H A. 111 719 | Landreth Seed Co. 713 | | | | |
| Dreer Chas. 710 | Lecakes N L & Co. 715 | | | | |
| Dunlop John H. 709 | Leeder John. 729 | | | | |
| Dwelle-Kaiser Co. 727 | Leedle Floral Co. 721 | | | | |
| Eagle Machine Wks. 727 | Lelache Emil. 713 | | | | |
| Edwards Folding Box. 722 | Leonard Seed Co. 713 | | | | |
| Emmans Geo M. 719 | McCallum Co. 703 | | | | |
| Erie Floral Co. 1 | McConnell Alex. 707 | | | | |
| Erne & Klingel. 697 | McCoy L W. 710 | | | | |
| Esperance L Nurs. 720 | McCullough's J M Sons Co. 703 | | | | |
| | McHutchinson & Co. 713 | | | | |
| | McKellar Chas W. 710 | | | | |
| | McKenna P & Son. 719 | | | | |
| | Mangel. 707 | | | | |
| | Mann Otto. 11 | | | | |
| | Mastin J G & Co. 731 | | | | |
| | Masur S. 707 | | | | |

No loss if you mend your split carnations with
Superior Carnation STAPLES
30c per 1000 postpaid.
Nm. Schlatter & Son,
422 Main St., Springfield, Mass.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

EVANS' Improved Challenge Ventilating Apparatus
Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Model Extension Carnation Support
Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market
Pat. July 27, '97. May 17, '98
GALVANIZED WIRE ROSE STAKES.
Write for prices before ordering elsewhere.
Prompt shipment guaranteed
IGOE BROS.
266 N. 9th St.
BROOKLYN, N. Y.

Do not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK
Mention the American Florist when writing

Split Carnations
Quickly, Easily and Cheaply Mended. No Tools Required.
Pillsbury Carnation Staple
Patented 1898.
2000 for \$1.00 postpaid.
I. L. PILLSBURY,
Galesburg, Ill.
Mention the American Florist when writing

Boynton Furnace Co.
SOLE MANUFACTURERS OF
BOYNTON'S WATER and STEAM BOILERS
FOR HEATING ALL KINDS OF BUILDINGS
Especially Adapted to Heating Greenhouses
New York { Chicago } Jersey City
131 W. Lake St

M. WINANDY CO., Mrs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALYSSUMS.

Alyssum, giant double, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 6 varieties; 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

ARAUCARIAS.

Araucaria excelsa, 4-in., 50c each; \$6 per doz.; 6-in., \$1 each; \$12 per doz.; 7-in., \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. Poehlmann Bros. Co., Morton Grove, Ill.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, from 3-in. pots, strong plants ready for 4-in., \$5 per 100; \$45 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Hatcher, 2-in., per doz., \$1; per 100, \$7; per 1,000, \$60. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprenger, 3-in., \$6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azaleas, standard varieties, 10-12 ins. diam., \$6 per doz.; \$40 per 100; 12-14 ins., \$9 per doz.; \$50 per 100; 14-16 ins., \$12 per doz., \$70 per 100; 16-18 ins., \$15 per doz.; \$100 per 100. F. R. Pierson Co., Tarrytown-on-Hudson.

Azalea indica, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas for Xmas in bloom, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Gloire de Lorraine and Lonsdale, 4-in., 30c to 35c. Glory of Cincinnati, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 4-in., 50c each; \$5 per doz.; \$40 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Vernon, pink and white, 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Begonia Cincinnati, 35c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwood. See advertisement elsewhere in this issue for prices. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Horseshoe Brand Liliun Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs. Freesia refracta alba, extra large, 75c per 100; \$6.75 per 1,000; mammoth bulbs, \$1 per 100; \$9 per 1,000. Liliun Harrisii, 6-7 ins., 75c per doz.; \$3.50 per 100. James Vick's Sons, Rochester, N. Y.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Dutch bulbs now in. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

CANNAS, individual field clumps, Cinnabar, cinnamon red; Sec. Chabanne, Salmon red; Robusta, bronze foliage, \$7.50 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$10 per 100. Mixed reds, Salmon, etc., \$7 per 100. WAGNER PARK CONSERVATORIES, SIDNEY, O.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.		
	100	1000
Light Pink Enchantress	\$7.00	\$60.00
White Enchantress	7.00	60.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection	7.00	60.00
Dorothy Gordon	7.00	60.00
Beacon	8.00	75.00
Victory	7.00	60.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowarden	7.00	60.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D., with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.		
Strong, Sturdy, Healthy.		
	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS., Chicago.

FIELD-GROWN CARNATION PLANTS.		
	Per 100	Per 1,000
Enchantress	\$4.00	\$35.00
White Perfection	4.00	35.00

Cash with order please. J. S. SCHOOS, Evanston, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

FIELD-GROWN CARNATION PLANTS.

	Per 100	Per 1,000
500 Enchantress	\$5.00	\$50.00
Washington	5.00	40.00
Beacon	5.00	40.00
White Enchantress	5.00	40.00
Dorothy Gordon	5.00	40.00
Sangamo	4.00	30.00
May Day	4.00	30.00

Cash With Order.

HENRY C. BLEWITT, Des Plaines, Ill.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.
J. D. THOMPSON CARNATION CO., JOLIET, ILL.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

LARGE HEALTHY CARNATION PLANTS.

\$5.00 per 100. \$45.00 per 1,000.

White Perfection, Enchantress and Rose Pink Enchantress, \$3.50 per 100 if called for at our place.

EMIL BLAMEUSER.

NILES CENTER, Ill.

Carnations, all plants guaranteed satisfactory, 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

LAST CALL FOR CARNATIONS, field-grown plants, and No. 1 stock. Pink Enchantress, \$40 per 1,000. White Perfection, Winsor, \$35 per 1,000. 100 at 1,000 rates. Cash with order. Write for prices on large lots. NORTHWESTERN FLORAL CO., Gross Point, Ill.

Carnations, 2,500 White Perfection, 1,000 Light Pink Enchantress, 600 Victory, 400 Bassett, 300 Mrs. C. W. Ward, 300 Scarlet Glow, 100 Beacon, \$6 per 100; \$50 per 1,000. 900 Pink Delight, \$7 per 100. Cash please. Harry Hehl, West Toledo, O.

Carnations, field-grown, strong, bushy, fibrous roots, R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, field-grown, Brooklyn, \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Good field-grown Carnation plants, 2,000 Mrs. C. W. Ward, 2,000 Alma Ward, \$50 per 1,000. Campbell, The Florist, Rochester, N. Y.

Carnation, The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 10 varieties, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

CYCLAMEN.

Cyclamen, 4-in. to 7-in., 20c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

CYPERUS.

Cyperus alternifolius, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.50 per doz.; \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS.

Dahlias, individual field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$5 per 100. Grand Duke Alexis, white; A. D. Livoni, pink; \$8 per 100. Black Beauty, maroon, \$3.50 per 100. Mixed, all good colors, \$3 per 100. WAGNER PARK CONSERVATOIRES, SIDNEY, O.

DAISIES.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Daisies, yellow, 3-in., 8c; 5-in., 20c. Randolph & McClements, Pittsburg, Pa.

DRACAENAS.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, finely colored, perfect plants, 7-in. pots, 30 inches high, \$1.50 each. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Whitmani, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scotti, 4-in., 20c; 5-in., 35c; 5½ and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantiissima Compacta, 6-in., 50c. Scholzei, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOSTON FERNS.

4-in., 12½c; 5-in., 20c, 25c; excellent stock.

Send us Trial Order.

EDW. DOEGE COMPANY.

4344 N. Springfield Ave., Chicago.

Ferns, Boston, 5-in., 12c; Whitmani, 4-in., 10c; 5-in., 12c; Amerpohl, 4-in., 12c; 5-in., 15c. Scholzei, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

Ferns, 4-in. Boston, 10c each. Bench grown Roosevelt, ready for 4 and 5-in., 15c. Addems, Morgan & Co., Paxton, Ill.

The best of all the Boston ferns, NEPHROLEPIS HARRISII, from 2½-in. pots, \$6 per 100; \$50 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Ferns, Boston, Whitmani, Scholzei, from bench 10c and 15c; 5 and 6-in. Boston and Scholzei, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Robert Craig Co., 49th and Market Sts., Philadelphia.

Ferns for dishes, 2½ in., \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Amerpohl, 4-in., \$15 per 100. Whitmani, 4-in., \$15 per 100; 3-in., \$8 per 100; 2-in., \$5 per 100. Elegantiissima 2-in., \$4 per 100. Randolph & McClements, Pittsburg, Pa.

Clodium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitmani Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son Whiteman, Mass.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslin, 4911 Quincy St., Chicago.

Nephrolepis Amerpohl, 4½-in., \$12 per 100. Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitmani, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus repens, 2½-in., 50c each. Elastica, 5-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., branching, 75c and \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, Belgium or American stock, 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Select well rooted cuttings, S. A. Nutt, \$1.25 per 100; \$10 per 1,000. Ready late October. Send 10 cents for Sample.

EDW. DOEGE COMPANY,

4344 N. Springfield Ave., Chicago.

Geraniums, Nutt, Buchner, Viad, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Viad, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, good assortment, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, R. C., S. A. Nutt, \$12.50 per 1,000. Ricard and Poitevine, \$15. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Southern wild smilax and natural and perpetuated roses. E. A. Bevan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Phlox, 20 leading kinds, \$3 per 100; \$27.50 per 1,000. Good & Reese Co., Springfield, O.

Hardy phlox, 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, 50c per 100; \$4 per 1,000. J. O. Schmidt, Bristol, Pa.

HELIOTROPES.

Heliotrope, light and dark purple, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Heliotrope. A. N. Pierson, Inc., Cornwall, Conn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

HYDRANGEAS.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Hydrangea Otaksa, field-grown, 1 shoot, 7c; 2 shoots, 12c; 3 shoots, 18c; 4 to 5 shoots, 25c; 6 to 8 shoots, 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

IVY.

Hardy English ivy, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Ivy, hardy English or Russian, violet field-grown clumps, \$7 per 100. Storrs & Harrison Co., Painesville, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash, J. C. Rennison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter, E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips, Hamburg or Berlin, \$11 per case of 1,000 or \$30 per case of 3,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Lily of the valley, F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

From Storage.

Lily of the valley from cold storage, Bruns' Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.50 per 100; \$16 per 1,000. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MOSS.

Moss, sphagnum. Sterling Moss and Peat Co., Barnegat, N. J.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture, American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, roses, low on Canina, best sorts, \$1.50 per 100; \$40 per 1,000. Ornamental plants, hedge plants, fruit and shade trees, etc. G. Frahm, Elmshorn, near Hamburg, Germany.

Nursery stock, Dentzia Gracilis, 8-in. pot-grown, 70 to 80 flowering branches, 30c each; \$3 per doz.; \$20 per 100. Othello plums, apples, pears and cherries. Vaughan's Seed Store, Chicago and New York.

CATALPA SPECIOSA (genuine) and Black Locust in any size. Exceptionally fine stock. Special price on fall delivery. E. C. PIKE & CO., St. Charles, Ill.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.**PANDANUS VEITCHII.**

Fine specimen nicely variegated and extra value guaranteed, \$1.50, \$2.50, \$3, \$4 and \$5 each. These are especially suitable for hotels and fine decorations.

J. A. PETERSON & SONS,

Westwood.

Cincinnati, O.

Pandanus Veitchii, 5-in., 75c each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

Pandanus Veitchii, Vaughan's Seed Store, Chicago and New York.

PALMS.

Palms. For sizes and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Phoenix Roebeleni, specimens, 12-in. tubs, \$5 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants. Oct. 1st, 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants, J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. W. & T. Smith Co. Geneva, N. Y.

PEPPERS.

Christmas and New Cluster peppers, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Christmas and New Celestial (Cluster) peppers, extra strong, 2-in., \$2 per 100. Rober & Radke, Maywood, Ill.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias in pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica grandis, 4-in., \$10 per 100. Chimensis, Rupp strain, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Chinese, 4-in., \$1.50 per doz. Obconica, 4-in., \$1.50 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula obconica and Malacoides, in bloom, 25c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Primula Malacoides, 2½-in., per doz., 75c; per 100, \$4; per 1,000, \$35. Vaughan's Seed Store, Chicago and New York.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, standards, dwarfs and climbers. S. Bide & Sons, Ltd., Farnham, Surrey, England.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, 2½-in., Maryland, Carnots, \$4 per 100; \$35 per 1,000. Erie Floral Co., Erie, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuces, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glorioles, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early Spring sales.

Begonia Redding Queen, finest Pink, \$2.50 \$0.50
Begonia Gracilis luminosa, fin't red 2.50 .50
Begonia Triumph, finest white, 2.50 .50
O. V. Zangen, Hoboken, N. J.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About

GEORGIA CABBAGE-COLLARD SEED—Write for prices for immediate shipment, 1912 harvest. Also our special contract price for delivery out of 1913 harvest. MAULDIN BROS., CAIRO, GA.

Tomato Davy's Millionaire. Davy, Arpaion (S. & O.), France. A. Bachelot, traveling Representative in America, Care American Express Co., 65 Broadway, N. Y.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poeschlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillscothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, good shades, giant pink and white, 2½ in., \$2 per 100; \$18 per 1,000; 500 at 1000 rate. Cash. Clement S. Levis, Aldan, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linneus, strong divisions, 4c; \$25 per 1,000. Mosbak Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

Let us have your order for VARIEGATED VINCA Vines, strong, healthy, field-grown clumps; no runners taken off of these plants; ready for 4 and 5-in. pots, \$3.50 per 100; \$30 per 1,000. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Vincas, variegated, extra fine large field clumps ready to deliver. \$4 per 100. Brus Bros., 400 Main St., Kansas City, Mo.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Violets, Gov. Herrick, field-grown, \$3 per 100; 2½ in., 2c. Byer Bros., Chambersburg, Pa.

STOCK WANTED.

Wanted—10,000 A1 Amoor River cuttings. Audreylea Nursery, Lombard, Ill.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietrich Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene, 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 162. Chicago.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Peerless glass repair clamps. Box of 100, \$1. A. Klokner, Wauwatosa, Wis.

Hot-Bed Sash, Too.



KING

Greenhouses

**LIGHT,
STRONG,
LASTING.**

The Three Prime Qualities.

**Iron Frame.
Semi-Iron Frame.
Private Conservatories.**

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

*Write for Bulletins and
Question Blank.*

King Construction Co.,

Home Office and Works:
NORTH TONAWANDA, N. Y.

Boston Office:
**Winthrop Bldg., 7 Water Street,
BOSTON, MASS.**

Eastern Sales Office:
1181 Broadway, NEW YORK

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

**JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J**

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastlen for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS.—Cleaner, better and cheaper than ice. Also "HYGIENE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cape Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Hammond's Thrip Juice No. 2

For the Destruction of Sucking Insects and Caterpillars, Slugs, Aphides, Red Spider and Mealy Bug.



In 1883, twenty-nine years ago, we made this preparation for the use of a grape grower, Mr. Floyd Quick, of Fishkill, N. Y.

The Thrip is one of the most bothersome of insect pests, because the moment the plant is touched, off goes the Thrip.

Thrip Juice No. 2 is diluted for general use thirty to forty times with water. The late Isaac Wood, Florist, of Fishkill, N. Y., used it for Mealy Bug and Red Spider. This article was purchased by a druggist in Jacksonville, Florida, the late Dr. James A. Farley, who was Secretary of the Board of Trade. He found it effective against the Orange Scale. Upon trial in Florida we changed the formula, making another grade, which is Thrip Juice No. 1, and is arsenicated. This was tried out in Lake County, Florida, twenty-five years ago, and has been in use there yearly ever since. This Thrip Juice No. 1, by the growers, is used with a very great dilution. It is exported to the West Indies.

No. 2 Thrip Juice has been in use for twenty-nine years. The past two years there has been a steadily increasing demand, as it is becoming better known. If any Florist wishes to test **Thrip Juice No. 2**, and will pay the expressage, we will send him a sample for trial, because we know there is "No Magic in Killing Bugs," and it is the general average of success that proves the practical lasting value of any article.

Hammond's Paint & Slug Shot Works

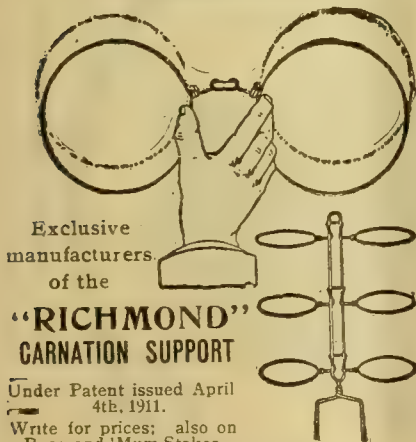
Established 1875.

FISHKILL-ON-HUDSON, N. Y.



EAGLE MACHINE WORKS

RICHMOND, IND.



WE ARE SPECIALISTS IN

**Greenhouse Glass
Paints & Putty**

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
1220 State Street, Erie, Pa.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

ARE YOU SATISFIED?

Have you a Garland Trussed Iron frame house? Have you ever investigated them? Here is what Mr. Irving Dunford of North Olmstead, Ohio, says in his letter of **July 20th**: "Under separate cover I am sending you a picture of my new greenhouse which I promised to send you. **That greenhouse has doubled my business this spring.**"

On **July 30th** we received his order for another iron frame house. Why? Because he had investigated and tried our houses out. Write him and see what he has to say.

Do not delay your investigation. Write us to-day for information.

GEO. M. GARLAND CO.,

LOCK BOX S,

DES PLAINES, ILL.

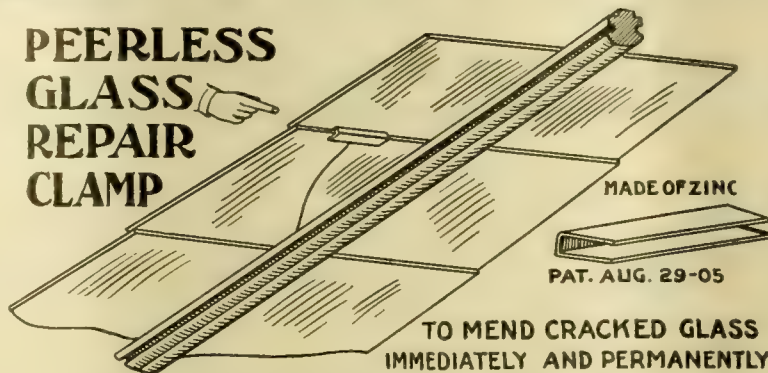
Mention the American Florist when writing

THIS IS WHAT YOU WANT TO ORDER RIGHT NOW.

IT TAKES BUT TWO SECONDS
TO APPLY THE

**PEERLESS
GLASS
REPAIR
CLAMP**

Ask Your
Dealer



All Dealers
Have It.

TO MEND CRACKED GLASS
IMMEDIATELY AND PERMANENTLY

Everyone that has used it has something good to say about it. We have over four hundred testimonials, all in its favor.

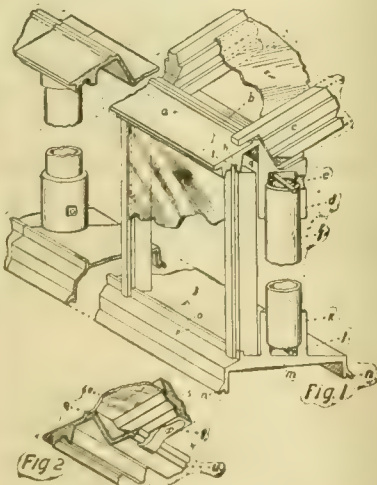
THE HANDIEST ARTICLE IN THE MARKET.

Box of 100, \$1.00. Address the Maker.

ALEXANDER KLOKNER, MILWAUKEE COUNTY, WAUWATOSA, WIS.

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof-bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

WHICH DO YOU WANT?

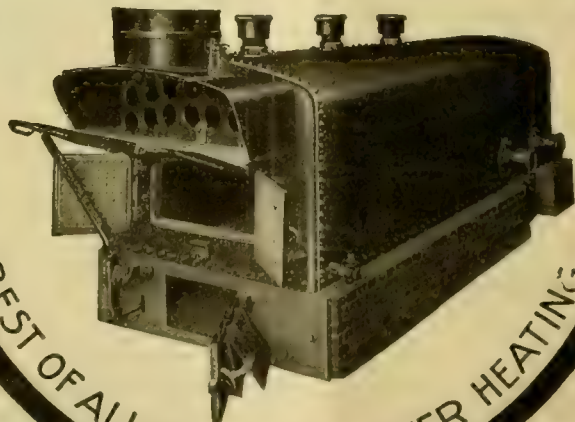
CAST IRON BOILERS—FOOL ECONOMY (false ratings, fuel waste, danger of breakdowns, dealers' profits), **OR**

KROESCHELL BOILERS—FUEL ECONOMY (honest ratings, safety, quick heat, no boiler pits, no dealers' profits).

NOT
CAST
IRON

NOT
CAST
IRON

THE
KROESCHELL
GREEN HOUSE
BOILER



BEST OF ALL FOR HOT WATER HEATING

CAN SHIP
ANY SIZE
AT ONCE

Telegraph
Orders at
our expense

KROESCHELL BROS. CO.,

452 W. Erie Street,
CHICAGO, ILL.

The Regan Printing House
LARGE RUNS OF
CATALOGUES

OUR SPECIALTY
WRITE FOR PRICES.

527 Plymouth Place,

CHICAGO

50% SAVED.
Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
13 S. Jefferson St., CHICAGO



WILKS Hot Water Boilers

ARE

**The Most Economical Boilers for
Heating Greenhouses**

Made entirely of steel and are fully guaranteed.

Have no cast iron sections to crack.

**NO NIGHT FIREMAN REQUIRED
WITH OUR SELF-FEEDING BOILERS**

**Very Economical in Fuel
Can Be Used with Hard or Soft Coal**

Send for our New Catalog and prices.

S. WILKS MFG. CO.

3503 Shields Avenue,

CHICAGO

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

Mention the American Florist when writing



SIEBERT'S ZINC
Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists,
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

**VAUGHAN'S
PERFECTION
POINT**

No. 2. Large single thick glass.
No. 2 $\frac{1}{2}$. Double thick.
Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.
VAUGHAN'S SEED STORE
Chicago, New York

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets,
PHILADELPHIA.

**VENTILATING
APPARATUS**



This is but ONE of those famous

"Red Devil" Glass Cutters

that the skilled glazier uses and if the glazier uses it you should also. You want to cut your glass as quickly and satisfactorily as the skilled glazier does. He has no breakage because he always insists on "Red Devil" glass cutters. We want to convince you that genuine "Red Devil" glass cutters have no equal, so send us five 2c stamps and one sample of No. 023 "Red Devil" shown above will be sent you postpaid. (We make over 3000 different "Red Devil" Tools.)

SMITH & HEMENWAY CO., - - 501 Chambers St., New York, U. S. A.

Pecky Cypress Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.
Edgewater and Rosehill Branch: Baltimore Ave. and C. & N. W. R. R. Tracks, CHICAGO.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,
Phone Canal 880
22nd and Lumber St. CHICAGO

**Peerless
Refrigerators**

Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

Aphine

*The Insecticide that
Kills plant Lice
of every species*

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR. POSTPAID.

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of
LUSTY CHRYSANTHEMUM BLOOMS.
Ten pounds, \$3.00; Twenty-five pounds,
\$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

BURNED CLAY
TILE BENCHES and TILE BOTTOMS
Give results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottoms and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Kramer's Pot Hangers

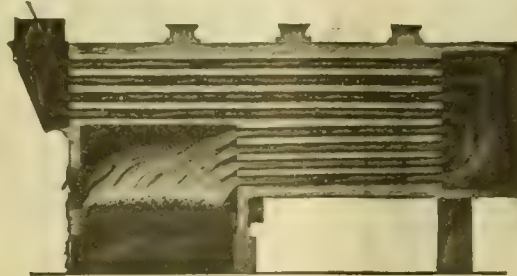
For sale by Wholesale Seedsmen, Florists
and Supply Dealers.

Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO.,

Richmond, Ind.

GREENHOUSES.

MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE ART STEAM LUMBER CO.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

green Flies and
Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.



Pulverized or Shredded
Cattle Manure

Pulverized

Sheep Manure

Unequalled for Greenhouse Fertilizing.

Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago

The Early Advertisement Gets There.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price, ... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

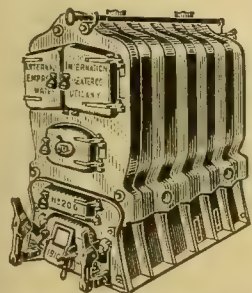
That every one may know the superior
qualities of the

Mastin Spraying Machines

We will sell for a short time
F. O. B. Chicago, Ill., **Cash
to accompany the order**,
one 3-Gallon Mastin Steel
Spraying Machine Complete
for \$4.97, and give you one
Mastin Whitewash Nozzle
and one Extension Rod.
Free. Regular price \$7.80 for outfit.
Write name and address plainly. Cash
must come with order.

J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



Describe a
**First-Class
Greenhouse
Boiler.**

Fuel capacity
for the longest
winter.
Simple enough
to be fool proof
and conservatively
rated.

That is the
**INTERNATIONAL
Empress Boiler**
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO. UTICA, N. Y.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

REED & KELLER,

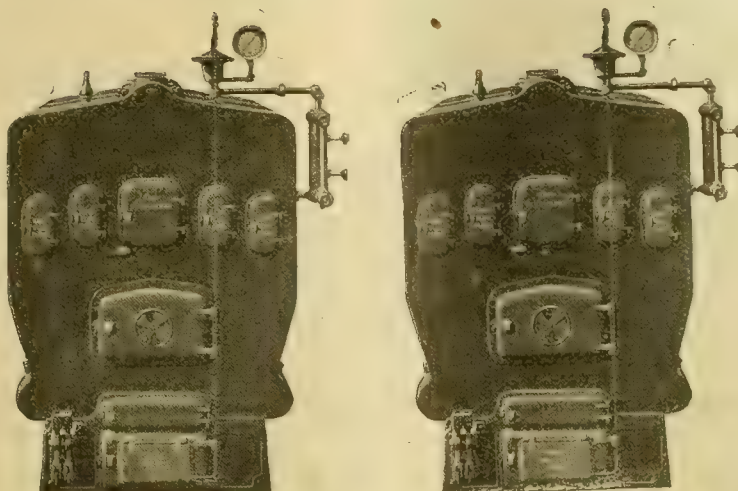
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing



**Answer to How Large a
Range Hitchings' Boilers
Will Heat.**

THESE two Hitchings No. S-36-10 Steam Boilers, connected
in battery, will supply 12,520 lineal feet of 1¼-in. pipe,
which would heat a range of 37,560 square feet of glass to
a temperature of 60 degrees at night with mercury outside at zero.

They can be more economically operated than one large
boiler. In medium cold weather, when only half the radiation is
required, you fire only one of the boilers.

For ranges larger than mentioned above, Tubular Boilers
have a certain advantage.

For ranges of this size or less, Hitchings' Cast Iron Sectional
Boilers have a distinct economy, both in the erection and operating
costs.

To be sure you are surely right before you buy a boiler,
first let's talk about the boiler you think you want, and then we
will get right down to rock bottom facts and see whether it's a
steel or cast iron boiler you really ought to have. Our sixty
years' reputation in greenhouse heating is your guarantee that
Hitchings' advice is surely, sure sound advice. Send for our
representative at once and talk the situation over.

P. S.—We are now installing at the Peter Henderson Co.,
Jersey City, N. J., 2 No. S-36-10 Steam Boilers to heat 21 green-
houses, and one S-36-8 Steam Boiler to heat 12 greenhouses.

Hitchings & Co.

Elizabeth, New Jersey.

H. BAYERSDORFER & CO.

**Florists'
Supplies.**

1129 Arch St., PHILADELPHIA, PA.

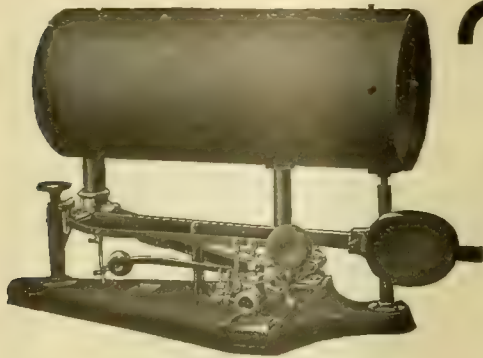
Send for our new catalogue.

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.
Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

The Early Advertisement Gets There



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatam, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

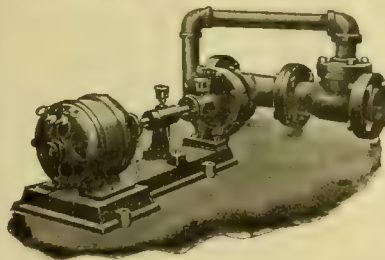
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA

THE AMERICAN FLORIST



America is "the Prow of the L'essel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, OCTOBER 19, 1912.

No. 1272

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Roman Hyacinths.

The early Roman hyacinths should be well enough rooted to bring them into the houses. These early bulbs will require a little more heat than those that are forced later, when more time is given them to form good roots. A plan often adopted by growers of early bulbs is to place them under the benches on the heating pipes when first brought into the house. Where hot water circulation is in use the boxes can be placed directly on the pipes, but with steam pipes it will be necessary to place pieces of wood or other material on the pipes, at least two inches thick, to protect the roots from the intense heat radiated by the steam pipes, and the boxes carefully watched to see that they do not dry out at the bottom. Make weekly plantings of Roman hyacinths in order to keep up the supply of flowers. Place some of the bulbs in bulb pans—a few of these will prove very satisfactory for house decoration, and if not used for this purpose the flowers can be cut the same as from boxes. It entails but little more labor to grow them in pots and at times they are very useful as a pot plant.

Poinsettias.

The crucial period in the growth of poinsettias is now at hand, and if the plants are in good condition there should be no difficulty in bringing them through all right. Steady firing can now be depended upon to maintain the proper temperature. Until the bracts are well formed, keep an even temperature and while these are forming avoid all draughts as much as possible. If the house is kept uniform at 60° at night with a rise of 10 degrees during the day there will be but little trouble with the leaves dropping, but a fluctuating temperature will surely result in plants with bare stems. As soon as the bracts form tie the plants to stakes so as to support the flowers and have the plants erect. As many of the plants are used for home decoration a neat green painted stick adds to the attractiveness. The early struck plants and those that are grown in

benches for cut bloom will be greatly benefited by watering with liquid manure. Do not make it too strong at first. Begin with a weak liquid once a week and increase the strength, but after the bracts are fully out discontinue the watering with liquid manure or the color may be affected. The small plants should be placed in pans at once, if not already done. They can be easily sized up now to make a fine appearance—a taller one in the center and shorter ones on the outside of the pan makes the best appearance.

Lilies.

The lily bulbs will soon be here and preparations should be made to handle them immediately upon their arrival. There is no time to waste in order to have this crop in the best of shape for Easter, especially with the bulbs that are imported from Japan. Whichever way the bulbs are to grow, whether in 4-inch or 6-inch pots, it is necessary to have pots enough on hand to pot them all up at once, and a pile of good, rich soil all ready, so that there will be no delay. The rapid potting of these bulbs by some growers is done as follows: The 6-inch pots are placed touching each other and then filled about half full of soil, the bulbs are then placed on the soil and the pot filled in nearly to the top and watered. This can be done in this manner very rapidly and there is but very little handling of either the pots or bulbs. After the bulbs are in the pots they should be buried outside until good, strong root growth has taken place, the success or failure of the crop will mainly depend on having the bulb make good roots early. A frame that can be covered during excessive wet weather is the best place for these plants until they are brought into the houses. If the weather becomes very cold and severe the frames should be covered with sash or the beds have straw or some other protection thrown over them. If kept cool the bulbs will make strong roots before the top starts to grow, yet the ground over them should not be allowed to freeze or damage will be done. The giganteums for Christmas should now be growing

Index to Advertisers,
Page 778

Ready Reference Advs.,
Page 779

Help and Situations Wanted,
Advertisements,
Page 749

nicely and the buds should show about November 10. If they do not appear by that time a little extra heat will be necessary to have them in on time.

After Chrysanthemums.

The early chrysanthemums are now through flowering and the space that they have occupied should be made of use by a growing crop. The soil in which they have been grown should be removed. It is very seldom that a good crop of any flower can be grown in the soil that has produced chrysanthemums. While it looks to be all right and often has much manure in it that the chrysanthemums have not taken up, yet our experience has been that the soil will not grow a succeeding crop. It is better to throw it out in a pile where it can be subjected to the sweetening process of nature. The stock plants of the chrysanthemums can be selected and blocked up closely together and the surplus stock sold, and the space made ready for a following crop. Many growers frequently ask what can be grown to follow chrysanthemums. It depends greatly upon what the trade demands. Where the early frosts are not severe, the single violets are left in the field and planted in the beds, but in the northern section of the country the weather is often too severe, the plants being badly frozen and will not recover until mid-winter. Plant growers will require the space for the growing plants and the lilies where planted early can be moved into the benches. Sweet peas make a good crop in these beds for spring blooming. If the seed is planted in pots in October and then transplanted to the beds early they can be bloomed in March. There are a number of annuals that can be profitably grown, such as Bachelor's Buttons, and stocks, or early blooming herbaceous plants like Canterbury Bells, and Coreopsis lanceolata, which will give an attractive assortment of flowers in early spring.

Antirrhinums.

The antirrhinums for winter and spring blooming should be planted out in the bench at once if not already done. To have good long, large spikes the soil should be rich, fully as strong as that used for rose and carnation culture. Set the plants 12 inches apart each way and as soon as the long shoots begin to grow place a strong stake to each plant and keep the plant tied to it as fast as it grows. A night temperature of 50° is the best for the winter culture of this plant; if grown much cooler than this they will not bloom until early spring, and if warmer the spikes and flowers will be of inferior quality. While the white antirrhinum is the most in demand, for it cannot only be used as a decorative flower but also arranges beautifully in sprays or funeral work, yet the pink is also much in favor for both purposes; the yellow also is very popular as a cut flower and in decorations, but the reds and other colors should be grown in small quantities, for they are not popular with many of the customers. With the exception of keeping the plants tied erect they will not require much attention until they begin to bloom.

BOSTON, MASS.—Thomas F. Galvin, a well known local florist, sued Mayor Fitzgerald for \$4,500 for flowers he alleges he sold to the defendant and for which he says he has received no pay.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Horseshoe Corsage Bouquet.

To be used as a corsage the horseshoe must be made very small; use the tiniest of rosebuds and other accessories as required. This may be used to good advantage as a favor for a "hunt club" dinner. In connection herewith a centerpiece representing a hurdle or water jump may be effectively arranged. In the latter instance mirrors can be used where a real water arrangement could not be made for obvious reasons. H. E. K.

The Garden Forget-Me-Nots.

For the center of the table use a large fancy china basket or an ornamental vase, massing in it the forget-me-nots, arranging them in pyramid style with comparatively no green. Place this on a mat of forget-me-nots in which maidenhair ferns or asparagus can best be placed. Take two large white sea shells, fill with moss and arrange with forget-me-nots, but rather flatly. Allow a great deal of the shell to show and do not employ greens for this purpose. Around this entire centerpiece use a garland of maidenhair ferns, allowing a space between the shells and the garland in which to place the swans of china, which should also be arranged with forget-me-nots in a pretty loose effect. The swans should be so placed as to give a pond effect as much

as possible. Placing them on a mirror will be most effective. A pale blue ribbon extended from each swan to the guest plate on which the name has been printed with silver is good. A tiny garland of forget-me-nots can be run along the side of the ribbon to give it a better floral effect.

This also offers a fish dinner suggestion by using dwarf palms banked in the center, finishing at the edge with a low bank of maidenhair fern and using a large leaf of the maidenhair for a flat effect on which to place two lobsters—one of the cooked variety and the other natural—in order to lend it color. These can be finished with opened oysters. Use red roses for boutonnieres and corsages. This can be still further offset by garlands of red roses strung from fixtures above the table, from which a large fish made of red roses can be suspended, using tiny electric lights around it. A. E. K.

The Green Table Decoration.

Just at this time a green table decoration is most appropriate made of the garden grasses. Stretch a mat of maidenhair ferns across the table. This must be light and daintily made. At either end place a tall green Venetian vase filled with the garden grasses—banking around the foot a ruche of maidenhair ferns in a full and graceful mass. As favors use cabbage leaf china dishes or those in the shape of a lettuce leaf, which can be secured in nearly all of the larger department



HORSESHOE CORSAGE BOUQUET.

By Henry E. Klunder, Chicago.



Corsage of Cattleyas and Lily of the Valley.
Exhibited at University of Illinois.

stores, fill with green mint candies and tie with green ribbons. Tie rolls and napkin with green ribbons on which the name of the guest has been printed in silver. Use green glasses for the service.

Another suggestion along this line is the giant mignonette arranged in the center, using Japanese bowls in place of the tall green vases. Cluster pink asters around the base of the bowls or vases, using generously of asparagus vines. Finish table with sprays of mignonette where most effective, laying them flat on the table. Orchids arranged on a bed of maiden-hair ferns are always rich, and if the cattleyas are employed pink and lavender sweet peas will look pretty as a garland around the table or encircling the table at the center, using maiden-hair generously around the edge. Corsages made of the pale shades of lavender sweet peas, with an orchid in the center, made pyramid style, are excellent.

A. E. K.

Corsage Bouquets.

The increased demand for corsages at the florist stores of prominence has been very marked during the last few years, and many of the larger stores now have on hand different bunches all made for immediate delivery, and the best designers are showing much artistic ability in putting up these beautiful arrangements for personal adornment. It was not so very long ago that party flowers were almost always bouquets which were carried in the hand, and if flowers were worn upon the gown there were but a few roses or other flowers loosely fastened on. The wearing of violets, however, which were, of course, made into bunches, was about the first arrangement for this purpose, and then to these were added the many supplies for ornamenting the bunches, such as cords and ribbons. To the violets were added the roses and orchids and then came the demand for corsages entirely of orchids, roses, sweet peas and other flowers, which were arranged with appropriate fittings by the most artistic

designers in the business, and some very beautiful creations are now daily supplied to the customers of the best stores. It is no unusual thing, during the height of the social season, to see two or three of the best floral workers in the large stores during the late afternoon and early evening arranging corsages of the different flowers for the evening's wear.

At the recent exhibition of floral designing which was displayed at the University of Illinois by the students who had taken the course in floriculture and floral arrangement, corsages of different flowers were shown and they were greatly admired. While the larger number of these corsages are made of the choicest flowers, yet all the flowers that the florist has in his varied stock are used more or less in this class of work, excepting a very few, such as callas and like subjects, which are more fitted for other purposes. Orchids, roses, carnations, violets, sweet peas, gardenias, narcissus, lily of the valley, marguerites and all the smaller flowers are used at different times and for different occasions,



Corsage of Carnations and Adiantum.
Exhibited at University of Illinois.

and it has become one of the first necessities of the up-to-date designer to be able to arrange artistic corsages.

The White Ball Room Decoration.

In the center from the chandelier suspend white Liberty silk in the shape of a cross and on which white marguerites have been sewed, edging it with sweet peas, using asparagus vines in full bunches on each end looped up, and allowing long streamers of the asparagus vines to droop from the corners of the drape in which tiny showers of white sweet peas have been arranged. Arrange the ceiling in asparagus vines. In each corner place a large basket wheelbarrow and fill these with white hardy hydrangeas, using tall palms for the background. Tie a large white satin rosette on the other handle of each wheelbarrow. For walls, use large flat wallpockets filled with white hydrangeas and foliage. About

three for a long wall would look best if the ballroom is moderate size. Connect these pockets with garlands of white daisies or marguerites, using profusely of the asparagus vines.

If a wedding decoration is to be made, make the bridal stand a dome shaped canopy of the white hydrangeas in pyramid style, using tall palms for a background and curtains of marguerites for either side, tying these back loosely with white satin ribbon. Arrange in front a priedieu of marguerites. If little flower girls are to be included make for them two huge pink satin shells tied with ribbons on either side so that two flower girls can handle them with comfort and arrange in them tiny bouquets of sweet peas, marguerites, and white roses. These are intended to be scattered. For the bridesmaids a pretty suggestion would be the new Japanese Panama shopping baskets. These are very dainty and will look beautiful if lined with white satin, arranging the outside with sweet peas. Use a white satin ribbon to loop over the arm. For the bride there should be a white orchid bouquet combined with white sweet peas or lily of the valley, or orange blossoms.

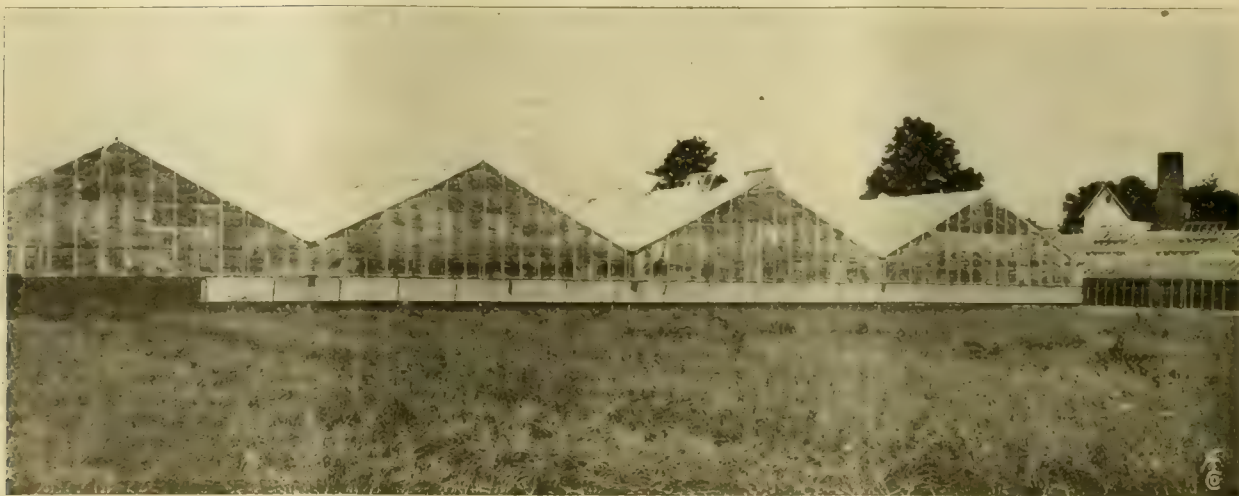
A. E. KLUNDER.

Hongkong Ginseng Market.

Hongkong ginseng dealers report improved conditions in their market over the discouraging situation presented early in the current year. Imports of the root from the United States have been in fair volume, but at the same time the comparatively large stocks on hand about the time of the Chinese New Year have been reduced, being placed at 10,666 pounds on August 1, as compared with 22,000 pounds the middle of February and 18,666 pounds at the same time last year. Prices on the whole have advanced slowly though not radically, the present average price for an average of all grades being about \$8.11 gold per pound. Fluctuations during the past two months have chiefly been in the finer grades, running perhaps \$1 gold per pound as a maximum rise.—Daily Consular and Trade Reports



Corsage of Sweet Peas.
Exhibited at University of Illinois.



GARLAND'S MOVABLE GREENHOUSES.

A. J. Stahelin's Range at Redford, Mich., After Moving, Showing Winter Crop of Carnations.

Garland's Movable Greenhouses.

A good idea of the advantages of the movable greenhouse might have been gained a week or two ago by a visit to the range of A. J. Stahelin, Redford, Mich., where the process of moving was taking place. The houses are the product of the Geo. M. Garland Co., Des Plaines, Ill., and are eight in number. Each house measures 173 feet in length and the four built in 1911 are 35 feet wide, while the four built previously are 35 feet and 11 inches wide. The size of the glass is 24x26 inches and the houses were moved into position last year without a break. The manufacturers thought at the time that this might have been due to the fact that the houses were newly glazed, but this year there was the same result and all eight structures were moved without breakage. It was found that the construction is so rigid that each house could be moved into position by five men pulling from every other gutter post.

The Stahelin range will afford shelter for 60,000 carnation plants this winter, the varieties grown being White Enchantress, May Day, Beacon, Winona, Sangamo, Mrs. Ward, Rose Pink Enchantress, Rainbow, Gloriosa and Benora. Mr. Stahelin claims that the movable style of construction has many advantages. He says the running gear and the erection of the movable portion cost less than benches and that they will last indefinitely and there will be, of course, no benches to rebuild. The carnations are planted in the spring in the place where they will remain all winter. This eliminates the work of transplanting in the fall. There is no changing of soil and Mr. Stahelin says that the soil which is turned over in autumn and exposed to the weather all winter is in better shape to receive a new lot of plants after replotting and manuring in the spring than soil hauled in from benches. The growth of the plant is not retarded by having its root system partially destroyed as in transplanting, and a heavier and earlier crop is thus assured. The plants may remain outdoors longer and are hardier. The flowers can be cut during the entire twelve months or until the frost kills the plants, whereas by the old method



GARLAND'S MOVABLE GREENHOUSES.

Greenhouse of Geo. E. Browne, Greenville, Mich., During Construction and Before Moving, Showing Field-Grown Plants in Bloom. Size of House, 28x100 Feet.

they can be cut for only about nine months in the year. Stem rot often caused by bruising during transplanting is lessened by this method.

The Stahelin houses are heated by 14 runs of 1½-inch pipe. The heating and watering systems are both carried overhead so that when the time comes to move the houses all that is necessary is to disconnect the main and return and also the water service pipe at one end of the houses and connect it on the other end, about half an hour's work. The side doors are carried down within four inches of the ground line, the space at the bottom being closed by banking with manure. The ends below the sill are hinged and raised to allow the houses to be moved over the carnation field. A very crude method was used in moving the houses this year, though the time required was but 10 hours. The Garland Co. expects to do such work in the future in about two hours with an improved rigging system.

The accompanying illustrations show the houses being moved over the carnation plants, the four of most recent



H. S. Garland

(1) of the Geo. M. Garland Co., Des Plaines, Ill.



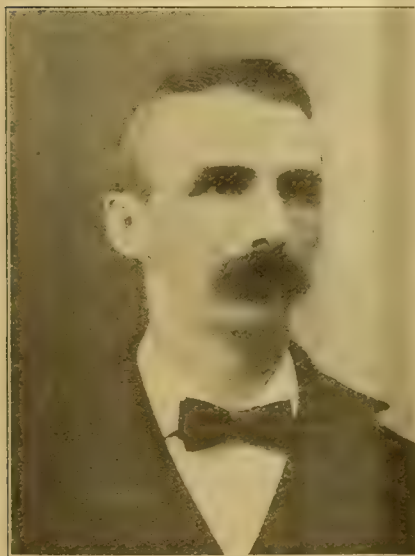
GARLAND'S MOVABLE GREENHOUSES.

Range of A. J. Stahelin, Redford, Mich., During Moving Process.



GARLAND'S MOVABLE GREENHOUSES.

Interior of Stahelin Range at Redford, Mich., After Moving.



Geo. M. Garland

Of the Geo. M. Garland Co., Des Plaines, Ill.

construction leaving the plants which they sheltered last year. Mr. Stahelin has been cutting right along and has realized a nice profit from sales since last June, at which time other growers begin to discard plants and get ready to plant in new stock. The picture which shows the interior of the range gives a good idea of the movable system. The one illustrating the separate greenhouse in course of construction was taken at the farm of Geo. E. Browne of Greenfield, Mich., another grower who prefers the Garland construction. The illustration shows the ironwork up ready for the woodwork. The rail on which the house is moved is also shown.

Good Crops and Good Times.

Among the many prophets who have lately been predicting a return of business prosperity there is one whose voice speaks with special authority. We refer to the Agricultural Department at Washington, whose recent announcement that the crops throughout the United States promise to be of unusual abundance will do more to stimulate confidence in the business world than any official announcement that

has emanated from Washington for many months past. Not that the Agricultural Department has made any definite prediction of a revival of business, for that does not come within its province; but it is so generally understood nowadays that thriving agriculture is the basis of general business prosperity, that the announcement of a "bumper" crop has come to be taken as equivalent to a prediction of a prosperous year.

The estimate of the probable crop for this year presents an imposing and encouraging array of figures. The wheat crop, which is estimated at over 700,000,000 bushels, should bring to the farmer over \$600,000,000. The corn crop, which is estimated at nearly 3,000,000,000 bushels, has a farm value estimated at \$1,350,000,000; while the value of the oats crop, which will reach the highest figure in the history of our country, or 1,290,000,000 bushels, is not far short of \$400,000,000. Adding to this the value of the crop of rye and barley and the other multitudinous farm products, it is estimated that the value of the product of our farms at present prices will be over \$7,000,000,000. Not only does this vast sum benefit the farmer by swelling his bank account or by enabling him to lift his burden of mortgage, but the moving and disposal of the crop will bring proportionate wealth in other directions; to the railroads for transportation, and to the steamship companies for carrying the surplus abroad; to the owners of the elevators, a vast industry in itself; to the owners of the huge mills that turn it into flour, and to the buyers and brokers who bring producer and consumer together.

Nor does the stimulus of plentiful crops end with the mere matter of their sale and distribution. The farmer himself becomes a large purchaser of agricultural machinery, and the general improvement of his farm by the construction of new buildings, the construction or renewal of fences, to say nothing of the purchase of automobiles and additional luxuries for his home, not only directly stimulates business in a wide variety of trades, but, indirectly, reacts strongly in stimulating that revival of credit and confidence which is essential to any lasting prosperity.—Scientific American.

THE ROSE.

New Roses to Date.

By E. G. Hill, of Richmond, Ind. Read before the Chicago Florists' Club October 10, 1912.

To prepare a paper as requested is a sharp turning of the current of thought that naturally runs chrysanthemum-ward at this particular season of the year, especially for one who has a kindly affection for the Queen of Autumn. Of course the rose has all seasons for her own and has no rival for supremacy at any time.

Your suggested topic has put me in a reminiscent mood and my mind has run back to my earlier days when Safrano, Isabella Sprunt and Niphotos were the three, and practically the only sorts that were at all amenable to forcing methods.

We all know how extensively the above varieties were used in the seventies. Then Bon Silene was added by Boston growers and it held its own in the market with the above named varieties for several years.

I well remember unpacking Catherine Mermet from a box of new roses received from France, and how this variety was taken up and forced by the Madison and other growers adjacent to New York city. Perle des Jardine shortly made its advent and has had a goodly share of popular favor even down to the last year or two. Souvenir d'un Ami, Macapucine and Elise Vardon were tested by a great number of growers but in small quantities. Mme. Cusin and its sport, Mrs. Pierpont Morgan, entered the arena and together with Mme. d'Watteville were classed as fancies. Then Catherine Mermet sported white and gave us the Bride, and a little later Bridesmaid came, another sport from Mermet, and these two took practical possession of a large portion of our forcing glass for a great number of years.

One interesting matter about the sporting of the Bride was its appearance almost simultaneously with two New Jersey firms, one at Maywood, the other at Madison. If I remember correctly, John N. May paid James Taplin two thousand dollars for the stock of the white sport named Bride.

Then came others, Papa Gontier, Princess Beatrice and Mme. Hoste. It might be of interest to mention that Robert Craig and myself cabled for ten thousand plants of Gontier, and what a consignment it was! It had been worked on some kind of stock grown along the Mediterranean. Most of it was from a half inch to three-quarters of an inch in diameter; they proved fairly satisfactory, however.

Our investment in Princess Beatrice was at considerable loss, as it would not force. Henry Bennett, of England, had taken up the hybridizing of the rose and we of the earlier days well remember the advent of Wm. Francis Bennett, Mrs. John Laing, Puritan, Duke of Connaught and Meteor. We all remember how keenly interested the growers were in these introductions of Henry Bennett.

American Beauty was a discovery made at Washington and to Geo. Field is due the credit of its commercial standing of today. It is very unfortunate that this king of forcing varieties lost its original name, and has never been identified with its raiser, Ledechaux, who deserves a monument from Americans.

Belle Siebrecht and Liberty were enthusiastically received but through certain faults discovered as time went on were dropped; Sunrise and Sunset have had a fitful popularity. We note that all these roses came and were popular for a longer or shorter time, but with the exception of three or four they have dropped entirely out of the forcing list. All this apparent wreckage and loss only serves to teach the lesson that novelty and variety are absolutely essential to the successful prosecution of our trade.

Richmond is filling a want, but is not ideal, for with many growers it is not profitable, and it will be supplanted by the first red that betters it, though we prophesy that no grander red rose will ever appear than a perfect Richmond.

In these later years Mrs. Jardine, Rhea Reid and Cardinal have found favor in some quarters but they are each lacking some points that go to make up a successful and also a profitable variety. The advent of Killarney was an awakening to the trade



E. G. Hill.

and it has had a great run of popularity and deservedly so. The variations have also found favor, especially White Killarney. This winter will decide the fate of Killarney Queen and of the Double White form. I believe that our firm was the first to grow Killarney in America and we had a considerable planting of it, but every grower who visited our place condemned the variety as being too single, though exquisitely beautiful. One day Robert Craig came along and decided he would like to try it and some of our stock was sent to Forty-ninth and Market streets, but it was again turned down for lack of petalage. Finally the rose came under the eye of Benjamin Dorrance and you all know the results obtained at Wilkesbarre. At almost the same time John Frederick Sullivan of Detroit discovered its fine points and was also very successful in making it popular.

Of late the demand for a good yellow rose has been insistent over the country and Melody, Lady Hillingdon, Mrs. Aaron Ward and Sunburst are all applicants for first places. Lady Hillingdon has warm admirers, and is a grand cold weather rose, with wonderful freedom of growth and blooms.

The ladies rave over Ward, and no wonder, while we feel sure that Sunburst will stay with us for many a day on account of its strong growth and freedom, and beauty of bloom. We are debtor to Pernet-Ducher for both it and Mrs. Ward.

Radiance, another of John Cook's seedlings, is greatly liked and is grown in considerable quantity; it is deliciously fragrant.

Antoine Rivoire is immensely popular in many parts of the country. It is unfortunate that it should have been renamed Mrs. Taft.

One of the new varieties about to enter the arena is Milady raised by Edw. Towill of Roslyn, Pa., and purchased by A. N. Pierson, Inc. This was seeded from J. B. Clark X Richmond and has great vigor and good health. The writer saw this in growth last winter and was quite favorably impressed with its shapeliness and vigor. This rose has been exhibited recently and has received favorable notice. We shall have the privilege of seeing it this autumn as it is to be extensively exhibited at all the fall exhibitions and florists' club meetings.

The writer had the pleasure of viewing 25 blooms of Mme. Chas. Russell last Saturday in the flower shop of Fred Lemon which had been sent by the raiser, Alex. Montgomery, for inspection. The flowers were larger than American Beauty and were indeed magnificent in form and substance; they were on stems three feet long and held erect; the color dark rosy pink, or so it appeared to the writer—not unlike the color of a good American Beauty. What impressed me most was its fine form and its splendid keeping qualities. I do not know the parentage of this rose but it surely is close kin to American Beauty judging by its general make up. Mr. Montgomery is to be congratulated on producing such a fine rose.

No. 190 as exhibited and grown by C. H. Totty and the E. G. Hill Co. is a most remarkable rose, stronger even in growth than Radiance, making long strong stems. Its flowers are of fine shape and great size. Its ever blooming qualities put it in the front rank as a fine forcing variety. The color is rich rose pink, a most brilliant and pleasing one. The ladies of Indianapolis have taken a great liking to this rose and mostly prefer it to Killarney.

As to roses in Europe, the writer saw a great number of very interesting and promising novelties, but whether they will force or not is a question. A rose grown in Europe under their more genial conditions is quite different from the same sort as cultivated under our brighter sun and in our drier climate. One can but wonder why there should be this immense difference for often a British rose is hardly recognizable as the same in America.

In mentioning the names of the newer roses as seen in Europe I shall simply describe them from the garden or European standpoint. I should place British Queen as one of the very finest and most promising of all white roses. It is large in size, of good growth and shapely in form. The two thousand plants all in bloom furnished a wonderful sight, every flower perfect and of a pure white. This rose impressed me as being most remarkable.



ROSE MME. CHARLES RUSSELL.

At the Waban Rose Conservatories, Natick, Mass.

Colleen was ideal in form, of great depth, and showed a close relationship to the famed Killarney. Old Gold was, as the name indicated, deep gold and dark yellow, of medium size but with shapely buds and not over full. This is worth a trial in our forcing houses.

At Lowe & Shawyer's, Ltd., were seen great blocks of Hillingdon, Richmond and Joseph Lowe, grown both inside and in the open. If I remember correctly they had 50,000 Richmond in one block; they bud these sorts on stocks in the open and put sash shutters over them just as they are growing in the open ground. These plants thus treated flower from early May until July, which covers the London season.

The roses at Lyons are produced with the one purpose of bringing novelty into the rose garden. Roses are not grown to any extent under glass in France as we practice it in America, hence the characteristics of a forcing rose are not often discovered, but the idea is to get a full, free-flowering novelty that will embellish the garden. Among these garden roses there could hardly help being some varieties that have the necessary forcing requirements, but nothing but a test on American soil under glass can demonstrate this.

Notice has been made in our trade papers of the fine varieties from Ly-

ons shown at the great English exhibition: Mme. Herriott, unlike any other rose on land or sea, a coppery red with long pointed bud. The visiting rose lovers went wild over it. Its sister roses, Willowmere, Mrs. Beckwith and Constance are all beautiful and unique in color and one or more may hold within them forcing requisites.

The three great Irish firms, Samuel McGredy of Portadown, Hugh Dickson of Belfast, and Alexander Dickson of Newtownards are testing thousands of seedling roses annually and of this great number we shall certainly get varieties that will enrich our forcing lists. The raising and testing of new roses is a very expensive process and entails careful, painstaking work to bring results. The uncertainty of the work and the space of time required to prove out seedlings is something that few people realize. The raisers and disseminators of new seedling roses are entitled to more charity and less censure than they receive.

A silk manufacturer at Lyons said to the writer when inspecting his factory the past summer, that originating new patterns, forming new combinations of color, changing machinery to produce new weaves, were absolutely essential to a successful season in the silk industry. I asked if

they always succeeded in pleasing the ladies; with a French shrug he replied, "Far from it—and the loss! But they must have the novelty!" So with the rose trade. What the cut flower trade needs today is novelty with sterling qualities.

Cross-fertilizing requires time and patience and is extremely uncertain of even first results. One must wait for the pollen wanted, or wait for the parent plant to bloom and be in condition to take the pollen. If the seed sets there are scores of hazards before the hip ripens; conditions must be watched for sowing it, and a hundred perils assail the tiny seedling from mice to mildew. Once safely potted, the little rose plants must be pushed on into larger sizes before a character bloom can be seen and it is only after a worthy seedling has been propagated and tested in quantity, throughout a full year or more, can its true value be estimated. The general grower is the beneficiary when a good forcing variety is obtained. When varieties disseminated in good faith prove disappointing, the grower should take his share of the medicine uncomplainingly, as the raiser has done before him, of loss of time and square feet of glass. These disappointments and losses are incident to the onward progress of commercial rose growing.

Very few novelty raisers are rolling over the country in Pierce-Arrows or Chalmers, you may note by observation, but many of the growers and wholesalers of cut flowers are much more fortunate.

Congress should give patent rights to a raiser of a new and meritorious plant or a new rose, and the grower should help secure such a law for then the stimulus to raise new plants and new roses would certainly result in attracting many more intelligent hybridizers to this interesting field.

To successfully care for the cut flower trade of America, to add to its volume, to heighten its interest, novelty must be added to its offerings each year.

National Association of Gardeners.

Paper read by M. C. Ebel, Secretary of the association, before the Morris County Gardeners and Florists' Society, Madison, N. J., Oct. 9, 1912.

Fellow members, the subject on which I am to address you this evening is one which has been quite a topic for discussion during recent months among gardeners and their allied interests. Some of these discussions have been very favorable to my subject, others detrimental. But the unfavorable criticisms came mainly from the uninformed. I refer to the National Association of Gardeners and its achievements in twelve short months. I will also relate as briefly as possible some of its aims.

A year ago some regarded this organization as a derelict without a rudder to guide it, but it still contained many staunch supporters who believed its superstructure sound, but who realized that new power must be instilled in order to have it reach the high pinnacle that it is destined to attain in the world of floriculture and horticulture. They became active, and with the progress it has made within the year, those most skeptic of its success a brief period ago, today concede that the National Association of Gardeners has become an influential power in the field it represents. It is not yet a year since its first convention, under the new charter, was held in this very town of Madison, and those who at that meeting pledged support are found to have been loyal to their promise. At the next annual convention, which will occur in November, glowing reports of what has been accomplished since its last meeting may be anticipated.

The association has built up a membership which practically includes every well-known gardener here in the East, while its roll extends from coast to coast. It includes in its list of associate members many men who won reputations in the ranks of private gardeners and who have since achieved success in the commercial fields. Its associate list also contains others influential in horticulture and floriculture and who rank first in their respective vocations. That interest in the association is not waning, but is constantly increasing is substantiated by a glimpse at the monthly reports of new enrollments in its membership. It is only commencing to grow.

What is the aim of the association? Is a question frequently asked. To this we answer: first, that the aim of the National Association of Gardeners is to raise the profession of gardening in this country to its highest pos-

sible elevation; second, to develop a closer and more confident relationship between estate owners and the gardeners; third, to inspire a fraternity in the profession whereby the ambitious and deserving may be aided to advance in it and whereby those detrimental to it may be gradually eliminated; fourth, to bring about a closer co-operation between the gardeners themselves, to create a greater expansion of achievements both in floriculture and horticulture; fifth, to gain for the association a reputation among those who require the services of gardeners, that membership in it will be recognized as a certificate of character and ability.

You may remark that all this sounds well, and ask how is it to be accomplished? Simply through persistent and patient effort. And when you look back on what has already been done in less than a year you cannot feel discouraged. It may be well here to refer to an impression which was at one time permitted to spread regarding the association and its relationship to the regulation of employment and wages. The N. A. G. must in no sense be confounded with that of a labor order. It recognizes gardening solely as a profession, not as a trade, and the control of wages and employment is entirely without its sphere. It does not enter into it further than believing that there should be a sufficient fraternal feeling between its members that when one may know of an opportunity by which another may improve himself, the hand of fellowship should be extended; but enrollment in the association does not carry with it an assurance of employment or wage betterment.

The benefit fund has been proposed, and while there are many much in favor of establishing a reserve to assist where actual distress may overtake a deserving member through sickness or worse misfortune, there is, however, most decided opposition to the creating of any fund for the benefit of the shiftless, who, when out of work may feel it incumbent on the association to provide for them. Black sheep exist in the fold of the gardeners as they do in the folds of all professions, and it is the intention of this association to discourage their affiliation, rather than to encourage it.

The point has recently been raised that the N. A. G. should exclude from its organization all but men who are strictly gardeners. The answer to this is that the control of the organization comes under the management of gardeners who represent the active membership. Those outside of the ranks of gardeners, those engaged in work allied with the gardening interest, represent the associate membership, and in this are included men who have grown up from the gardening profession to positions high in their respective commercial lines and whose advice and suggestions when offered to an organization such as ours should always be welcomed and considered, while they need not always necessarily be favorably acted on. Their interest in the association naturally is greater, even if only permitted "on the outside looking in" than if the doors were shut on them altogether.

Co-operation must be the keynote of the National Association of Gardeners.

More frequent use of the horticultural press for the interchange of views and experiments on what is accomplished by those of the gardening profession should be encouraged. The related experiment of one may solve the problem of another and aid in the further progress of that experiment. This would be one step taken towards advancing horticulture and would rapidly lead to others which would tend to arouse a greater interest in the minds of those who are sufficiently provided with the good things of this world but who have not yet been sufficiently "enthused" to turn to nature's grandest gift, the cultivation of flowers, for some of their enjoyment.

By right endeavor on the part of the members and the publicity which should come to the association in the natural course of events, it must gradually establish itself as an institution representative of the gardening fraternity which will exercise an influence and control similar to the national organizations composed of other professions and to which are entrusted the working out of the affairs for the good of the professions they represent.

It may be too soon to suggest what relationship the N. A. G. should hold to local gardeners' societies, but turn to other professions and you will find that every community has its active local body; these bodies all look to a national body and yearly delegates come together in convention gathered from the various local bodies to devise and legislate for the welfare of the entire profession, divided locally but nationally united. Thus results are accomplished and the various professions develop and prosper and so, sooner or later, the younger gardening profession must follow in the footsteps of these older professions. Our next convention will be held in Newark, N. J., on Tuesday, November 19, and everything indicates that this event will bring together the largest gathering of private gardeners ever assembled in this country. A large percentage of the gardeners present here this evening have already subscribed to membership in the national body, but this is not as it should be. It should be one hundred percent of membership, making the spirit of co-operation advocated among the gardeners no longer a mere theory, but an actual fact. And when this is accomplished the gardening profession will come into its own and prosper.

New Brambles.

Explorations in China during the last few years have added to our gardens a very large number of hardy trees and shrubs, some of which are of purely botanical interest, while others possess decorative qualities which warrant their inclusion amongst select ornamental subjects. Of several families which have received large additions from these introductions, the bramble or rubus family is one of the foremost, and a large number of new kinds is available. The various species differ widely in habit, says a writer in *Gardening Illustrated*, published in London, some having vigorous, upright branches, 15 feet high, others growing into sturdy clumps 3 to 4 feet in height; some producing long, slender shoots which require support, and others, again, rarely rising more than a

few inches above the ground. Several have distinctly ornamental foliage, the principal interest in others being their white or bluish bark. Peculiarity of habit marks some kinds as being quite different from that of others previously in cultivation, while the fruit of a few sorts suggests that with a little improvement they would be able to compete favorably with our garden raspberries and blackberries. In the hands of the hybridist the finer fruiting forms may also have a bright future in store.

Meanwhile they are planted for their decorative qualities, and there are numerous positions for which they are well suited. A pergola planted with the stronger-growing kinds and those with long, slender branches might be made very effective. Grouped in shrubberies or in the wilder parts of the garden they are very showy, while they may also be used in conjunction with other shrubs in the formation of general shrubberies. A word or two is necessary regarding cultivation, for, although the brambles are not fastidious as to soil, the best results are only obtained when good, rich loamy soil is provided, for as a rule they are gross feeders. The removal of the old branches as soon as the flowering or fruiting season is over is very necessary, for, as in the case of the raspberry, such shoots usually die, and if left untouched spoil the appearance of the bushes and interfere with the new shoots, which grow up strongly from the base. It is very necessary that such young shoots should develop in a free and unrestricted manner, for it is from the most vigorous branches that we may expect the best leaves and most ornamental bark. A peculiarity about the leaves is the habit those of many kinds have of apeing the shape of the leaves of some other shrub or tree, and in the ensuing notes reference is made to several such cases.

Rubus lasiostylus is one of the best-known of the various new Chinese kinds. Of vigorous habit, it grows from 8 to 12 feet high. The raspberry-like stems are clothed with whitish bark, which makes the plant very conspicuous in winter. There are many forms already in cultivation, differences in stature, habit, and fruit being noticeable. The yellow fruits of the better forms are juicy and palatable.

R. biflorus var. *quinqueflorus* is a glorified form of the whitewashed-stemmed bramble of North America. Growing at least 15 feet high, the stronger stems are as much as 4½ inches in circumference at the base. The white bark is quite as showy as that of the American kind. White flowers, each about one-half an inch in diameter, appear in May, and are succeeded by yellow fruits, which are not unlike those of the type.

R. bambusarum is an evergreen with long, slender branches, which require the support of a post, trellis, or bush. Its three-parted leaves are very distinct, for each narrow segment is dark green above and greyish beneath by reason of a dense mass of woolly hairs. Flowers and fruits are borne in large heads. The latter are black and small.

R. flagelliflorus is another slender-branched species. The leaves in this case, however, are not divided into leaflets, but are extremely handsome by reason of their irregular green margins and bronzy centers, the whole upper surface having a pretty velvety finish, the underside being pale buff.

For decoration it is quite one of the handsomest, although, unfortunately, it is not one of the easiest to grow.

R. corchorifolius differs from the previously-mentioned kinds by reason of its bushy habit. Growing about 4 feet high, its principal point of interest lies in the similarity between its leaves and those of the common *Kerria japonica*.

R. niveus is one of the most vigorous of the newer sorts. Growing at least 15 feet high, its strong stems are remarkable for their spines, which are pale brown, rather short and stiff, and completely surround the branches. The three-parted leaves are ornamental, but the flowers are not showy.

R. chroosepalus.—The most noticeable features about this species are its long, slender-green branches and ornamental vine-like leaves.

R. trianthus, an upright-growing kind, attains a height of 8 feet. The secondary branches, which are spreading and graceful, bear good-sized, white flowers in May, and ovate leaves, which have two well-developed lobes at the base.

R. flosculosus grows about 10 feet high, and forms rather slender, brownish stems, which produce large quantities of small, black fruits in July and August.

R. Swinhoei is chiefly remarkable on account of its leaves resembling those of the hornbeam, otherwise it has fewer attractions than several other kinds.

R. omiensis forms a strong-growing bush at least 12 feet high. Its leaves somewhat resemble those of a pelargonium in shape and coloring. The centers are marked with brown, and the margins are green.

R. Giraldianus is of trailing habit. Its branches frequently attain a height of 15 feet, and they are conspicuous by reason of their white bark. The rose-like leaves are pretty.

R. Veitchi also has rose-like foliage. It forms very strong, sappy shoots, which are apt to be injured by frost during winter.

R. parviflorus has been in cultivation for a longer period than the other kinds. Its branches are slender and spiny, and they grow together in a tangled mass. There is nothing attractive about the flowers, but the red fruits are very conspicuous and pleasant, although somewhat acid. It will probably prove useful to the hybridist.

R. irenaeus is remarkable for its long, slender, prostrate branches, which bear heart-shaped leaves each about 5 inches across. To be seen at its best it should be allowed to scramble over an up-turned tree-butt.

These are some of the more distinct kinds, but there are many more species, which may be obtained by anyone who contemplates extensive planting.

CHAMPAIGN, ILL.—Thos. Franks & Son are building a new greenhouse.

RIVIERA, TEX.—The Rio Grande Horticultural Society met here October 2.

GREEN BAY, WIS.—Carl Meier and wife celebrated their silver wedding anniversary, October 9.

WAYNE, PA.—Robert Le Boutiller is completing a large greenhouse and his brother will build a duplicate at Paoli.

NEVADA, IA.—Blackman Bros. are building a greenhouse 50x150 feet and making other extensive improvements.

LINCOLN, NEB.—This city will hold its annual flower, fruit and corn show during the entire week beginning Monday, January 20, 1913.

Boston.

ROSES COMING TOO FAST.

There was a slight reaction in the rose market the last of the week, attributed to the warm weather and the crops coming in too fast. The first cold snap we presume will make conditions better. Gardenias were somewhat scarce Saturday. Chrysanthemums are coming in freely. Some are very well grown. Carnations are improving.

NOTES.

November 11 will be the silver anniversary of the Gardeners & Florists' Club. On that night they will have a banquet. The banquets of the club have always been good and of course this will be no exception, and the oratory will be of high order. There have been many changes in the flower trade since the club started, but some of the first members are just as youthful as in the days of yore. Dust your claw-hammers and shake your kilts, boys, and come on. We heard that Craig and Cameron were to sing a duet on that occasion, and that they were to be dressed in real Highland costume.

Baseball and the coal problem have probably put the flower trade on the blacklist, but we hope to have our innings.

We have had no killing frost as yet.
MAC.

Cleveland Notes.

Chilly winds and cloudy skies are not conducive to a great output of indoor or outdoor flowers, and that is what we have had here for the past few days. The supply of roses seems better than at some other places, but there is no surplus. Some complaint is heard from chrysanthemum growers of the moth that lays its eggs on the leaf. The eggs soon develop worms which in some instances have done much damage. One grower said: "You can kill the worms, but you can't kill the moths." Here is a chance for our manufacturers of insecticides to help home industries.

There is quite a colony of florists near Woodland and all seem to be prosperous. Another of them is the veteran Gordon Gray. The phrase gardener and florist is sometimes misapplied, but it is not in the case of Mr. Gray. The idea that some florists seem to have of a garden is to have a lot of old bulb boxes and pipe scattered around as landscape decorations. The grounds around the Gray range are well laid out and even at this late season are beautiful with flowering stock.

John Blackeschmidt, who has a carnation range in the southeast section of the city, has a variegated seedling carnation, a cross between Lawson and Prosperity, which he thinks well of. His crop of flowers is handled by the Cleveland Florists' Exchange.

P. L. Roach of East 99th street who, by the way, is a bachelor, has been much concerned of late about the health of his aged mother. She is 80 years old.

Hart Brothers have a fine stock of plants at their Detroit avenue range. Exceptionally fine are their hydrangeas and begonias, Glory of Cincinnati and Gloire de Lorraine. Their father, Herman A. Hart, is yet an active man and he claims the distinction of being the original Cleveland subscriber to THE AMERICAN FLORIST when it was established in 1885.

Henry Eickhoff has a store on Woodland avenue and a green house on East Seventy-fifth street, where he grows fine plants. A feature, when we visited him, was a great stock of varie-

gated vincas which were being taken up and potted. He has a son who is an active worker in the greenhouses.

Henry Taylor of East One Hundred and Sixteenth street says that his sons found the flower business unsuitable for them and he will sell out if offered the correct figures. Mr. Taylor is a good mechanic, as the work of his range and particularly the pipe fittings show.

G. M. Naumann & Son, who have a retail store on Superior avenue and a range on East One Hundred and Twenty-fifth street, are now well fitted up for turning out their side line of glazing points which have been so favorably received by the trade.

Buckhart Bros. are building an addition to their modest range on Avon avenue. They deserve considerable credit for what they have done. Working in a foundry, they have, in their spare time, put up several houses and are now fairly started in business.

The Kirchners, who are located at Quincy avenue and East Sixty-seventh street, near Woodland Cemetery, have also a branch at South Euclid, O. They have a good range and are doing a fine business. T. J. Kirchner is manager.

Robert Addicott & Son are finishing a new greenhouse, 20x250 feet, which will give them a total glass area of nearly 50,000 square feet. A large part of their stock, carnations and chrysanthemums, is handled by the McCallum Co.

Fred Ponting, who is located on the Eddy road in what once was Glenville, but is now a part of Cleveland, has erected several new houses this season and now has a large glass area devoted to plant growing.

Knoble Bros. have recently held great fern sales at their store, 1836 West Twenty-fifth street. They have liberally patronized the advertising columns of the daily papers.

E. C. Rock, who by the way is a brother of Wm. L. Rock, the Kansas City, Mo., florist, has a retail store opposite Woodland Cemetery and is doing well.

The southeast part of town seems to be a favorable field for the growers. Paul Kunze is another who has a good variety of stock and a good business.

Herman Wilms of Flora avenue has a good stock of chrysanthemums and carnations and utilizes the space under the benches for mushrooms.

Manager Potter of the McCallum Co. is very much encouraged with the outlook and his stock is usually cleaned out early in the day.

Bramley & Son of East Ninety-ninth street are now cutting heavily of their own stock, which they use in their large retail business.

Fred Rains, in the same locality, has just started in business by erecting two houses.

Cleveland Florists' Club.

The regular meeting of the club was held on the night of October 14. Very encouraging reports were made regarding the prospect for the flower show to be held in the Greys' Armory November 14-16. Numerous entries have already been made and several silver cups have been offered as special prizes. Notice was given of a joint invitation to the Cleveland, Detroit and Toledo clubs by Elmer D. Smith, Adrian, Mich., to visit his greenhouses on Tuesday, October 20. A great crowd is assured.

PORT WAYNE, IND.—Miss Rhoda Dogwell has opened a flower store at 238 West Main street.

SPOKANE, WASH.—H. L. Olson has purchased property and will erect greenhouses at a cost of \$6,000.

St. Louis.

VALLEY VERY PLENTIFUL.

Lily of the valley and American Beauty roses are very plentiful. Pink American Beauty roses especially are coming in freely and chrysanthemums are of a better grade. Carnations are increasing in quantity and the quality is good. Cosmos is very plentiful. Violets are improving in color, but the demand is not good.

NOTES.

The St. Louis Florists' Club met Thursday. Twenty-five members were present. Charles Young, vice president, in the chair, F. H. Weber, president, being unavoidably absent. Fred Alves, chief man at Geo. Angermueller's, and August Hummert, vice-president of the St. Louis Seed Co., made application for membership.

The Windler Wholesale Floral Co. filled some very large orchid orders during the past week. Robert J. Windler has a fine display in his show windows. He has a very select trade which is constantly growing.

Grimm & Gorly had several large wedding orders and a very large special American Beauty rose order at the Jefferson Hotel last Tuesday for guests who attended the Veiled Prophet ball.

John Barnard has bought out F. A. Ryan, 2617 N. Fourteenth street, and will conduct a flower shop there. He will have a fine assortment of cut flowers and plants.

J. G. Bruchner of the Normal Florist, Chicago, has been in town. He took in the Veiled Prophet parade, visited the markets and had a general good time.

At H. G. Berning's a fine lot of white and red fancy carnations were seen, also some choice white and pink chrysanthemums.

Otto Sander is doing a good business. His show windows are always attractive and most tastefully arranged.

Frank McCabe, traveling representative of the A. L. Randall Co. of Chicago, was a very busy man all last week.

Young & Sons had the decorations at the Coliseum for the Veiled Prophet ball and did the work in fine shape.

The Metropolitan Floral Co. did a good job at decorating at the automobile shop at Forest Park highlands.

At C. A. Kuehn's some very nice chrysanthemums were seen, also some very fine lily of the valley.

Mullanphy, the Florist, is very busy. Extra help has been engaged to keep up with increased trade.

Henry Devenbergh, with Grimm & Gorly, paid a flying trip to Chicago on business for the house.

Joe Ent of the Union Florist is a daily buyer at the market and is building up a fine trade.

Herman Niehaus, of H. G. Berning's staff, will be married October 19. Congratulations.

Hugo Gross is in with violets and is waiting for cooler weather to develop the stock.

J. F. Wilcox of Council Bluffs, Ia., is shipping carnations to this market.

Chas. Gelven of Sedalia, Mo., was a recent visitor.

August Hartman expects a good crop of violets.

W. F.

ATCHISON, KANS.—This place held a flower parade October 4.

LAWRENCE, KAN.—The Kline Floral Co., well known growers, opened a cut flower store at 811 Massachusetts street, September 20.

HOLDREGE, NEB.—According to a local paper the Davidson Floral Co. of this place has bought the Kearney Floral Co. of Kearney.

Rochester, N. Y.

BUSINESS IMPROVED.

Business for the week ending October 12 showed signs of improvement. Several large funerals have taken place and most of the retailers have been busy with this kind of work. There have also been a few good weddings which have helped to fill up. Some extra good chrysanthemums are coming in, in white, lavender and yellow. These are grown locally. Roses are arriving in good condition. Carnations too are better and larger. There is still plenty of gladioli in all shades. Asters are falling off now, the season being about over. Violets are good and sell well. Tuberoses are scarce as are lily of the valley.

NOTES.

Dr. Charles S. Sargent, professor of arboriculture at Harvard and director of the Arnold Arboretum, reached Rochester on Wednesday and expects to devote two or three days to the study of the European elms, the hawthorns, hickories and other trees and shrubs to be found in the parks and streets of Rochester. For thirteen years Dr. Sargent has visited this city semi-annually and during these visits has succeeded in naming practically every variety of European elm to be found in this vicinity.

Miss Rose Ella Brown, who is visiting relatives in Dayton, Ohio, expects to return to Rochester very shortly.

The Lady Florists' Association met at the Elms bowling hall on Tuesday last and enjoyed a good game.

Charles Curtis of Irondequoit, N. Y., is growing some very fine Enchantress carnations.

Salter Brothers have a fine new delivery automobile.

PREPARING FOR SHOW.

The decorating committee appointed for the flower show to be held November 5-9 are as follows: F. J. Keller, chairman; George B. Hart, R. G. Salter, E. P. Wilson, E. R. Fry, F. R. Schlegel, J. M. Keller, George T. Boucher, Robert Ballentyne, C. B. Ogston, Charles Suhr, A. H. Salter, F. W. Vick, George F. Crosman, W. T. Logan, John C. Parker, Felix Alberts and John Dunbar. The out-of-town members of the general committee are Wm. F. Kasting, Buffalo, N. Y.; E. F. Rowe, Harrisburgh, Pa.; Calvin J. Huson, Albany, N. Y. John Dunbar, president of the Florists' Association, told the members and their guests at a smoker held Thursday night at Hotel Seneca that Rochester is the only city that makes flower shows a success. Others who spoke and predicted a great show this season were Joseph P. McSweeney, C. B. Ogston, George F. Roth, A. E. Crockett, C. W. Crosman and F. W. Vick. Charles H. Vick, chairman of the general committee, presided. William Pitkin, Jr., and F. L. Trautman, the show's landscape architects, have had their plans approved. In the auditorium and convention hall the central figure will be a chrysanthemum garden. The garden will be inclosed with lattice work and an evergreen hedge. In the annex there will be a water court. The ladies of the Florists' Association will serve tea in this hall.

H. J. H.

MARQUETTE, MICH.—Arthur Peterson, with C. Peterson & Sons, Escanaba, and A. F. Longren, representing Poehlmann Bros. Co., Chicago, were the guests of E. R. Tauch this week. Mr. Tauch is a fine entertainer and did everything in his power to give the visitors a royal good time. His friends were greatly surprised to find that he was an accomplished piano player and it is now a settled fact that he will play the wedding march when the bells ring in his neighboring city.

Albany, N. Y.

FUNERAL ORDERS HEAVY.

One of the most lavish exhibitions of flowers in this locality for some years was seen on the occasion of the funerals of four victims of the wreck on the New York, New Haven & Hartford railroad at Westport, Conn., on October 3. The four were residents of this city and were Mrs. E. Palmer Gavit, Mrs. James Cox Brady, Mrs. C. S. Ransom, and Miss Mary Hamilton. Mrs. Gavit was the daughter of Anthony N. Brady, a traction magnate, and the three others were sisters. The funerals took place on Sunday, October 6. Four coffin blankets were sent by friends in New York and four were ordered from H. G. Eyres by members of the Brady family. The blankets were made up of lily of the valley, cattleyas, and smilax without stint. Mr. Eyres filled orders for eight bunches of orchids, each with 50 flowers. Four of the bunches were made up of white orchids and lily of the valley and four cattleyas. Thousands of pink roses were used in making up bunches, many of which were scattered along the roadway from the cemetery entrances to the mausoleums. At least 500 American Beauty roses were used in various ways. Hartford, Conn., florists sent about \$1,000 worth of designs and three men to look after them. In Albany. Local florists furnished also many elaborate designs.

The dedication of the state Education building on October 14 brought a large order to H. G. Eyres. The function drew to Albany distinguished educators from all parts of the United States. The building was begun more than four years ago and was erected at a cost of over \$4,000,000. It is said to be the only building built by any state and devoted exclusively to educational departmental work.

R. D.

Albany Florists' Club.

THE OCTOBER MEETING.

Among the items of business transacted at the October meeting of the Albany Florists' Club on Thursday evening of last week was the appointment of a committee on publicity to act in co-operation with a similar committee of the New York Florists' Club and the state federation. The committee of the local club was appointed following communication from a committee of the New York club with a similar object. President F. A. Danker of the Albany club named the following: Frederick Goldring, chairman; Edward P. Tracey, Louis H. Schaefer, Robert Davidson, James H. Snyder, and the president, ex-officio. One member of this committee will be elected to membership in the publicity committee of the S. A. F. He will be expected to attend a meeting of the national committee in New York next April.

President F. A. Danker reported on the meeting of the officers of the state organization held during the fair at Syracuse in September. This meeting brought out the fact that the fruit growers, market gardeners, and florists have agreed to work together to secure an appropriation for a building at the state fair grounds devoted to their interests. The three bodies will also look after the landscape work and decorations of the fair grounds with a view to seeing that this feature receives proper attention. President Danker reported that the state federation of florists' clubs has made a good start in its work. Louis H. Schaefer of the entertainment committee reported on the clambake held on August 24 and on the work of the window garden committee of the Albany Woman's

Club, Mrs. John T. D. Blackburn, chairman. Mr. Schaefer said that all tickets used at the bake had been paid for and that the committee had cleared expenses with \$2 over. As to the work of Mrs. Blackburn's committee Mr. Schaefer said that it had done a great deal to encourage the cultivation of flowers. The exhibits in Washington park lake house under the auspices of the committee were creditable. As a mark of appreciation the club adopted Mr. Schaefer's motion to invite Mrs. Blackburn and the chairmen of her sub-committees to the exhibition and reception which the florists' club will hold in its rooms on the evening of November 6.

Mr. Schaefer made a report also on the visit paid on the afternoon of September 19 to the violet houses of James H. Snyder, Rhinebeck. Mr. Snyder thanked the club for its visit and for the gift of a silk umbrella made on the occasion.

Henry Demars of Demars Brothers, glaziers, Cambridge, Mass., who has been busy in this locality through the summer, was elected a member.

R. D.

Nashville, Tenn.

FALL PROSPECTS GOOD.

With the opening of the schools and colleges and the advent of the cooler weather the flower trade has taken on a decided briskness and promises to be very fine shortly. Carnations and roses are both thrifty. Everybody seems to be satisfied with the outlook both as to supply and demand. Chrysanthemums are on the market and in a few days will be very abundant. Violets are just beginning to bloom and most of the growers are having their first cut this week.

NOTES.

Work on the new McIntyre Bros. floral establishment on the fashionable West End avenue is progressing nicely and they will soon be able to move into it. In the meantime they have kept the plants growing in the old greenhouses while they have been establishing the new, which will give them larger facilities. Their stock is in fine shape and they will have everything needed in the way of fine and beautiful flowers.

The Joy Floral Company reports the same fine outlook for the season. Their chrysanthemums are splendid and they will have a full supply to meet every demand. The white and yellow varieties are blooming more abundantly just now and there is a good constant demand. Carnations are coming in with a rush and already the roses are fine.

Geny Bros. have just put in a hundred horse power boiler and completed a brick stack sixty feet high. They have added four additional houses this year, each 30x186 feet. For several months past Oscar Geny has had entire charge of his greenhouses and they have never had better plants or flowers.

L. Haury & Sons have a good outlook for the season and are making a good reputation for putting up artistic floral designs. Their stock is in fine condition and they expect to do a fine business this season.

Geny Bros. and the Joy Floral Co. together bought a car load of French Roman hyacinths and narcissi and will have these plentifully later on.

M. C. D.

TAMPICO, ILL.—Fred Shanks has erected a greenhouse 12x24 feet in which he expects to raise winter vegetables. If the enterprise proves remunerative he will continue the business on a more extensive scale next season.

OBITUARY.

George Carpenter.

George Carpenter, an old-time florist of Philadelphia, Pa., died suddenly Wednesday, September 25, of heart trouble. He had been making cuttings in the greenhouse, and feeling tired, went to the house for a rest and passed away a half hour later while lying on a couch. Mr. Carpenter was born in London, England, in 1844. After coming to this country he started in business at Fifty-sixth street and Wyalusing avenue. When requiring more room he removed to Sixtieth street and Girard avenue, where he built quite a range of glass. Bedding plants were his specialty. Mr. Carpenter was a hard worker. His genial disposition made him many friends in the trade. He leaves two sons, George and Frank Carpenter. George, who has been his father's right hand man, will continue the business. The late Mr. Carpenter was buried on Saturday, September 28, in Arlington cemetery. There were many floral tributes, the room being entirely filled with choice wreaths and sprays.

Martin Kennedy.

Martin Kennedy of Brooklyn, N. Y., was found dead in a bed of his favorite chrysanthemums September 27, in one of the greenhouses owned by James Weir & Sons, his former employers. Death was the result of apoplexy. Mr. Kennedy was 70 years old and had spent forty of his fifty years of service as a florist with the Weir firm. Three years ago he retired but it was his habit to visit the chrysanthemum beds daily between 5 and 6 in the afternoon. On the day of his death he appeared as usual and, filling his watering pot, proceeded to go about the task he loved so well. An hour later Patrick Smith, one of the employees, found his dead body.

James C. Murray.

James C. Murray, for twenty-five years a successful florist of Peoria, Ill., died October 13 after a long illness, aged 63 years. He was born in Yarmouth, England, and came to America with his parents when he was but three years old. He opened a flower shop in Peoria twenty-five years ago and has prospered in his business. Poor health compelled him to retire recently, however. He is survived by his wife and one son, David Trotter Murray.

W. R. Miller.

W. R. Miller, proprietor of a greenhouse at 2128 Eastern avenue, Cincinnati, died September 23 of valvular disease of the heart. He is survived by a wife and three sons—Charles C., Alfred A. and Walter R. Miller. The sons are in the seed business.

SPOKANE, WASH.—Patrick Leavey has been granted a permit to build a greenhouse.

DETROIT, MICH.—Norman Sullivan, 211 Woodward avenue, has taken out a permit to build a greenhouse at a cost of \$1,000.

BOSTON, MASS.—A charter has been issued to Zinn's Flower Shop, Inc. The capital stock is \$5,000 and the incorporators are Clarence W. Rowley, Olivia F. Zinn and Annie P. Magee.

LOS GATOS, CALIF.—William A. Yeland of this place died of heart failure, October 3, at Darien, Conn., where he was traveling in the interests of C. C. Morse & Co., San Francisco seedsmen. He was 52 years of age and leaves five children.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	733
—Roman hyacinths.....	733
—Poinsettias.....	733
—Lilies.....	733
—After chrysanthemums.....	734
—Antirrhinums.....	734
The retail trade.....	734
—The garden forget-me-nots.....	734
—The green table decoration.....	735
—Corsage bouquets (illustrated).....	735
—The white ball room decoration.....	736
Garland's movable greenhouses (illustrated).....	736
—H. S. Garland (portrait).....	736
—Geo. M. Garland (portrait).....	737
Good crops and good times.....	737
The rose.....	738
—New roses to date.....	738
—E. G. Hill (portrait).....	738
—Rose Mrs. Charles Russell (illustrated).....	739
National Association of Gardeners.....	740
Boston.....	741
Cleveland notes.....	741
Cleveland Florists' Club.....	742
St. Louis.....	742
Rochester, N. Y.....	742
Albany Florists' Club.....	743
Obituary.....	743
—George Carpenter.....	743
—Martin Kennedy.....	743
—James C. Murray.....	743
—W. R. Miller.....	743
Society of American Florists.....	744
American Sweet Pea Society.....	744
Chrysanthemum Society of America.....	744
Indianapolis.....	746
Chicago.....	748
Chicago Florists' Club.....	753
Cook County Florists' Association.....	753
Cleveland.....	753
Milwaukee.....	754
Buffalo.....	754
Philadelphia.....	756
New York.....	758
New York Florists' Club.....	758
Columbus, O.....	760
The seed trade.....	766
—European seed crops.....	766
—Iowa seedsmen.....	766
—Free seeds confiscated.....	766
Market gardeners.....	770
The nursery trade.....	772
—Forestry in British India.....	772
—Creation of forests.....	772
—Apple breeding.....	772

RENEW subscriptions promptly so that no copies of the papers may be missed.

SAWYER & JOHNSON, Bethlehem, Pa., advise us that some of their mail is going erroneously to Allentown, Pa. The correct address is Broad and New streets, Bethlehem, Pa.

BENJAMIN CHASE, the well-known plant label manufacturer of Derry, N. H., died at his residence September 27 in his eighty-first year. In 1867 he established the business carried on by the Benjamin Chase Co. and had been its president since the organization in 1907.

Gas Damage Verdict.

The case of Henry Weston of Hempstead, L. I., N. Y., against the Nassau and Suffolk Lighting Co. has been decided in favor of Mr. Weston, who was awarded a verdict to the amount of \$1,000. Mr. Weston sued for damages sustained through a leak in one of the gas mains.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new rose "Milady" by A. N. Pierson, Inc., Cromwell, Conn., becomes complete.

JOHN YOUNG,
Sec'y.

October 5, 1912.

American Sweet Pea Society.

On a call from President Sim, an executive meeting of our Society was held in Horticultural Hall, Boston, Friday, October 11. The following members were present: William Sim, W. Atlee Burpee, J. K. M. L. Farquhar, Wm. Currie, Thos. J. Roland, Wm. J. Stewart, Peter M. Miller, W. T. Hutchins, Robert Cameron, Jas. Wheeler and Harry A. Bunyard. Mr. Farquhar formally extended the invitation to the society to hold its annual exhibition under the auspices of the Massachusetts Horticultural Society. The invitation was received with a hearty vote of thanks. The express idea of calling a meeting was for the purpose of completing matters relative to the Boston summer flower show. The schedule of this society for the International Flower Show to be held in New York in April was submitted and accepted. It will be published in about ten days. The matter of the society's medals was also gone into and Thomas Roland, chairman of the medal committee, was instructed to proceed to have the die made and such medals struck off as were won at the last exhibition in Boston. The meeting then adjourned at the call of the chair. President Sim served luncheon to the visiting members at the Copley Square Hotel for which he received a hearty vote of thanks.

HARRY A. BUNYARD, Sec'y.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these commit-

tees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 19, 26 and November 2, 9, 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Foliage.....	15
Form.....	15	Substance.....	15
Fullness.....	10	Size.....	10
Stem.....	15		
Total.....			

Exhibition.			
Color.....	15	Form.....	15
Stem.....	5	Depth.....	15
Foliage.....	5	Size.....	30
Fullness.....	15		
Total.....			

Single Varieties.			
Color.....	40	Stem and Foliage..	20
Form.....	20		
Substance.....	20	Total.....	100

Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20		
Stem and foliage..	20	Total.....	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

October 23-26, 1912, San Francisco, Calif.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel, Angelo J. Rossi, manager, 2114 Steiner street, San Francisco.

October 24-25, 1912, Lenox, Mass.—Fall exhibition, Lenox Horticultural Society, Geo. H. Instone, secretary, Lenox, Mass.

October 24-26, 1912, Pasadena, Calif.—Fifth annual fall flower show, Pasadena Horticultural Society, Geo. H. Kennedy, secretary, 497 Bradford street, Pasadena.

October 25-27, 1912, Tuxedo Park, N. Y.—Annual exhibition, Tuxedo Horticultural Society, Tuxedo Club House, David S. Miller, secretary.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition, Nassau County Horticultural Society, James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society, Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory, Wm. Mills, secretary.

October 31-November 1, 1912, Madison, N. J.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis hall, Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 4, 1912, Montreal, Que.—Fall exhibition, Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street, west, W. H. Horobin, secretary, 283 Marquette street, Montreal, Que.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall, E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street, W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall, L. C. Mulvey, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania hall, Anthon S. Petersen, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall, Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium, S. D. Dwyer, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory, John N. Stockwell, secretary, 218 City hall, Cleveland.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By German, expert carnation grower, to take charge. Am strictly sober. Address, Key 696, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture. Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Help Wanted—Salesman to call on the greenhouse and store trade. State age, wages and experience. Address, Key 704, care American Florist.

Help Wanted—Assistant florist, with experience in growing choice pot plants; English or Scottish preferred. Wages \$14.00 per week. Mail copies of references in first letter. Address, 3132 McHenry Ave., Westwood, Cincinnati, O.

Help Wanted—A man who can grow shrubs, roses, etc., and manage greenhouse. Married man preferred. Moderate salary at first with chance of promotion. Give full particulars and salary wanted. PARKER BROS. NURSERY CO., Fayetteville, Ark.

Help Wanted—Competent grower of cut flowers and pot plants to take charge of 30,000 feet of glass in Missouri. Must be sober; married German preferred. Steady position; state wages expected, reference in first letter. Address, Key 715, care American Florist.

Help Wanted—An experienced gardener, married, small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

Help Wanted—Experienced grower, as working foreman to take charge of eighteen thousand feet of glass; Western New York. Must be successful rose grower, and be ready to come not later than Nov. 1, 1912. State wages desired in reply. Address, Key 714, care American Florist.

Help Wanted—Working gardener, married, English or Scotch preferred; must be experienced in flower and vegetable gardening, shrubs, trees, and general care of country estate, also desirable that he could assist in landscape work; no greenhouses; wages \$60 to \$65 to start, with new gardener's house, vegetables and milk; no other perquisites; state past and present employers, size of family, your age, nationality and your experience in detail, with names of references; excellent position for right man under excellent conditions; only man of unquestioned character and habits considered; position open immediately. Write at once T. A. M., Key 719, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Good-paying retail store on south side of Chicago; liberal inducements to the right party; a bargain; write quick; good reasons for selling. Key 712, care American Florist.

For Sale—Floral Store, in the best location in Avondale, Cincinnati's wealthy suburb. Reason for selling: ill health. M. SHANAHAN & CO., 3525 Reading Road, Avondale, Cincinnati, Ohio.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to incorporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

For Sale.

3 60x16 Tubular Boilers, \$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

SITUATION WANTED.

High Class Storeman and Designer is open to engagement. Age 35, married. Address,

Key 713, care American Florist.

Position Wanted.

Seedsman, 26 years old, nine years experience in inside and road work. Will be open for position Sept. 20th, 1912. Best of references.

W. H. HUFFMAN,
Highland Park, Richmond, Va.

Glaziers Wanted.

Two glaziers to work on our greenhouses at Hinsdale. Extra pay offered for immediate help.

Bassett & Washburn,
131 N. Wabash Ave. CHICAGO.

Agency Wanted

To represent some Eastern Seed House on this coast by an up-to-date seedsman. Write,

A. MANN, 2041 Pine St.,
SAN FRANCISCO, CAL.

A Good Chance.

Wanted, a practical nurseryman to take charge of a nursery in Illinois. Salary and interest in business if he makes good. Give experience and good reference. Address

C. E. Finley, Joliet, Ill.

FOR RENT.

Three greenhouses, consisting of about 10,000 square feet of glass, located on 54th Avenue and 29th Street; houses and boilers in good condition; any reasonable offer will be considered. Address

J. A. MENDEL, Receiver,
1424 West 18th Street, CHICAGO.

Salesman Wanted

And Assistant Decorator.

Must also have a slight knowledge of buying; must be willing worker, and furnish highest references. Moderate salary to start; splendid opportunity in the future for the right party. Address, Key 709, care American Florist.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, 'mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address, Key 718 care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Iwend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of Sprenger, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences and one five-room cottage in good condition, big packing shed, cellar and barn, 2 artesian wells, wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

PERCY JONES

OUR quality of Chrysanthemums, Carnations and Roses is such that we can guarantee satisfaction. Can supply anything in any quantity.

56 E. RANDOLPH ST., CHICAGO

Philadelphia Notes.

Richards Bros., Wm. Swayne, W. Eastburn of Kennett square and other carnation growers of Chester County, say their stock has never looked better, there being very little stem rot. The plants since they were moved in from the field have taken hold of the soil and a healthy growth is the result. T. Edwards of Bridgeton, N. J., reports that out of 15,000 plants set out in the houses he lost from all causes less than 100, and that the prospects for a good crop are very bright.

Chrysanthemums are coming along fast with the Robert Craig Co. Among the new ones, Comoleta, a yellow, and Elise Popworth, a fine white, are thought to be winners. M. Banard of Stewart, Lowe & Co., London, Eng., was a visitor the past week. He thought so well of a new seedling croton that he gave an order for all he could get for export.

The color photographic slides which show flowers in their natural colors, with which President Vincent illustrated his lecture at the last meeting of the club, were the best ever seen in this city. They were for the most part of dahlias taken at the Vincent dahlia show and farm at White Marsh, Md.

The Columbia Flower Shop at 1523 Columbia street has taken more commodious quarters at 1517, a few doors east. P. J. Schembs, who has been operating on Seventeenth street above Spring Garden, will open up at the Columbia's old number and make a bid for the uptown trade.

Stewart H. Miller, Edward Reid's first lieutenant, was married on October 9 to Miss Ray Evens, who was also connected with the Reid establishment as bookkeeper. They are both very popular with the trade. Congratulations were showered on them.

Glowing reports and large orders from their salesmen in all parts of the country is the good word with H. Bayersdorfer & Co. In spite of large shipments the immense stock never seems to go down, as it is constantly replenished with fresh importations.

The new boxwood trees are in. Henry A. Dreer, Wm. K. Harris and the Robert Craig Co. all having received large importations. The stock appears to have carried well. Indications are that more of these will be used than ever before.

Chrysolora, a fine early yellow, almost of exhibition quality, was a leader among the chrysanthemums at the Niessen market last week. The first local double violets arrived on Saturday. They were very good for the first picking.

Julius Wolff, Jr., had the decorations at the Gimbel store for the store's Seventieth anniversary. Several carloads of autumn leaves and thousands of hydrangea heads were used as well as large quantities of palms.

M. Rice & Co. report large sales of wreaths, including cycas, moss and ruscus. The S. S. Prinz Oskar brought

them last week the largest single shipment of moss wreaths ever made.

Godfrey Aschmann reports a very busy fall trade. Palms, araucarias and ferns are moving out lively. His large importation of azaleas have just arrived—a fine lot of plants.

Wm. Berger, Germantown, is adding to his delivery service a very swell Autocar. Auto delivery cars are no longer a luxury. They are a necessity.

The Joseph Heacock Co. is sending in some White and Pink Killarneys with 24 to 30-inch stems that are of fine quality for the season.

American Beauties are leaders at Ed. Reid's, while choice chrysanthemums are now close behind them in the rush for first place.

Emil LeLache is the Cosmos King and has wagonloads of this great flower every day at his stand in the Twelfth street market.

The Cyrtomium Rockfordianum sent out by the H. A. Dreer Co. is meeting with favor and stocks are seen in all the stores.

The Kugler Flower Shop opened for business Monday, October 7, with John Wilson, late of Habermehl's, in charge.

Berger Brothers are pushing chrysanthemums. All the standard sorts are offered in quantity. K.

Indianapolis.

MARKET UNUSUALLY GOOD.

The cut flower market has been unusually good; in fact, there has not been enough of the better grades of flowers to go around. The scarcity is most apparent in lilies, chrysanthemums and American Beauties. The latter sell easily at 5 cents for shorts up to \$3.50 a dozen for the best long-stemmed. The best carnations bring 2½ cents. Tea roses sell from 2 cents to 6 cents.

NOTES.

The meeting of the State Florists' Association was held at the Smith & Young Co.'s commission house. It was well attended and was unanimously voted one of the best meetings of the season. The next meeting will be held at Richmond.

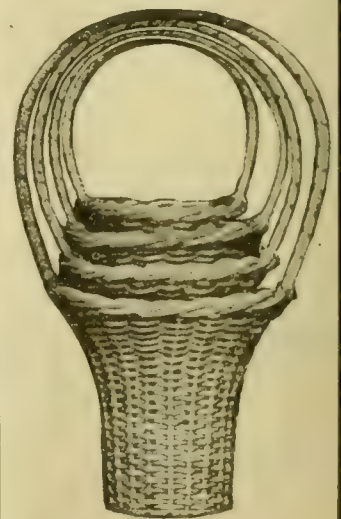
The Hill-Heller Co. is well pleased with its new business in this city. The new store is of a very handsome and original design. The company has introduced the dollar box to this city and it is being well received by the public.

The Bertermann Bros. Co. has completed the excavation and foundation walls for the new conservatory. This improvement will make this retail establishment one of the most complete and up-to-date in the middle west.

Sidney Smith has sold his property on Thirty-eighth street. The greenhouses are to be torn down and the ground utilized for residence property.

H. W. Rieman and the Bertermann Bros. Co. have each a new delivery car on the streets and each is of a very handsome design.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

L. Benson will soon occupy his new store in the Denison Hotel building on North Pennsylvania street.

A. W. Brandt intends to move his store a few doors farther north.

Hartie & Elder are cutting the best carnations in this vicinity.

Recent visitors were E. G. Hill, Joe Hill, John Evans and Charley Jones, all of Richmond; J. P. Olinger of Cincinnati; Peter Weiland and — Cosairt and wife of Newcastle.

H. J.

DECORAH, IA.—The Winneshiek County Horticultural Society has postponed its annual exhibition one year as a result of the almost total failure of the apple crop.

AURORA, ILL.—The Aurora Greenhouse Co. has just completed a new greenhouse 25x125 feet, a storage house 20x60 feet, and three concrete hotbeds 74x6x75 feet. J. H. Newhall, proprietor, is busy now shipping cyclamens to Texas and Arkansas from his stock of 10,000 plants.

Dennison

DISTINCTIVE TAGS

FOR THE HOLIDAY SEASON

Help to make the Christmas Boxes of Flowers more attractive

The tag is the business card of the florist on the box.
It must represent him in Quality.

Dennison Florist Tag Designs this season are particularly handsome.

Write for samples and allow the Dennison Department of Design to submit a sketch carrying out your ideas of a distinctive florist tag.

Dennison Manufacturing Company

THE TAG MAKERS

Works at Framingham, Mass.

STORES

BOSTON

26 Franklin Street

NEW YORK

15 John Street

NEW YORK

15 West 27th Street

PHILADELPHIA

1007 Chestnut Street

CHICAGO

62 E. Randolph Street

ST. LOUIS

905 Locust Street

SALES OFFICES

Albany, N. Y.

Atlanta, Ga.

Baltimore, Md.

Buffalo, N. Y.

Cincinnati, O.

Cleveland, O.

Dallas, Texas

Denver, Colo.

Detroit, Mich.

Indianapolis, Ind.

Kansas City, Mo.

Los Angeles, Cal.

Louisville, Ky.

Milwaukee, Wis.

Newark, N. J.

New Orleans, La.

Omaha, Neb.

Pittsburg, Pa.

Portland, Ore.

Providence, R. I.

Richmond, Va.

St. Paul, Minn.

San Francisco, Cal.

Seattle, Wash.

Toronto, Ont.



Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice White, Yellow and Pink, medium, \$2.50 per doz.; large, \$3.00 to \$4.00 per dozen.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$4 00
36-inch	3 00
24 to 30-inch	\$2 00 to 2 50
18-inch	1 50
12-inch	1 00

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 to \$12 00 per 100
Extra long select.....	8 00 per 100
Good length.....	6 00 per 100
Medium length	\$4 00 to 5 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Good.....	\$3 00 to \$4 00
Medium.....	2 50

FINE EASTER LILIES.....

per doz., \$1 50 12 00

Lily of the Valley.....\$3 00 to 4 00

Smilax..... per doz., \$1 75 to \$2 00

Asparagus Sprays..... 2 00 to 4 00

Sprengerl..... 2 00 to 3 00

Adiantum..... 1 00 to 1 50

Leucothoe Sprays..... 0 75

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns..... per 1000, 2 00

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

SUPPLY STILL SHORT.

There is still a brisk demand for stock of all kinds and the only flowers that are plentiful are orchids and violets. *Cattleya labiata* is in good supply and so are *oncidiums*, but the latter are having a very poor sale. Violets are none too good but move fairly well. The supply of lily of the valley is equal to the demand and lilies are in splendid shape, some excellent flowers of good substance being seen. American Beauty roses of very fine quality are arriving and sell very quickly. The long-stemmed stock is more plentiful, but the shorter grades are very scarce. Roses are none too plentiful and owing to the diminished cut there is no great surplus and the better stock does not remain long on the grower's or the wholesaler's hands. The demand for Killarney and other colored roses is brisk but the supply of white seems to be much larger. Chrysanthemums are arriving in larger quantities with the supply not yet equal to the demand. Carnations are in good supply, the better grades sell quickly at good figures, but the very short grades are sold at sacrifice prices. The only outdoor stock now to be seen on the market in any quantity is dahlias, gladioli and cosmos. The latter is displayed in large bunches of long-stemmed flowers and makes a great showing either in the windows or on the counters. There is a good supply of greens of excellent quality and already is heard quotations of the stock of greens for the holiday season. Ferns have advanced a little in price, but the supply of bronze galax must be large, for several of the dealers are offering it in case lots at very reasonable figures. Chrysanthemums are be-

coming more plentiful and the following varieties are now arriving: Monrovia, Robert Halliday, Pacific Supreme, Roserie, Golden Glow, Miss Virginia Poehlmann, Donatello, Ivory, Polly Rose, Glory of the Pacific, Clementine Tousey, Chrysolora and Unaka.

NOTES.

Percy Jones is taking care of his regular customers in fine shape nowadays as far as roses, carnations and chrysanthemums are concerned, for his growers are keeping him well supplied with choice stock. H. Van Gelder says that business is good and it is plainly seen that things are beginning to hum in the supply department.

Tim Matchen says that Peter Reinberg has disposed of nearly all his field grown carnation plants with the exception of a few Rose Pink Enchantress. If the surplus is as good as the plants are that were shipped out from the store this week it is deserving of immediate sale.

D. E. Freres is now ably assisted at his wholesale store by Nicholas Potchen who graduated a short time ago from George Muno's flower college. Mr. Freres is now showing a fine grade of all kinds of seasonable stock, particularly choice Richmond roses grown by Adam Zender.

Chas. Wakeling, foreman at the Kemble Floral Co.'s greenhouses, Oskaloosa, Ia., and family visited friends in this city and Des Plaines this week. Mr. Wakeling was formerly in the employ of Hoerber Bros., who speak well of his ability as a grower of Killarney roses.

Chas. L. Washburn reports an unusually busy week at Bassett & Washburn's store and says that on Monday, October 14 his firm received a continual stream of telegraph orders

which commenced early in the morning and kept up until the store was closed at night.

The Bohannon Floral Co. has made some changes in its store and the magnificent establishment now presents a most inviting appearance. The proprietor says that the retail trade is improving and that his firm has just received its new 35 h. p. Hudson delivery car.

The George Wittbold Co. received an importation of palms and boxwood trees at its Buckingham Place establishment this week and is awaiting the arrival of still another shipment of palms for the decorating department.

John Scheiden who is using Winandy's new bench and heating system in his last carnation range has given it a thorough test and says that it is all and more than the manufacturers claim it to be.

E. Eisner, formerly in the florist business on South Halsted street and also in the employ of Chas. Samuelson is now with the Bohannon Floral Co.

Ed. Topel, with Poehlmann Bros. Co., Morton Grove, has returned from Iron Ridge, Wis., where he attended his sister's wedding.

The Cook County Florists' Association will hold a meeting at the Union Restaurant, West Washington street, October 17.

E. C. Amling has moved into his new residence in Oak Park adjoining his old home which he sold recently.

George Reinberg has returned from an enjoyable visit with friends and relatives in Iowa.

Earl Green, recently with Chas. W. McKellar, has accepted a position with Erne & Klingel.

Hoerber Bros. cut their first chrysanthemums on Monday, October 14

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

**'MUMS. SINGLE VIOLETS. 'MUMS.
CATTLEYAS and WHITE ORCHIDS.
EXTRA FINE LILY OF THE VALLEY.**

We can supply all you will need regularly from now on.

CARNATIONS.

We are now supplying first grade. Medium stems. Good flowers.

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES.	Per Doz.
Long.....	\$3.00
30-inch.....	2.50
24 inch.....	2.00
18 to 20-inch.....	1.50
Short stem.....	per 100, \$4.00 to 8.00
Specials charged for accordingly.	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
Specials charged for accordingly.	
MELODY, long.	8.00 to 10.00
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.	
Fancy long.....	8.00
Medium.....	6.00
Short.....	4.00
Extra special Roses, charge accordingly.	

LADY HILLINGDON.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
RICHMOND.	
Fancy.....	8.00
Medium.....	6.00
Good short.....	4.00
KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
WHITE KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
CHRYSANTHEMUMS, White, Yellow and Pink..	per doz., \$2.00, \$3.00 and \$4.00

CARNATIONS.....	Per 100
.....	\$2.00 to \$3.00
VIOLETS, Princess of Wales.....	75c to 1.00
ORCHIDS, White Dendrobium, doz.	\$5.00
CATTLEYAS.....	per doz., 6.00
EASTER LILIES.....	12.00
VALLEY.....	\$3.00 to 4.00
ADIANTUM CROWEANUM.....	1.00
MEXICAN IVY.....	per 1000, \$5.00 .60
SMILAX.....	16.00
SPRENGER, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS, extra long and heavy.....	each, .50 to .60
FERNS.....	per 1,000, 1.50
GALAX.....	per 1,000, 1.25
LEUCOTHOE.....	per 100, .75

Florists' Supplies

A FULL NEW LINE. PRICES RIGHT.

Our usual method of doing things on a big scale is carried out in this department.

American Oak Sprays, Natural Preserved.

Having secured a large quantity of these goods, we are in position to meet all competitive prices.

MAGNOLIAS IN GREEN, BROWN AND RED.

All we ask is a trial order to convince you that our leaves are pliable and good even color. Now that these leaves are almost as cheap as Galax, you should not be without a stock on hand at all times.

Wreaths Made of Our Leaves Will Keep Indefinitely.

The high cost of Immortelles will mean
to obtain a substitute. Why not

RUSCUS?

We are leaders in this line of goods by having the right color of Red and prices that will please you.

A full line of Ribbons, Chiffons, Shower Ribbon, Corsage Ties and Christmas Novelties.

WRITE FOR PRICES AND SAMPLES.

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

RICHMOND,

Killarney, White Killarney, My Maryland and Sunrise Roses. Also Carnations, Chrysanthemums and Greens.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.			Per 100
Extra long stems.....		\$3 00	Mrs. Aaron Ward {	Select	\$8 00
36 inch stems.....		2 50		Medium	6 00
30 inch stems.....		2 00		Short	\$4 00 to 5 00
24 inch stems.....		1 50	Sunrise..... {	Select	\$6 00
20 inch stems.....		1 25		Medium	5 00
15 inch stems.....		1 00		Short	4 00
12 inch stems.....		75	Roses, our selection.....		3 00
Short Beauties		50	Carnations		2 50
Richmond		Per 100	Chrysanthemums	per dozen	2 00 to 3 00
Killarney	Short	4 00	Chrysanthemums, extra select, per dozen ..		4 00
White Killarney	Select	\$8 00	Harrisii	per dozen	1 50 to 2 00
My Maryland...	Medium	\$5 00 to 6 00	Valley		3 00 to 4 00
			Adiantum		1 00
			Asparagus, per bunch.....		50
			Ferns, per 1,000		1 50 to 2 00

Wietor Bros. have just started to cut chrysanthemums and a fine grade of Monrovia and October Frost are now seen at the store. N. J. Wietor got a shipment of fish from his old pal H. E. Griffin one day this week that attracted a great deal of attention on the market for many of the florists had never seen a sturgeon, especially the kind that are caught at Lake Pippin, Minn. The four fish weighed 90 pounds and arrived in fine shape for "Griff" packed them a little better than he did those that the "Pikers' Club" sent down to the market from White Sand Lake, Wis., last summer.

Poehlmann Bros. Co. cut its first Virginia Poehlmann chrysanthemums this week and some large showy blooms are now on sale. John Poehlmann, in speaking of the present market conditions, says that he has never known a time at this season of the year when stock was as scarce as it is now. Otto W. Frese has been helping out in the cut flower department since John Enders has been ill and was seen the other day giving dictation while he was filling shipping orders. Some hustler!

George Mount and son Percy of Canterbury, England, are visiting here this week. Mr. Mount is one of the foremost growers and exhibitors of roses in his country, having won the great international prize for the finest and most expensive exhibit at the royal international exhibition at London last May. The visitors were the guests of C. L. Washburn and wife at Hinsdale on October 14.

John Kruchten's store was baseball headquarters this week and some of his many friends good naturedly cut out a cartoon of Ed. Walsh, the crack White Sox pitcher, and placed it on a standard with a wreath around it and

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, SMILAX, FERNS and OTHER GREENS are furnished at short notice.

SEND US A TRIAL ORDER.

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

placed it on a conspicuous place over the counter. Never mind, Sox fans, the Cub fellows have not forgotten the awful drubbing their team got last season.

E. F. Winterson, Jr., celebrated his twenty-first birthday with a party at his parents' magnificent new home at 422 S. Hamlin avenue. Twenty young people were present and it is needless to say that everyone had a delightful time, for the Winterson family is well known for its hospitality.

H. C. Wendland is back from a successful hunting trip in the big woods of New Brunswick. He shot a large bull moose and brought back a magnificent head to be mounted for Colonel Roosevelt, whom he expects to be the next president of the United States.

J. F. Kidwell says that trade is very good at the Chicago Flower Growers' Association's store and that his firm is now receiving some fine roses from the Wellworth Farm Greenhouses and the Riverbank Greenhouses.

A. L. Vaughan & Co. are receiving regular shipments of New York violets and a large assortment of choice chrysanthemums. W. E. Lynch says that so far he has been able to fill his firm's regular customer's orders in fine shape without much trouble.

The Boynton Furnace Co. is well pleased with this season's business and Mr. Mann, western sales manager, says that a great many of Boynton's greenhouse boilers are now being used in this territory.

Miss Olga Tonner is showing a good grade of chrysanthemums in many varieties at the store formerly managed by her sister.

Chas. Balliff left this week for Indianapolis, Ind., to enter the employ of the Hill-Heller Co., retail florists.

Miss M. C. Gunterberg is away for a few days on business this week.

Clifford Pruner has severed his connections with E. H. Hunt.

E. E. Pieser has been sick in bed several days this week.

Here's Where You Can Get THE BEST 'MUMS FOR ALL SAINTS' DAY

Orders Now Being Booked. Get Yours in Early.
All the Leading Varieties in Large Quantities.

Per Doz.: Extra Select, \$3.00; Select, \$2.50; Fancy, \$2.00; Good, \$1.00 to \$1.50.

BEAUTIES

KILLARNEYS, RICHMOND AND MRS. JARDINE IN GOOD SUPPLY.

Order some of our Famous **Bull Moose Brand Beauties** and get the best obtainable in the Great Central Market. Don't forget that we are also headquarters for **Carnations**.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
48-in. stems.....\$4 00	24-in. stems.....\$2 00
36-in. stems.....3 00	20-in. stems.....1 50
30-in. stems.....2 50	15-in. stems.....1 25
	Short stems.....1 00

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine, Fancy, 24-inch stems.....	\$6.00
Good, 15.....	4.00
Short.....	3.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

Fancy.....	\$7.00
Good.....	6.00
Short.....	4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$3.00
Fancy.....	2.50
Good.....	1.50

CHRYSANTHEMUMS, per doz., \$1 00 to \$3 00

HARRISII.....10.00 to 12.50

FERNs, per 1000, \$1.50.

SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y

ANTON THEN, Treas

The Chicago Flower Growers Association


WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

 L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

OUR LEADERS.

Chrysanthemums

Beauties

White Killarney

Lilies

Carnations and Valley

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	2.00	1.50	1.00				
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Daisies.....	1.00	.75					
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

Mention the American Florist when writing

A. L. VAUGHAN & CO.,

(NOT INC.)

Buy your Flowers from a House that makes a **SPECIALTY** of shipping **GOOD STOCK WELL PACKED.** It means years of experience to qualify for this. If you will buy regularly from us you will soon find that you get more satisfactory results both in quality and packing than you get elsewhere. Do not hesitate to order **NOW.** **WEEKLY PRICE LIST ON APPLICATION.**

161 N. Wabash Ave.,

 PHONES | Central 2571-2572
Automatic 48-734

CHICAGO

J. A. Budlong is having a good call for a fancy grade of Clementine Tousey chrysanthemums of which he is now cutting quite heavily. The stock in the Budlong houses is in grand shape from the carnations to the American Beauty roses and a large crop of Early Snow and Robert Halliday chrysanthemums are about ready to cut.

Hunt Bros. of Park Ridge have had a good supply of Golden Glow chrysanthemums the past few weeks that have been bringing good prices. Mr. Hunt says "our Golden Glow chrysanthemums are fine but you ought to see the magnificent stock that Sol. Garland of Des Plaines is cutting."

The Des Plaines Floral Co.'s carnations are looking fine and the proprie-

tors can expect a great deal from their crops this fall. More miscellaneous stock is being grown here than formerly, including violets, chrysanthemums and greens.

Bernard J. Schmierer, of 6566 Sheridan road, says he is the sole owner of the business of the North Shore Floral Co. and does not represent downtown interests as has been reported.

The J. B. Deamud Co. is still supplying their customers with Mrs. Francis King and Augusta gladioli and the proprietors state that they will have a good supply for several days to come.

A meeting of the committee investigating the sale of flowers at elevated

stations will be held at the Union restaurant October 17 at 2 p. m.

Zech & Mann are having their share of both the local and out-of-town trade and manage to hold it by supplying their customers with fresh stock at all times.

Visitors: H. E. Philpott, Winnipeg, Canada; R. A. Smythe, Benton Harbor, Mich.; J. T. Buckbee, Rockford

MEMPHIS, TENN.—Otto Schwill, proprietor of the Idlewild Greenhouses, has taken out a permit to build a store and conservatories to cost \$4,000.

KINMUNDY, ILL.—The thirty-ninth annual meeting of the Horticultural Society of Southern Illinois will be held here November 26-27.

THE HOME OF **BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"**



Heavy Supply 'MUMS' Good Quality
FOR ALL SAINTS' DAY.
YELLOW - WHITE - PINK

Try our **White** and **Yellow Touset**. They are sure to give satisfaction.
 Send us your orders and get the **BEST TO BE HAD**.

We are also Strong on Roses

Beauties, Richmond, Maryland,
Jardine, Pink Killarney, White Killarney,
Prince de Bulgarie, Mrs. Aaron Ward.

Carnations in All Varieties which for quality excel any other stock seen on this market to date.

All Saints' Day Orders Now Being Booked. **J. A. BUDLONG**
 82-86 East Randolph Street, CHICAGO.
ROSES, VALLEY and CARNATIONS A Specialty..... **WHOLESALE Grower of CUT FLOWERS**

Cook County Florists' Association.

The banquet and musical given by the Cook County Florists' Association at the Tavern, West Washington street, on October 10 was a pleasant affair and attended by about 70 people. The following took part in the musical program which was well rendered: Miss Edith Scott, Mrs. H. J. Liestner, Miss Krutian, W. A. Loomis, A. Ward, Raymond Miller and P. J. Miller. A. C. Kohlbrand, president of the association, says that the dinner was such a success that a dance will be given in the near future.

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant October 10, President Foley in the chair. The great attraction on this occasion was the fine paper by E. G. Hill, of Richmond, Ind., on "New Roses to Date," which is reproduced elsewhere in this issue. Letters were received from the New York, Pittsburg, Detroit and Tri-City florists' clubs thanking the members of the club for their courtesies during the recent convention of the Society of

American Florists. Chairman French of the good of the club committee announced that the next regular meeting, November 7, would be ladies' night. Chairman Farley of the bowling club stated that some progress had been made in organizing a tournament but desired better attendance of members on bowling nights, which are every Tuesday night, at Bensinger's alleys, 29 West Randolph street. L. Hrudka, 2619 Herndon street, was elected to membership.

Cleveland.

RAINS HELP GROWERS.

The rains have certainly been good to the growers of outdoor flowers, as thousands of dahlias and cosmos in good quality arrived Saturday. Chrysanthemums too are arriving in larger quantities, all colors, but large flowers are in the minority. Violets, both single and double, can now be had in the local market, and the quality, both in size and color, is good for this time of the year. Lily of the valley has been more plentiful. Orchids are moving nicely. Pansies have arrived. Swainsonia cleans up daily. Carna-

GOLDFISH

"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog.



AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO

tions are about the same in quality although the supply is limited, and late buyers find it hard to fill orders. Roses of all grades are plentiful, American Beauties being perhaps mostly in demand, especially the long-stemmed stock. Aaron Ward roses are in fine shape and clean up daily.

C. F. B.

"The Busiest House in Chicago."

MUMS

Extra Large White and Yellow Blooms of the Finest Possible Quality.

ROSES, CARNATIONS, VIOLETS

And all other seasonable stock. We will have a regular supply of home grown single and double violets from now on and would suggest that you place a standing order with us. **WE WANT YOUR BUSINESS.**

Mrs. F. King—**GLADIOLI**—Augusta

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

D. E. FRERES.

WHOLESALE FLORIST

162 North Wabash Ave.,

Phone, Central 3373

CHICAGO.

CUT FLOWERS

Roses, Carnations and
all Greens in Season.

Once a Customer, always a Customer.

Milwaukee.

STOCK VERY SCARCE.

Stock is very scarce, especially carnations. Roses are cleaning out readily at good prices. Chrysanthemums are coming in a little more plentiful, and with the bright weather prevailing there ought to be more stock coming in. Dahlias and gladioli are also gradually going out of the market. Lily of the valley and lilies are very scarce. There are plenty of greens to fill all orders.

NOTES.

Gust. Baerman is hard at work putting up his range of greenhouses. The benches are complete and the posts up ready for the roof. He expects to have them completed before the cold weather sets in. He intends growing carnations and bulb stock for the local market.

Manke Bros.' houses are all planted and the stock looking very fine, but as yet they are not cutting any as they pinched back in order to get a better growth on their plants.

Gust. Rusch & Co. are operating a new auto truck for delivery and are well pleased with the results. This

firm reports business very good but stock very scarce.

The Edlefsen & Leidiger Co. are well pleased with their new auto and they have practically done away with two of their delivery wagons.

The Schroeder Floral Co. says that their stock is in the best of condition and they are cutting some nice carnations.

Fred Guttermuth is beginning to cut mums daily and he expects to cut quite heavily in the near future.

The C. C. Pollworth Co. is selling some fine yellow mums which are going at very good prices.

The Holton & Hunkel Co. is cutting a few roses from its Brown Deer plant which is right on crop.

Fred Schmeling is sending some very good carnations to the local market.

W. C. Zimmermann says that he is busy all of the time.

The Currie Bros. Co. reports business very good.

G. R.

CINCINNATI, O.—John Kilgour has been granted a permit to erect a greenhouse on Read street at a cost of \$2,700.

Buffalo.

WEATHER AND TRADE BOTH FINE.

Ideal fall weather with flowers that are adaptable to any kind of work is what we are getting now. Chrysanthemums in yellow, white, pink and some of the small varieties, mostly white, are coming in. Cosmos, dahlias and calendulas are very acceptable for all work. Carnations are getting better daily but with the coming of chrysanthemums their call will be much lessened. Killarney, Maryland, Taft and Carnot roses are unusually good and plentiful.

NOTES.

The Fashion Show which was held the first part of the month was one of the events of the season. The latest in everything was to be seen. S. A. Anderson had a booth which for attractiveness in wedding decorations, bride's bouquets, maid's bunches, corsages and table decorations were innovations. It drew much favorable comment.

Weddings have been numerous the past week and gave the florists plenty of work. For October the trade as a whole has been good. Several conventions have called forth many decorations.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, 'Mums, Dahlias and Greens of all kinds.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones: { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing



Mention the American Florist when writing

tions for banquets which were handled by the different florists in such a manner as to call for praise from the press.

Active preparations are being made by all to make the flower show a success in every way. The organ recital and concert that will be given on Sunday will help greatly. The press is interested and that is a great help.

BISON.

CHAMPAIGN, ILL.—The State Horticultural Society has offered prizes for the best essays on horticultural subjects by children of the public schools.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Oct. 16.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 30-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 8 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Kaiserin Augusta Victoria..	3 00@ 8 00
" Lady Hillington.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	2 00@ 4 00
Cattleyas..... per doz.,	6 00
Chrysanthemums doz.,	2 00@ 4 00
Orchids Dendrobium, per doz.,	5 00
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Valley.....	2 00@ 4 00
Lilium Harrisii.....	12 00
Violets, Princess of Wales.....	75@ 1 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000,	1 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000,	5 00
Plumous Strings, each,	50@ 60
Smilax..... per doz.,	1 50@ 2 00
Sprenger, Plumous Sprays.....	3 00@ 4 00

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

CC. POLLWORTH CO.

Plant Cold Storage Lilies now and cut them after 'Mums are gone. Write for prices.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Philadelphia.

BUSINESS LAGS.

Trade the past week seems to have lagged a little. There has been an enormous quantity of stock shipped in. The warm weather, in which the temperature has been considerably above the normal, (last Saturday being the warmest twelfth of October in the history of the weather bureau), has brought the dahlias out in full flower everywhere, and all growers are shipping to the limit. Cosmos is also coming by the wagon load. The chrysanthemums are also coming fast, all the early varieties being almost at their height. They have sold very well, considering the quantity on the market. Polly Rose, Early Snow, Pacific Supreme, Monrovia, Cremo and Chrysolora are leaders. Roses are also plentiful and of much better grade. American Beauties are more than sufficient for all demands and the quality is all that can be asked for the season. The Taft rose looks likely to become a standard sort provided it flowers well through the winter. Its light pink shade is a decided addition to the list. The Killarneys are fast getting into winter form and the newer sorts among the shades of yellow are meeting with favor with the public. Carnations are ahead of the demand, having to meet so much competition. Gardenias are plentiful and valley about cleans up. Violets are much improved. The first local doubles were offered last week. K.

COLLEGE STATION, TEX.—The state has completed its new greenhouse at the agricultural experiment station here at a cost of \$1,500. Dr. F. H. Blodgett, plant pathologist, is conducting some valuable experiments.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Oct. 16.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
first.....	8 00@16 00	
Brides and Maids.....	4 00@10 00	
Killarney.....	3 00@10 00	
White Killarney.....	3 00@10 00	
Liberty.....	3 00@10 00	
Cattleyas.....	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Dahlias.....	2 00@ 4 00	
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@ 5 00	
Marguerites.....	75@ 1 00	
Snappdragons.....	3 00@ 6 00	
Sweet Peas.....	40@ 50	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Oct. 16.		Per 100
Roses, Beauty, special.....	25 00	
extra.....	12 00@20 00	
No. 1.....	6 00@10 00	
Killarney.....	2 00@ 6 00	
My Maryland.....	2 00@ 6 00	
Richmond.....	2 00@ 4 00	
Asters.....	1 00@ 4 00	
Cattleyas.....	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli.....	2 00@ 4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@ 4 00	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, Oct. 16.		Per 100
Roses, Beauty, per doz., 75@2 50		
Killarney.....	3 00@ 8 00	
Richmond.....	3 00@ 8 00	
White Killarney.....	3 00@ 8 00	
Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@10 00	
Carnations.....	2 00@ 3 00	
Chrysanthemums, white and yellow..... per doz., 1 50@3 00		
Dahlias.....	2 00@ 3 00	
Gladioli.....	2 00@ 3 00	
Lilium Gigantum..... per doz., 1 75		
Lily of the Valley.....	3 00@ 4 00	
Adiantum.....	1 50	
Asparagus..... per string, 50		
Sprengeri, per bunch, 25@ 35		
Ferns, Fancy..... per 1000, 1 50		
Oak Sprays, prepared.....	1 00	

PITTSBURG, PA.—T. A. Mellon will build a greenhouse at 401 North Negley avenue.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., Both L. D. Phones, ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Mention the American Florist when writing

"Mastica" for Glazing

Per Gallon \$1.35. Special price on large lots.
Machine for applying Mastica, \$1.25 each.
Peerless Glazing Points per 1000, 60 cents.
Per 5000 at 55 cents per 1000.

GEO. H. ANGERMUELLER,

Wholesale Florist,

1324 Pine Street, ST. LOUIS, MO

Mention the American Florist when writing

Dahlias, \$1.50--\$3.00 per 100

You cannot afford to be without them. Your stock is not complete if you omit Dahlias. Our growers select their varieties very carefully. We can give you all the new and best commercial varieties for cut-flower purposes. All regular orders and orders placed in advance are packed at the farm. This gives you a better selection and avoids more than one handling.

LET US SUPPLY YOU.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

MONTREAL FLORAL EXCHANGE, LTD.

Frank McKenna, Pres.

Wm. Cotter, Mgr.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION

furnished at short notice. Consignments solicited.

Canadian Grown Flowers a Specialty.

Strictly Wholesale.

Best of references.

123 Mansfield Street,

MONTREAL, P. Q.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

American Beauty, Valley, Carnations,
Killarney, Richmond, Maryland, and
other seasonable stock. :: :: ::

Wholesale Flower Markets

BUFFALO, Oct. 16.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
Maid and Bride.....	00@ 6 00
Pink Killarney.....	00@ 6 00
White Killarney.....	00@ 6 00
Richmond.....	00@ 8 00
My Maryland.....	00@ 6 00
Kaiserin.....	00@ 8 00
Carnot.....	00@ 7 00
Carnations.....	1 00@ 2 50
Chrysanthemums, white.....	8 00@15 00
yellow.....	10 00@15 00
Dahlias.....	1 00@ 2 00
Gladioli.....	2 00@ 3 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Swainsona.....	50@ 1 00
Violets.....	50@ 60
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengerii.....	35@ 50
Ferns.....per 1000, \$1 50	
Galax.....per 1000, \$1 50	
Smilax.....	15 00

BOSTON, Oct. 16,	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	2 00@ 4 00
" " Bride, Bridesmaid.....	50@ 6 00
" " Extra.....	1 00@ 8 00
" " Killarney and Richmond.....	1 00@ 8 00
" " My Maryland.....	2 00@ 8 00
" " Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 3 00
Callas.....	8 00@12 00
Cattleyas.....	35 00@50 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	50@ 1 00
Smilax.....	12 00@16 00

CINCINNATI, Oct. 16,	Per 100
Roses, Beauty.....per doz., 50@ 3 00	
" " Bride, Bridesmaid.....	2 00@ 8 00
" " Killarney.....	2 00@ 8 00
" " My Maryland.....	2 00@ 8 00
" " Perle.....	2 00@ 8 00
" " Richmond.....	2 00@ 8 00
" " Taft.....	2 00@ 8 00
Chrysanthemums, doz. 1 00@ 3 00	
Carnations.....	2 00@ 3 00
Lilium Giganteum.....	12 50
Lily of the Valley.....	3 00@ 4 00
Sweet Peas.....	50
Violets.....	50
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengerii.....per bunch,	25



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburgh, Pa.

ST. LOUIS, Oct. 16,	Per 100.
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" " Killarney.....	2 00@ 4 00
" " My Maryland.....	3 00@ 5 00
" " White Killarney.....	2 00@ 6 00
Asters.....	1 00@ 2 50
Easter Lilies.....	10 00
Gladioli.....	3 00@ 4 00
Lilium Rubrum.....	5 00@ 6 00
Valley.....	4 00
Asparagus Sprengerii.....	2 00@ 3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy.....	1 50

INDIANAPOLIS, IND.—The Wiegand's Son's Co. has incorporated with a capital stock of \$30,000. G. B. and H. L. Wiegand and C. R. Greene are the incorporators.

—THE— J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

New York.

EVERYTHING IN OVERSUPPLY.

Conditions in the wholesale market could not be much worse than they are at the present time. There is an oversupply of everything, and the quality of all the stock coming in is very good. But with it all the situation is no different than it has been for years at the same time. There have always been weeks where the shipments have been very heavy and have accumulated. When the supply of chrysanthemums is so great it is a natural course of events that prices on roses and carnations must be lower. But each year chrysanthemums of the better varieties seem to come in earlier and the prices have a downward tendency. The situation this week appears worse because for days previous the demand had been so much better, and prices obtained were much more satisfactory. Roses are plentiful, and while a few of the choicest blooms sell at good figures, the majority of the shipments are disposed of at very low prices. This applies to all varieties. American Beauties are doing well if not better than any others. Carnations are very plentiful, and while the quality of the flowers is very good, they are as a general rule very short stemmed. Lilies are now in oversupply and are moving slowly. Lily of the valley is plentiful and of exceptionally good quality. Orchids are over stocked and also of exceptionally good quality. The quantity is so great that the flower departments of the different large stores are offering them at prices usually quoted at wholesale. There is still a deluge of hydrangeas, cosmos, dahlias and other outdoor-grown flowers. Gardenias are of very fine quality, but even the best of these do not meet with ready sale. Violets have improved very much, and the call for these is more regular. Heavier shipments of asparagus plumosus are arriving from the south and meet with good demand.

NOTES.

The death of Henry Hession, the well-known carnation grower of Flatbush, N. Y., has cast a gloom over the entire wholesale market. Mr. Hession was one of the old-time florists, being connected with the business all his life, and while he was only fifty-three years old when he died, his knowledge and experience covered a period of thirty-five years. The flowers sent in from his establishment were second to none in quality. He died suddenly as the result of an operation. The funeral was held October 12.

Charles H. Totty, in addition to his arduous duties as chairman of the National Flower Show committee, is also chairman of the local republican committee of Morris county, N. J., and when not making addresses himself each night has to provide a program of other speakers.

The New York & New Jersey Plant Growers' Association recently made one of their inspection trips among the nearby New Jersey plant growers. It is reported that all had an enjoyable time and found all of the establishments in splendid shape for the coming busy season.

The case of Henry Weston of Hempstead, L. I., against the Nassau and Suffolk Lighting Co. was decided in favor of Mr. Weston, who was awarded a verdict to the amount of \$1,000. Mr. Weston sued for damages sustained through a leak in one of the gas mains.

The officers and directors of the Growers Cut Flower Co. held an important meeting Saturday, October 12. They were all satisfied with the business being done, and acted upon sev-

eral suggestions to still further increase their large wholesale business.

William Zimmerman, son of Franz Zimmerman, who died of blood poisoning Wednesday, October 9, was a well-known salesman in the New York Cut Flower Exchange, where for years he sold the flowers from his father's extensive place at College Point, L. I.

Philip F. Kessler, John Meisem, John Donaldson and John Birnie visited the extensive carnation range of Schneider & Noe at Congers, N. Y., Thursday and were very favorably impressed with the general good condition of this establishment.

Herbert A. Joslin, who with his wife conducted a retail flower store for years on upper Broadway, died at Allston, Mass., October 3 and was buried Sunday, October 6, with Masonic services.

Anton Schultheis, the well-known grower, is making elaborate preparations for an extensive exhibition of ericas and blooming plants at the coming great International Flower Show.

Harry A. Bunyard, secretary of the National Sweet Pea Society, has been in Boston during the past week with W. Atlee Burpee on business of the society.

New York Florists' Club.

A very successful meeting was held Monday night, October 14, one hundred and fifty being present. Resolutions were read on the death of William R. Smith and Mrs. Alexander Burns. Chairman Hendrickson reported great headway for the publicity committee. Posters will be sent retailers for Halloween night to advertise flowers for that occasion. Five new members were elected, six were proposed and two resignations received.

Harry Bunyard's lecture on the International Show in London was a great success. Mr. Bunyard used seventy slides to illustrate his talk. There were exhibits of chrysanthemums, dahlias, roses and carnations. Five new roses were shown. Mrs. George Shawyer, exhibited by Chas. H. Totty, scored eighty-nine points. The display of outdoor chrysanthemums by the same exhibitor was highly commended. The carnation Salmon Beauty by Traendly & Schenck received a preliminary certificate. Dahlias by John Lewis Childs, Floral Park, and an Ipomea by W. A. Manda, South Orange, N. J., received honorable mention. W. A. Manda also won honorable mention for double dahlias, as did

R. Vincent, Jr., & Sons Co., White Marsh, Md.; the Bergenfield Nurseries, Bergenfield, N. J., and J. Murray Bassett, Hammonton, N. J. The carnation William Eccles, exhibited by Scott Bros., received a preliminary certificate. Dahlias exhibited by Alexander Hogg and cosmos by A. T. Boddington, New York, received honorable mention.

Y.

Westchester and Fairfield Hort. Society.

The monthly meeting of the society was held in Greenwich Friday, October 11, with a large attendance and with President Stuart in the chair. Two applications for membership were received and four members elected. The next meeting will be held November 15, the week following the fall show. There was a fine display of flowers on the exhibition table. P. W. Popp won first prize for the best collection of dahlias, with Harry Wilde a good second with a well-selected collection. James Stuart was awarded a certificate of culture for a splendid vase of hybrid Neriums; vote of thanks to R. Barton for dahlias; H. Wilde for apples and A. Petersen for grapes. Hybrid Cattleya by the Geo. E. Baldwin Co. was highly commended. The schedule for our fall show was distributed to the members. Any one wishing tickets for the show can secure them from — Sealey, Port Chester, N. Y. Schedule and entry blanks may be had of Oscar E. Addor, Larchmont, N. Y.

OSCAR E. ADDOR, Sec'y.

Southampton Horticultural Society.

The regular meeting of the society was held in the Odd Fellows hall October 3, President U. G. Ager in the chair. It was voted to offer \$25 in gold as an award at the National Flower Show to be held in New York next April, the class to be decided on by the management. It was voted unanimously to have this society incorporated, the necessary steps to be taken at the next meeting. The essay committee was instructed to ask Mr. Fullerton of Wading River to lecture before this society at some date in the near future. The regular meetings of the society for the winter are the first and third Thursdays of each month.

WM. MCLEOD, Sec'y.

HUTCHINSON, KAN.—George Schurr has sold his greenhouse to Harry P. Miller. Mr. Schurr will move to California.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

131 & 133 WEST 28th ST
Phones: 798 and 799.

NEW YORK

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Fines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH, Successor to
John I. Raynor,
Wholesale Commission Florist, **SELLING AGENTS FOR LARGEST GROWERS**
The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.
Telephones, 1328, 1998 Madison Square
49 West 28th Street New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK, Oct. 16.	Per 100
Roses, Beauty, special.....	10	00@25 00
extra and fancy ..	6	00@10 00
No. 1 and No. 2 ..	1	00@ 6 00
Bride, Bridesmaid special.	2	00@ 5 00
extra and fancy.....	1	00@ 3 00
No. 1 and No. 2.....	50	@ 1 00
Killarney, My Maryland..	3	00@ 5 00
extra and fancy 2 00@	3 00	
No. 1 and No 2	50	@ 1 00
Taft, Hillingdon, Aaron	50	@ 6 00
Ward.....	50	@ 4 00
Richmond.....	8	50@12 00
Sunburst, special.....	50	@ 1 00
Asters.....	50	@ 2 00
Carnations.....	25	00@50 00
Cattleyas.....	4	00@15 00
Gardenias.....	4	00@ 6 00
Lilies, Longiflorum and Harrisii ..	2	00@ 3 00
Lily of the Valley.....	15	@ 50
Adiantum Croweanum.....		

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**121 West 28th St., NEW YORK
Telephone 3870-3871 Madison Square.

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 551 Madison Square
CONSIGNMENTS SOLICITED.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

BOUQUET GREEN

Best quality at lowest rates. We gather our own Greens and bring by boat direct. Christmas Trees and Boughs for Cemeteries. Northern Michigan Evergreen Nursery, H. Schuenemann, S.-W. cor. Clark St. Bridge, CHICAGO.

Columbus, O.

TRADE ACTIVE.

October has opened with prospects exceptionally bright. There has been an improvement in the market owing to a scarcity of stock. Retailers have been forced to pick up stock wherever and whenever possible. There has been a big increase in demand for carnations. The local cuts are much heavier, but not large enough to meet the demand. Stems are of fair length and the quality is good. More orders have been received and larger ones filled than for the corresponding time last year. Roses are being cut in large quantities and of good quality. The demand and supply are about equal. Chrysanthemums now are the favorite. Although a little slow in coming, they will soon be had in great quantities.

NOTES.

The Cottage Rose Gardens have a fine lot of roses which show excellent care. They are busy propagating geraniums, having about 10,000 in sand.

A look around the establishment of the Riverside Floral Co., shows the stock in good growing condition. This firm reports business brisk, the receipts being larger than at any time since starting in business.

Mrs. E. M. Krauss, formerly with the Riverside Floral Co., has been engaged to take charge of the floral department of the Charles R. Holt Co., 610 W. Broad street.

Miss Margaret Evans, 1179 E. Main street, is erecting a modern dwelling house. She reports heavy funeral work, and many weddings on for future dates.

The force at the Livingston Seed Co.'s greenhouses is very busy potting azaleas, planting spring bulbs and digging roses from the field.

Jacob Reichert, formerly with the Franklin Park Floral Co., has been employed as an assistant by Sherman Stephens.

Since the cold snap all hands have been busy gathering miscellaneous stock and filling the sand with cuttings.

The Munk Floral Co. is cutting a large number of exceptionally fine roses which meet with a ready demand.

A visit to the John R. Hellenthal establishment found everyone busy. They report many weddings.

Edward Berno of the Berno Floral Co., Mansfield, O., called on the local trade last week.

L. S. B.

SIoux CITY, IA.—J. S. Michael has started work on a new store building to cost \$15,000.

MADISON, WIS.—The University of Wisconsin has completed its new horticultural building at a cost of \$60,000.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50 pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY, M. E. Proffitt, Prop.

All greens guaranteed to come up to your standard of quality.

Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	40c per 1000, 1.75 per case (5,000)

Terms Cash. Prompt Shipment.

No orders too small to have our attention.

BANNERS ELK, N. C.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, - - - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av New York
Telephone 1202 Madison Square.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
moss.

\$1.50 per barrel.

JAMES DAY,

MILFORD, N. H.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet
MOSSSES

E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND AND NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heimpl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



A sign like this in your window will draw good business now.

Steamship Sailings.

FROM NEW YORK EXCEPT AS NOTED.

October 23.

Mauretania, Cunard.

Argentina, Austro-American, 1 p. m.

October 24.

FROM MONTREAL AND QUEBEC, Lake

Champlain, Can.-Pac., daybreak.

Carpathia, Cunard.

Uranium, Uranium.

Oscar II, Scand.-American, 2 p. m.

Baltic, White Star, 12 noon.

FROM MONTREAL, Virginian, Allan.

October 25.

FROM PHILADELPHIA, Manitou, Red Star,

10 a. m.

Asiatic Prince, Prince.

Friedrich Der Grosse, North Ger. Lloyd, 10

a. m.

October 26.

Columbia, Anchor, 9 a. m., Pier 64, North

River.

FROM MONTREAL, Athena, Donaldson.

FROM MONTREAL, Ascania, Cunard.

Philadelphia, American, 9:30 a. m., Pier 62,

North River.

FROM PHILADELPHIA, Haverford, American,

10 a. m.

FROM MONTREAL, Megantic, White Star, at

daybreak.

America, Navigazione, Pier 63, North River.

Oratavia, Royal Mail, Pier 42, North River.

FROM MONTREAL AND QUEBEC, Hesperian,

Allan.

October 27.

FROM MONTREAL, Lake Erie, Allan.

October 29.

FROM BOSTON, Franconia, Cunard.

Potsdam, Holland-America, 10 a. m.

October 30.

FROM PHILADELPHIA, Prinz Adalbert, Ham.-

Amer., 11 a. m.

Kronland, Red Star, 10 a. m., Pier 61, North

River.

October 31.

Perugia, Anchor, Pier 64, North River.

Cedric, White Star, 12 noon.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg

Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Barteldes Seed Co., Oklahoma City, Okla.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bold-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hateber, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kelllogg F. & P. Co., Geo. M., Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Willson," 8 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 58 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON
D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**To **THOS. F. GALVIN, Inc.,**

1124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Oklahoma City, Okla.—Barteldes Seed Co.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Zieger Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO**Podesta & Baldocchi**

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only
the
Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by**HENRY SMITH,**

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—
CANAL ST.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Nassau County Horticultural Society.

ANNUAL DAHLIA EXHIBITION.

The annual dahlia exhibition of this society was held October 9 at Pembroke Hall, Glen Cove, L. I., and was a great success in every way. Not only were dahlias shown but many other seasonable flowers and vegetables as well. A large table was taken up with school children's exhibits, in which visitors took a great interest. In the class for the Dreer cup, 50 varieties of dahlias, Mrs. E. M. Townsend, Oyster Bay (James Duthie, gardener), was first; H. W. Bucknall (G. Barton, gardener), second. Other successful exhibitors in the dahlia classes were James Kirby, H. Boettcher and J. O'Brian. The Townsend cup for collection of outdoor roses was won by Miss E. Laden (J. Adler, gardener); J. T. Pratt (J. W. Everett, gardener), second. Thorburn's cup for 12 kinds of vegetables was keenly contested for, there being eight entries. Mrs. H. L. Pratt (H. Gant, gardener), was first; A. G. Hodenpyl (F. Patroccia, gardener), second. Hodenpyl prize, 6 kinds of vegetables, Mrs. H. L. Pratt, first; J. H. Ortle, second. In the fruit classes the winners were James Holloway, J. T. Pratt, Mrs. H. L. Pratt and W. V. Hester. The special awards were: J. Kirby, for seedling dahlia, C. C.; Mrs. C. D. Smithers, vase dahlias, C. C.; A. G. Hodenpyl, vase of dahlias, C. C.; James Holloway, vase dahlias, honorable mention. In the evening the regular monthly meeting of the society was held with a good attendance. The programme for the chrysanthemum show was gone over and everyone looks for the most successful exhibition this society ever held. Robert Jones and H. Goodband, Glen Cove, were elected to active membership. JAMES MACDONALD, Sec'y.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Oklahoma.

Barteldes Seed Co
FLORAL DEPARTMENT

Cut Flowers and Funeral Designs.

Oklahoma City,

Okla.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsteriana—Made up					
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	36.....	\$ 2 50	\$30 00
3-in.	5	12.....		2 00	7-in.	4	36 to 40.....	3 00	36 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	40 to 42.....	4 00	48 00
5-in.	6 to 7	18.....	50	6 00	9-in.	4	42 to 48.....	5 00	60 00
6-in.	6 to 7	24.....	1 00	12 00	9-in.	4	48 to 54.....	6 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	28 to 30.....	1 50	18 00	12-in.	4	5½ to 6½ ft.....	15 00	
Cedar tub Leaves				Doz.	Phoenix Roebelenii				
7-in.	6 to 7	In. high.	Each	30 00	5-in., nicely characterized.....			Each	\$1 00
9-in.	6 to 7	34 to 36.....	2 50	48 00	6-in., 18 to 20-in. spread.....			1 50	
9-in.	6 to 7	40 to 45.....	4 00		Cedar tub	High	Spread	Each	
9-in.	6 to 7	42 to 48.....	5 00		7-in.	18 in.	24-in.....	\$2 00	
9-in.	6 to 7	48 to 54.....	6 00						
9-in.	6 to 7	5 ft.....	8 00						
9-in.	6 to 7	6 to 7 ft.....	10 00						
Cocos Weddellana				Per 100	Cibotium Schiedel				
Pot	In. high				Cedar tub	Spread		Each	
2½-in.	8 to 10.....		\$10 00		7-in.	2 to 2½ feet.....		\$2 00	
Areca Lutescens					9-in.	4 feet.....		4 00	
9 in.	Several	5 ft.	\$7 50		9-in.	5 feet.....		5 00	
					9-in.	6 feet.....		6 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station.
Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted—packed to reach you in good growing condition.

Ricard and Poitevine, \$15.00 per 1000.

S. A. Nutt, \$12.50 per 1000.

Carnations and Coleus in season. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington.....	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon.....	6 00	50 00
May Day.....	5 00	40 00
Sangamo.....	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

Begonia Glory OF CININNATI

250 strong plants in 3½-inch pots, ready for 6-inch pots, \$40.00 per hundred.

A. SUNDERBRUCH'S SONS,
CINCINNATI, O.

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress, - - -	\$6.00	\$50.00
Enchantress, - - -	6.00	50.00
C. W. Ward, - - -	6.00	50.00
Pink Delight, - - -	6.00	50.00

F. F. SCHEEL, SCHERMERVILLE, ILL.

FERNS.

A choice lot of 4-inch

BOSTONS
At 10 Cents Each.

Also a fine lot of

Bench Grown Roosevelts
Ready for 4 and 5-in. pots,
15 Cents Each.

They are worth more money but we need the room
ADDEMS, MORGAN & CO.,
PAXTON, ILL.

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.
American Florist Co.,
440 S. Dearborn Street, CHICAGO

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides. Chinese. Forbesi. Obconica Alba. Rosea. Lilac. Rubra. Hybrida. Compacta. Carmine. Blue. Sanguinea. Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100; 2½-in., 2c.

FERNS.

From bench. Boston. 5-in., 12c. Whitmani. 4-in., 10c; 5-in., 12c. Amerpohli. 4-in., 12c; 5-in., 15c.; Scholzei. 3-in., 8c; 4-in., 12c.

Pansies, Giant varieties \$2.50 per 1000
Yellow Daisy, 2½-in. 2c
Flowering Begonias, 6 kinds, 2-in. 1½c
Cash. BYER BROS., Chambersburg, Pa.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin, N. J. Williamstowne Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Millford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

W. ATLEE BURPEE, Philadelphia, Pa., says the outlook for the coming winter and spring is very good indeed.

VISITED CHICAGO: Henry Nungesser, of the Nungesser-Dickinson Co., New York; J. B. Agnew, Visalia, Calif.

CHICAGO.—Prices on the Board of Trade October 16 for grass seed were noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.—At Vaughan's Seed Store they say fall bulb trade continues good although the bulb dealer is about ready for cooler and better weather for planting.

ALLING WOODRUFF, of S. D. Woodruff & Sons, will be married at Woodmont, Conn., October 17, to Miss Dorothy Blackhall. Mr. Woodruff is located at the New York warehouse of S. D. Woodruff & Sons. Mr. and Mrs. Woodruff sail for Europe on the Majestic for a six-week honeymoon trip.

LOUISVILLE, KY.—Fall trade, according to Wood, Stubbs & Co., has been good. They have had nice trade on seed wheat, rye, timothy and other grass seed, though trade on orchard grass has been slow. They anticipate, however, good demand for this in the spring but do not think the crop will be unusually large, but most of it will be used.

NEW ORLEANS, LA.—Chris. Reuter says that the demand for such short items as beets, carrots, parsley and other biennials has been remarkable, considering the high prices prevailing. Judging from the present conditions, he thinks that the demand for alfalfa, millet, clover, grass seeds and all vegetable seeds will be greater than ever in the south.

NEW YORK.—J. M. Thorburn & Co. report that their fall business this year has been most satisfactory. The demand for bulbs seems to be more marked than usual, so much so that, early in the season as it is, they are completely sold out of many of the leading articles. They have had about the usual demand for seeds that they always have at this season.

MILWAUKEE, WIS.—A. Currie & Co. state the seed business here is normal with no great activity in any line. Fall bulbs are in good supply and the quality is generally very good. Sales in a retail way are quite equal to former years and only a killing frost is needed to make outdoor planting general. Florists are planting about the usual quantity of the forcing sorts.

DENVER, COLO.—The Barteldes Seed Co. claims that owing to the warm and open weather the retail trade in bulbs has not been very brisk until the past week, but they have done an excellent business with the florists, their bulb stock moving very rapidly, in fact more than heretofore, and they are entirely sold out of a great many varieties. Along the line of bulbs, they say that the outlook is very promising for fall and winter trade.

ROCHESTER, N. Y.—James Vick's Sons are now quite at home in the well appointed new store, though some work is still done at the old stand. Work on the new catalogue is making satisfactory progress.

European Seed Crops.

The reports from the seed growing sections of France and Germany continue unfavorable. The rain has done a great deal of damage. The seed already is practically in such condition that it cannot be threshed. In a general way beets are a failure in France and Germany. Carrots are fairly good. In lettuce the late varieties are a failure while the early kinds are fair. Onions fair; leek still doubtful; cabbage very poor. This applies both to German and French sections.

Marigolds, scabiosa zinnias and asters will be very poor in yield. This is particularly the case in late asters. Snapdragons, mignonette and ten-week stocks promise fair yields. Pansies on the whole have yielded poorly, although many flowers were produced.

It will be advisable for dealers to cover early on most items, there being no stock carried over to speak of and there will be hardly enough of the new crop to go around.

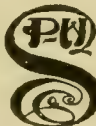
Iowa Seedsmen.

Seed legislation, truck gardening and the development of farms were the principal topics discussed at the annual convention of the Iowa Seed Dealers' association, which was held

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

at the Chamberlain hotel, Des Moines, last week. The officers elected at the conclusion of the session were: M. L. Webster, Independence, president; Henry Field, Shenandoah, vice-president; B. H. Adams, Decora, secretary; John P. Hamilton, Cedar Rapids, treasurer. During the meeting addresses were made by Professors H. D. Hughes, L. C. Burnett and A. T. Erwin of the Iowa State college, Henry Wallace, editor of Wallace's Farmer; W. P. Barney, state dairy commissioner, and Geo. H. Dicks, of Cooper, Taber & Co., London, England.

Free Seeds Confiscated.

Richmond, Va., October 7.—Postmaster S. M. Mealy of Latana, Goochland County, was indicted by the grand jury in the United States District court today. He is charged with confiscating packages of free seed sent through the mails by Senator Thos. S. Martin and Representative John Lamb to their constituents. It was charged by the government that the postmaster, who also conducts a store, believed the free distribution would injure his own seed business.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS,
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—

FALL BULBS SELLING FAST

Still have stock of all late and a few early varieties.

Special Prices:

FREESIA REFRACTA ALBA EXTRA LARGE.

\$0.75 per 100; \$6.75 per 1000.

MAMMOTH BULBS

\$1.00 per 100; \$9.00 per 1000.

LILIUM HARRISII

6-7 inches

\$0.75 per doz.; \$3.50 per 100.

For florists and dealers only. Mention this ad.

JAMES VICK'S SONS.

ROCHESTER, N. Y.

Seedsmen requiring the very best selections

Garden Seeds

(Vegetable and Flower), especially

Kelway's Celebrated English Strains

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Mention the American Florist when writing

BERLIN VALLEY PIPS.

High grade quality from
New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, - - NEW YORK

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.



H. WREDE, LUNEBURG, GERMANY PANSY SEED

178 First Prizes, the highest awards
Chicago, Paris, London, Bruxelles,
1000 seeds, finest mixed...25c
1 oz. ...\$2.25

Price list on application.

Cash with order.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

THE J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan
and Wisconsin.

MILFORD, CONN.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.
Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, - - Oklahoma

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.

Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - - - \$9.50
In lots of 500 lbs., - - - 9.25
In lots of 1000 lbs., - - - 9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and Elliott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
Rubrum, 9 in.-11 in. per 100.. 9.00
Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.
PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Boston Ferns...

\$3.00 per 100. \$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.



Fall Bulbs

On Hand For
Immediate Shipment

The Bulbs we offer below are all of our Regular Importations (not auction
lots), in first class condition, and should give best possible results.

Lilium Multiflorum Per 1000
6-8-inch (400 bulbs to case) .. \$30.00

Dutch Hyacinths Per 1000
First Size, (our selection) .. \$50.00
Second Size " .. 33.00
Bedding Grade, single .. 22.00
" " double .. 24.00

Freesias Per 1000
Purity (extra size) .. \$17.50
" Mammoth .. 20.00

Narcissus (Single) Per 1000
Incomparable .. \$ 7.00
Sir Watkins .. 12.00

Narcissus (Double) Per 1000
Alba Plena Odorata .. \$ 5.50
Incomparable .. 8.00
Von Sion, Fancy Select .. 12.50
Von Sion, First Size .. 10.00
Von Sion, XXX, Double Nose .. 20.00

Narcissus Paper Whites
Grandiflora Per 1000
Fancy (1250 bulbs to case) .. \$ 9.00

Chinese Narcissus Per 1000
Select (120 bulbs to mat) .. \$35.00

Gladiolus. Per 1000
Blushing Bride .. \$4.50
The Bride .. 5.00

Tulips (Single) Per 1000
Cottage Maid .. \$ 7.25
Pottelbakker, White .. 11.00
" Scarlet .. 11.50
Proserpine .. 18.00
Rose Luisante .. 16.50
Thos. Moore .. 6.25
Vaughan's New Pink .. 8.50
Vermilion Brilliant .. 16.00

Tulips (Double) Per 1000
Crown of Roses .. \$17.00
Duke of York .. 7.00
Lord Roseberry .. 13.50
Titian .. 12.00
Tournesol Red and Yellow .. 17.00

Tulips (Late Flowering) Per 1000
Bouton d'Or .. \$ 9.75
Gesneriana Sphatulata .. 10.00
Isabella .. 7.50
Maiden Blush .. 8.50
La Merveille .. 7.00
Sweet Nancy .. 8.25

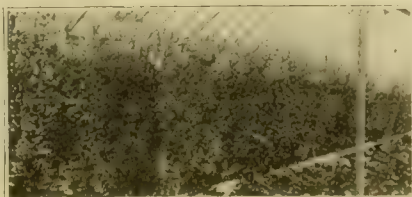
Darwin Tulips Per 1000
Glow .. \$17.50
Gretchen .. 10.00
Pride of Haarlem .. 22.00
Salmon King .. 13.50
Sultan .. 9.00
White Queen .. 18.00
Mixed .. 10.00

VAUGHAN'S SEED STORE

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50. Cash, please. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

Ferns for Dishes

Best varieties, 2¼ in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Telegraph Code

Am. Seed Trade Association

— \$2 00 —

Either stiff or flexible covers. Address orders.

American Florist Co.,

Chicago.

QUALITY SEEDS
BULBS
PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

POEHLMANN QUALITY PALMS

And Plants Are Best.

Try Them and You will Have no Others.

We are particularly strong on everything mentioned in this ad, so let your orders come.

PALMS

Areca Lutescens.

7-inch.....\$1 50 to \$2 00 each

Kentia Belmoreana.

	Height	Each	Doz.	Per 100
4-in.....	12 to 15-in.	\$ 4.50	\$35.00	
5-in.....	15 to 18-in.	6.00	50.00	
5-in.....	18 to 20-in.	.75	9.00	
6-in.....	20 to 22-in.	1.00	12.00	
6-in.....	22 to 24-in.	1.50	18.00	
7-in.....	28 to 30-in.	2.50	30.00	
7-in.....	36 to 40-in.	4.50		
Specimens in tubs, 40 to 42-in.....	each.	\$ 8.00		
5 to 6 ft.....		15.00		

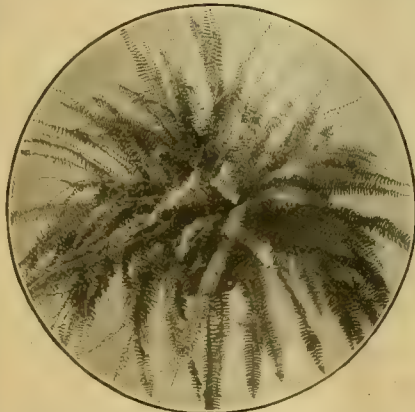
Kentia Forsteriana.

	Height	Each	Doz.	Per 100
4-in.....	14 to 16-in.	\$ 4.50	\$35.00	
5-in.....	20 to 24-in.	.75	9.00	
6-in.....	24 to 30-in.	1.00	12.00	
6-in.....	30 to 36-in.	1.50		
7-in.....	36 to 38-in.	2.50		
7-in.....	38 to 40-in.	3.50		
In tubs 44 to 50 in.		7.00		
Made up in tubs 28 to 30-in.....		\$ 3.50		
" " " 30 to 32-in.....		4.00		
" " " 40 to 42-in.....		5.00		
" " " 44 to 46-in.....		7.00		
" " " 50 to 60-in.....		10.00		

☛ Larger specimens in **Kentia Forsteriana** and **Belmoreana** ranging in prices from \$8.00 to \$16.00 each.

Phoenix Roebeleni.

Strong stock.
3-inch.....25c each; \$2 50 per doz.
4-inch.....50c each; 5 00 per doz.



Boston Fern.



Pandanus Veitchii.

Fine colored stock.

5-inch.....\$0 75 each; \$ 9 00 per doz.
6-inch.....1 50 each; 18 00 per doz.
7-inch.....2 00 each; 24 00 per doz

Dracaena Terminalis.

Fine color.

4-inch.....25c each; \$2 50 per doz
5-inch.....50c each; 5 00 per doz

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

We will have the following Blooming Plants in first-class stock for Fall and Xmas sales:

Azaleas for Xmas., in bloom..50c to 2 00 each
Begonia Glory of Cincinnati, 35c to 1 50 each
Cyclamen, 4-in. to 7-in 20c to 1 50 each
Poinsettias, in pans....from 50c to \$2 00 each
Primulas Obconica and **Malacoides**, in bloom.....25c to 75c each
Also **Smilax**, strong 3-in., \$4.50 per 100; \$40.00 per 1000.
Strong **Asparagus Plumosus**, 4-inch, \$10.00 per 100.

FERNS

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100
6-inch.....\$ 6 00 \$45 00
7-inch.....\$0 75 9 00
8-inch.....1 00 12 00
10-inch.....2 50 30 00
12-inch.....3 50

Cibotium Schiedei.

6-inch.....\$2 50 each

Ferns for Dishes.

12 of the leading varieties\$3 50 per 100
In pots.....\$32 50 per 1000
Out of pots.....30 00 per 1000
No better stock offered anywhere.

Araucaria Excelsa.

Good strong stock, 5-inch, 50c each; 4 to 5 tiers, 75c and \$1.00 each.

Christmas and New Cluster Peppers.

Finely fruited.
4-inch.....25c each; \$2 50 per doz
5-inch.....50c each; 5 00 per doz



SEND ALL PLANT ORDERS DIRECT TO

POEHLMANN BROS CO.

Plant Department

Morton Grove,

Illinois.

Market Gardeners

Vegetable Growers' Association
of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

TRENTON, MO.—B. A. Barnes, the well known local lettuce grower, has completed two new greenhouses, making him six in all. Mr. Barnes started ten or twelve years ago with one small greenhouse. He grows lettuce exclusively.

Prices of Indoor Fruits and Vegetables.

Chicago, October 14.—Mushrooms, 50 cents to 75 cents per pound; lettuce, 25 cents small cases; cucumbers, \$1.50 to \$1.75 per case of two and one-half dozen.

Potato Yield Lowers Price.

A report of the Bureau of Statistics of the United States Agricultural Department shows that the season's big yield of potatoes has resulted in lower prices to the consumer. The average price on October 1, according to the bureau, was 51 cents and one mill a bushel, a drop from 65 cents on September 1. The price is much lower than a year ago, when a bushel sold for 88 cents and 3 mills. A year before that, October 1, 1910, the price was 67 cents and 8 mills and on October 1, 1909, it was 4 cents and 3 mills.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mushroom Spawn



New Crop ENGLISH

Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00
100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,

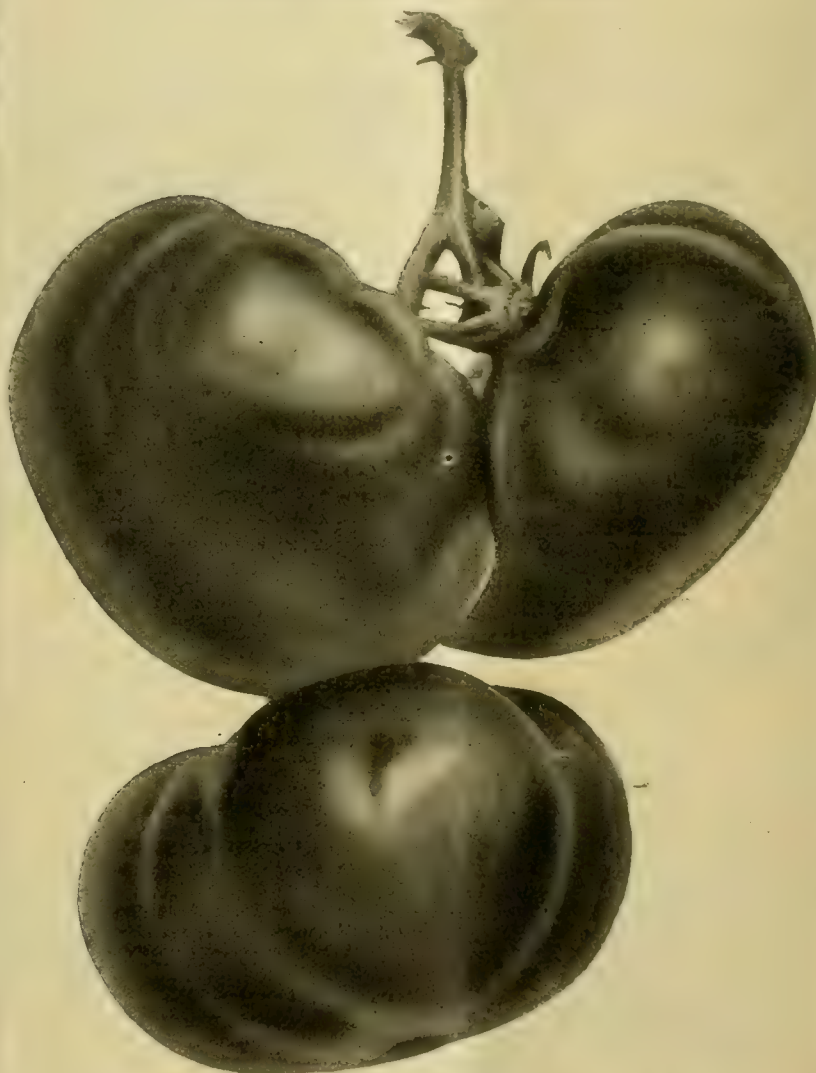
31 and 33 W. Randolph St., CHICAGO.

Seed Specialties In Vegetables

Paris Market Gardeners' Varieties in BEETS, CARROTS, CELERY, ONIONS, CABBAGE, CAULIFLOWER, LEEKS, SCARLET GLOBE, and All Other Varieties of RADISHES.

Choice Flower Seeds

In ASTERS, TEN-WEEK STOCKS, MIGNONETTE, PANSIES, VERBENAS, ZINNIAS and LOBELIAS.



A Novelty Which Is to Create a Remarkable Sensation
Is the New Variety of

TOMATO DAVY'S MILLIONAIRE

This new variety will take its place amongst the earliest sorts. The fruits are enormous, very fleshy, nearly free of seeds, almost smooth, of a deep scarlet color, and borne in clusters of three or four.

The giant size, earliness and the quality of the fruit will render this variety one of the very best introductions of the year.

DAVY, Arpajon, (S & O), France

A. BACHELOT, Traveling Representative in America.

Mr. Bachelot's headquarters are in care of The American Express Co., 65 Broadway, New York. Kindly write to that address for arrangements or quotations.

STOCK YOU NEED NOW

Select what you want from this **Special Wholesale Price List**, and order early, so as to avoid the risk of cold weather shipments.

Araucaria Excelsa.

	Each	Doz.
4-in., 2 to 3 tiers.....	\$0.50	\$ 6.00
6-in., 4 to 5 tiers.....	1.00	12.00
7-in., 4 to 5 tiers.....	1.50	18.00

Areca Lutescens.

	Each	Doz.	Per 100
3-in., 3 plants in a pot	\$2.00	\$15.00	
4-in., 3 plants in a pot	3.00	25.00	
6-in.....	\$1.50		

Asparagus Plumosus.

2 inch.....	\$3.00 per 100
3-inch.....	6.00 per 100
4-inch.....	\$1.50 per doz.

Asparagus Sprengeri.

3-in.....	\$5.00 per 100
-----------	----------------

Aspidistras.

Green, \$0.08 per leaf; Variegated, \$0.15 per leaf

BAY TREES.

	Each
Standard, 3 ft. stem, 24-in. crown	\$ 6.00
3½ ft. stem, 26-in. crown	7.00
" 4 ft. stem, 28-in. crown	8.00
" 4 ft. stem, 30-in. crown	12.00
" 4 ft. stem, 48-in. crown	20.00

Mission tubs up to 12-in. at \$1.00 extra.



BOSTON FERNS.

	Each	Doz.	Per 100
2-in.....		\$ 1.50	\$3.00
4-in.....			
5-in.....	\$0.25	3.00	
6-in.....	.50	6.00	
7-in.....	.75	9.00	
8-in.....	1.00	12.00	
9-in.....	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

BOXWOODS.

	Each
Obelisks, 5-ft. high 18-in. bottom measure.....	\$10.00
Square trimmed, 20-in. high, 15-in. diam.....	2.50
Globe shaped, 15-18 in. top, 15-18 in. high.....	4.00
Standard, 12 in. crown	1.50
" 15-18 in. crown	2.50
" 18-21 in. crown	3.00
" 21-4 in. crown	4.00
" 24-27 in. crown	6.00
" 32-34 in. crown, 3-4 ft. stem.....	9.00
" 36-38 in. crown, 18-24 in. stem.....	9.00
" 40-42 in. crown, 18-24 in. stem.....	10.00

Mission tubs up to 12-in. at \$1.00 extra.

Boxwood Bushes.

8-in.....	\$0.25 each	18-in., \$0.50 to \$0.60 each
12-in.....	.35 each	24-in., .75 to 1.00 each

Cibotium Schledel.

6-8 in.....	\$1.50, \$2.00 and \$2.50 each
-------------	--------------------------------

Cocos Weddelliana.

2-in.....	\$1.75 per doz.; \$14.00 per 100
-----------	----------------------------------

Crotons.

3-in.....	\$2.00 per doz.
4-in.....	\$0.50 each
5-in.....	\$0.75 and 1.00 each

Larger ones from \$3.00 to \$5.00 each.

Cycas Revoluta.

From 3 to 7 in., at 15c, 25c, 35c, 75c, \$1.00, \$1.25, \$1.50 and \$2.00 each.

Cyclamen Giganteum.

5-in.....	\$0.25 each; \$3.00 per doz.
6-in.....	.35 each; 4.20 per doz.

Dracaena Fragrans.

3-in.....	Doz. \$1.50
-----------	-------------

Dracaena Indivisa.

2-in.....	\$3.00 per 100	4-in.....	\$10.00 per 100
3-in.....	5.00 per 100	5-in.....	20.00 per 100

Euonymus, Variegated.

Silver and Golden, 2½-in.....50c per doz.

Ferns.

	Per 100
Assorted varieties for dishes.....	\$3.00

Ficus Elastica.

	Each	Doz.
4-inch.....	\$0.35	\$ 6.00
6-inch.....	.50	
7-inch, branching.....	\$0.75 and 1.00	

Ficus Pandurata.

7-8 in.....\$2.50 and \$3.50 each

Ficus Repens (Climbing).

2½-inch.....\$0.50 each

Hydrangeas for Forcing.

4 in.....\$10.00 per 100

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 in.	\$1.50	\$12.00
3-in.....4 to 5	8 to 10 in.	2.00	15.00
4-in.....4	12 in.	3.60	30.00
4-in. strong..4 to 5	12 to 15 in.	4.50	35.00
5-in.....5 to 6	15 to 18 in.	6.00	50.00
		Each	Doz.
5-in. strong...5 to 6	18 to 20 in.	\$0.75	\$ 9.00
6-in.....6 to 7	20 to 22 in.	1.00	12.00
6-in. strong...6 to 7	22 to 24 in.	1.50	18.00
7-in. stronger..6 to 7	26 to 28 in.	2.00	24.00
7-in. extra strong..6 to 7	28 to 30 in.	2.50	30.00
8-in.....7 to 8	40 to 45 in.	5.50	
9-in.....7 to 8	48 to 50 in.	8.00	
9-in.....7 to 8	50 to 54 in.	10.00	

Made-up.

7-in., 3 in a pot, 28-30 in. high.....\$2.50 each

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.....4	8 to 10 in.	\$1.50	\$12.00
3-in.....4 to 5	12 to 14 in.	2.00	15.00
4-in.....4 to 5	14 to 16 in.	4.50	35.00
5-in.....5 to 6	16 to 18 in.	6.00	50.00
		Each	Doz.
5-in. strong...5 to 6	20 to 24 in.	\$0.75	\$ 9.00
7-in.....5 to 6	36 to 38 in.	2.50	
8-in.....5 to 6	40 to 44 in.	5.00	
8-in. strong...6 to 7	46 to 50 in.	7.00	
9-in.....6 to 7	60 in.	8.00	

Made-up.

	Each
6-in., 3 in a pot 18-22 in. high..	\$1.00 and \$ 1.50
7-in., 3 to 4 in a pot, 24 to 30 in. high.....	2.50
9-in., 3 to 5 in a pot, 50 to 54 in. high.....	8.00
10-in., 4 to 5 in a pot, 58 to 60 in. high.....	10.00
12-in., 4 to 5 in a pot, 62 to 70 in. high.....	15.00

Latania Borbonica.

	Doz.	Per 100
4-inch.....	\$3.00	\$20.00
5-inch.....	5.00	
6-inch.....	9.00	

Pandanus Veitchii.

	Each	Doz.
4-in.....	\$0.50	\$5.00
5-in.....	.75	9.00
6-in.....	\$1.00	\$12.00

Phoenix Canariensis.

	Each
7-in., 40 to 44 in. high.....	\$ 2.50
8-in., 46 to 50 in. high.....	4.00
9-in., 50 to 54 in. high.....	8.00
10-in., 60 to 64 in. high.....	10.00

Phoenix Reclinata.

	Each	Doz.	Per 100
4-in.....	\$3.00	\$20.00	
5-in.....	5.00	40.00	
6-in.....	\$0.75	9.00	
7-in., 24 in. high, 3 in a pot. 1.50			

Phoenix Roebelenii.

	Each	Doz.	Per 100
2½-in.....		\$ 2.00	\$15.00
3-in.....		3.00	
6-in.....		12.00	
6-in. strong..		18.00	
7-in.....	\$4.00		
8-in.....	5.00		

Primula Chinensis.

	Doz.
4-in.....	\$1.50
5-in.....	2.00

Primula Obconica.

3-in.....	\$0.75 per doz.; \$5.00 per 100
4-in.....	1.25 per doz.; 8.00 per 100

Chrysanthemums, Pompons.

Assorted, 6-in.....\$0.25 each

Clematis Jackmani.

5-in.....\$0.35 each



Dahlia Roots.

Undivided clumps from the field, \$15.00 per 100 for named varieties.
Mixed varieties, \$10.00 per 100.

List of the Named Varieties.

A. D. Livoni, shell pink.
A. E. Trumbull, brick red.
American Flag, pure white, striped crimson.
Ami Barrillet, rich pure garnet, with fine dark foliage.
Baron de Glancy, pure white.
Bartels, salmon, with pink.
Black Beauty, very dark red.
Camellia Alba, pure white.
Dreer's White, Dr. Balan, brick red.
Evadue, soft rich yellow.
Fern-leaved Beauty.
Frank Barrett, Geo. Buller.
Lancelot, orange yellow.
Little Herman, deep red, tipped white.
Loveline, pale yellow.
L. Ponce, dark red, yellow center.
Maid of Kent, pink. Mrs. Geo. Reid, white.
Nymphæa, light pink. Perle, lavender.
Picotee, deep lavender.
President, white, tipped lavender.
Prof. Baldwin, cactus cherry red.
Progenitor, clear crimson.
Rosalie, lemon yellow. Sunnydale.
Sylvia, pink mauve, whitish center.
Thatcher, lemon yellow.

Canna Rhizomes.

at \$4.00 per 100 of the following varieties:

Dwarf Florence Vaughan, Chicago.
Chas. Henderson, Alsace.
Mlle. Berat, Beauty of Poitevine,
Florence Vaughan, Austria.
Allemania, Express.

Canna Rhizomes, mixed varieties, at \$3 per 100.

The Geo. Wittbold Co., 737 Buckingham Place, Chicago
Phone: Graceland 1112.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

GILROY, CALIF.—Max Crow has established a nursery near this place.

PLAINS, MONT.—The Rocky Mountain Nurseries and Orchard development Co. has been organized here. A. P. Marsh is manager.

THE United States Department of Agriculture has issued notice of public hearings in the proposed quarantine of certain parts of New England to prevent the spread of the gypsy moth and the brown tail moth. The hearings will be held at Washington, D. C., October 30, 1912, beginning at 10 a. m.

COLLEGE STATION, TEX.—The executive committee of the State Horticultural Society is making an effort to gain new members and to encourage the work, the following nurseries have offered prizes to those securing a certain number of additions: Griffing Brothers Co., Port Arthur, Tex.; Stark Bros., Louisiana, Mo.; Texas Nursery Co., Sherman, Tex., the Austin Nursery, Austin, Tex.; W. A. Stockwell, Alvin, Tex. Others may be added later.

Forestry in British India.

The development of forest conservation in southern India during the past 25 years has been marvelous. From 10,000 acres the area of reserved lands under control of the Forest Department had increased to 20,030 square miles in 1910-11, of which 18,769 square miles constituted actual reserved forests. During the same period revenues from the forests have grown from \$389,200 to \$1,223,366 and expenditures on conservation and development from \$291,900 to \$1,043,884. In 1910-11 the net profits from the working of the forests in the entire presidency amounted to \$179,482. The department devotes practically its total receipts to the improvement of the forests.

Among the products of the Madras forests are such commercial woods as teak, rosewood, ebony, mahogany, sandalwood, cedar, pine, bamboo, erool, muthu, jambee, and orupoo. The timber removed from the forests in 1910-11 amounted to 3,041,426 cubic feet and of fuel extracted 22,157,061 cubic feet. There were also extracted 39,216,767 bamboos. In addition, the forests yielded minor produce, including grass, to the value of \$431,238.—Daily Consular and Trade Reports.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEE, N. Y.

Creation of Forests.

In 1898 the directors of the Utrecht Life Insurance Co., having decided to invest a part of their funds in forest cultivation and land improvement, obtained a tract of heath of about 1,700 acres, for reclamation of which the Netherlands Heath Co. proposed a scheme which the insurance company adopted. Reclamation was successfully prosecuted on that tract, to which the insurance company has added other waste tracts from time to time till it now holds more than 5,000 acres. A large part has been brought to a cultivable state or covered with forest and fruit trees, the latter now yielding pears, apples, peaches, plums, etc. Strawberries, raspberries, currants, etc., are also extensively grown on some of these former waste lands. All varieties of vegetables and other farm products are also produced. Generally speaking, however, it has been found more desirable to reclaim the land for grass. This requires less work and expense, and grass land is always in demand for hay and for dairy pur-

poses. Therefore land which can be reclaimed for grass is kept in that state.—Daily Consular and Trade Reports.

Apple Breeding.

Bulletin No. 350 of the New York Experiment Station contains much interesting data on the breeding of apples. "There have been few efforts," it says, "to improve apples, nearly all varieties having come from chance seedlings. Under the knowledge and inspiration of recent discoveries in plant breeding we ought to breed this fruit more advantageously than in the past. Apples are improved only by the introduction of new varieties. These originate chiefly from cross-fertilized seeds. Possibly a few have arisen from self-fertilized seed and it is known that a few sorts have come from sports or bud-mutations. It is very doubtful if apples can be improved by bud selection and the so-called 'pedigreed' stock is probably worth no more than trees grown under general nursery practices."

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. *All goods F. O. B. your city.*

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



Try
Us
Out

On the job
day and night

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

We are Headquarters for Hardy Perennial Phlox.

The Plants Supplied are all Strong One Year Old
Field Grown Stock.

New Varieties of Hardy Phlox.

- Asia** (Tall.) One of the most valuable recent introductions, a delicate shade of mauve, with crimson carmine eye. \$2.00 per dozen; \$15.00 per 100.
- Braga** (Dwarf.) Mauve-rose, more or less suffused with salmon; large white eye, a distinct and pleasing color combination. \$1.50 per dozen; \$10.00 per 100.
- Europa** (Tall.) A white variety, with very decided crimson-carmine eye; the individual flowers as well as the trusses are very large, entirely distinct, a valuable acquisition.
- Elizabeth Campbell** (Dwarf.) Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much wanted shade in Phlox.
- Frau Anton Buchner** (Dwarf.) The finest white variety yet introduced, having a large truss and individual flower of dwarf habit.
- Goliath** (Tall.) A giant in growth, in rich soil over 5 feet high, the flowers of good size in bold massive panicles of a rich crimson-carmine, with deeper eye.
- Hervor** (Dwarf.) This is the finest variety of its color; a bright but soft rose-pink, with a large white eye.
- Rynstrom** (Tall.) An improved form of the popular variety Pantheon, fine for massing; of a Paul Neyron rose-color.
- Rosenberg** (Medium.) Bright reddish violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.
- Widar** (Medium.) A splendid improvement on Edmond Rostand; in color a light reddish-violet, with very large white center which intensifies and illuminates the color.

Price, (except where noted), \$1.25 per dozen;
\$8 00 per 100; \$75.00 per 1000.

General Collection of Best Standard Varieties.

- Albion**, medium. One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.
- Aglæ Adanson**, medium. Immense flowers, snow-white, with red-eye.
- Antonin Mercie**, medium. Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.
- Bacchante**, tall. Tyrian rose with crimson-carmine eye.
- Beranger**, dwarf. Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.
- Bridesmaid**, tall. White, with large crimson-carmine center.
- Colibri**, tall. White, with crimson-carmine center; very late.
- Consul H. Trost**, medium. Pure red, with bright French-purple eye.
- Champs Elyses**, medium. A very bright rosy magenta of an effective shade.
- Coquelicot**, dwarf. A fine pure scarlet, with crimson-red eye. \$6.00 per 100.
- Caran D'Ache**, medium. Geranium-red, with old rose shadings and white eye; very effective.
- Diadem**, dwarf. A fine dwarf, pure white.
- De Miribel**, medium. White, suffused with bright rosy-scarlet, red eye.
- Danton**, medium. Scarlet, pure red eye.
- Edmond Rostand**, medium. Reddish-violet, shading brighter towards the center with an exceptionally large, white center.
- Eugene Danzanvillier**, tall. Lilac, shading white towards the edges; large white center.
- Eclairer**, medium. Brilliant rosy-magenta, with large lighter halo; an excellent variety.
- Fruhlicht**, dwarf. Bright salmon-pink, with white shadings.
- George A. Strohlein**, medium. Bright scarlet, with crimson-red eye; does not bleach. \$7.00 per 100.
- General Giovaninelli**, dwarf. Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye, very effective.
- Hermine**, dwarf. The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size; early; unequalled for bordering; a perfect little gem.
- Helena Vacaresco**, dwarf. Very large flowering dwarf, white.
- H. O. Wijers**, tall. Glistening white, with bright crimson-carmine eye.
- Henry Murger**, tall. Beautiful variety; white, crimson-carmine center.
- Henry Royer**, medium. Tyrian rose, with lighter shadings.
- Jeanne D'Arc**, tall. A good standard late white.
- Kucken**, tall. Delicate pale rose-mauve, with claret-red eye.
- La Vague**, medium. Pure mauve, with aniline-red eye.
- Le Prophete**, dwarf. Bright violet-rose, large light halo and bright rose eye, fine.
- Louise Abbema**, dwarf. Very large, dwarf pure white, fine form.
- Mme. Paul Dutrie**, tall. A delicate lilac rose, reminding one of some of the beautiful soft pink orchids. The flowers are very large and borne in panicles of immense size.
- Mozart**, tall. Ground color white, suffused salmon; aniline-red eye.
- Mrs. Jenkins**, tall. The best tall early white for massing.
- Nana Coerulea**, dwarf. Very free flowering light reddish-violet.
- Obergartner Wittig**, medium. Bright magenta, with crimson-carmine eye; large flower and truss, one of the best.
- Professor Virchow**, medium. Bright carmine, overlaid with orange-scarlet.
- Pantheon**, tall. Bright carmine-rose.
- Prosper Henri**, dwarf. Pure white, with large decided eye of rosy-magenta.
- Pacha**, dwarf. Deep rose-pink, suffused with solferino-red and carmine-purple eye.
- R. P. Struthers**, tall. Rosy-carmine, with claret-red eye, fine.
- Sarabande**, medium. Reddish-violet, with lighter shadings.
- Sunshine**, dwarf. Large, aniline-red, with crimson-red eye and light halo.
- Selma**, tall. Large flower, pale rose-mauve, with claret-red eye.
- Siebold**, tall. Bright vermilion-red overlaid with orange-scarlet; crimson-red eye. \$6.00 per 100.
- Vesuvius**, medium. One of our new seedlings; pure red, with bright purple eye, a dazzling color.
- F. G. Von Lasburg**, medium. The purest white in cultivation, individual flowers larger than any other white.

Price of any of the above (except where otherwise noted) \$4.00 per 100, \$30.00 per 1000.

For the most complete list of Hardy Perennials as well as complete assortments of Decorative Plants and other Seasonable Stock see our Current Wholesale List.

The above prices are for
the Trade Only.

HENRY A. DREER, 713 Chestnut St., PHILADELPHIA, Pa.

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best."

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made-up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings, 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....\$3 each; 30 per dozen; \$200 per 100
Croton Punctata, 3-inch pots, heavy, \$20 per 100
Croton Punctata, 4-inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....\$4, \$5, \$6 and \$7.50 each
Branch plants, exceptionally fine, at.....\$2, \$2.50, \$3, \$3.50, \$4, and \$5 each

Nephrolepis Elegantissima Improved.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.
2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.
2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$12 and \$15 per dozen
11-inch tubs, \$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Glatrasii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.
6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scottii.

Our stock is in superb condition.
2½-inch pots.....\$5 per 100; \$40 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
6-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....\$15 and \$18 per dozen

10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlil.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlil. The above variety is a greatly improved Amerpohlil. It is a compact form, much finer than Amerpohlil and does not break down in the center. The fronds are carried on wiry

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2½-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 1000

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeaoides—London Fern.

A good, strong grower and one we think very highly of.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen
9-in. and 10-in. tubs, \$18, \$24 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
6-inch pots, very heavy, \$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantissima Compacta

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape.
2½-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO.

49th and Market Sts.,

PHILADELPHIA, PA.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Japanese Grown
Callas Just Received
Write for Prices.

—Wholesale only.—

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Mention the American Florist when writing

The Early Advertisement Gets There

—10,000— Primula Malacoides

MUST BE SOLD

Good stock. 2½-in. pots,

**\$2.50 per 100;
\$20.00 per 1000.**

BIG BARGAIN.

Act quick.

Cash with order.

FRED SCHEEL,
Schermerville, Ill.

'MUM Stock Plants

Smith's Advance

\$2.00 per dozen; \$10.00 per 100.

Chrysolora

\$3.00 per dozen; \$15.00 per 100.

Not less than 50 at 100 rate.

Bassett & Washburn
HINSDALE, ILL.

Mention the American Florist when writing

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ives are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Mention the American Florist when writing

FERN S.

Boston, Whitman and Scholzell from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch Boston and Scholzell grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Mention the American Florist when writing



PRIMULA MALACOIDES.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica,		
Alba, Rosea	\$1 50	\$15 00
Gigantea - All from 2½ pots	2 00	18 00
Asp. Plumosus, 2½ pots	2 00	15 00
" Sprengeri	1 00	7 50
" Plumosus Seedling	1 00	6 00
" Sprengeri	5 00	2 50
Vinca Variegata field plants Cut back		
Fancy Plants, Giant flowering		

CASH

Jos. H. Cunningham
Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.
FOR FALL CIRCULAR

SPECIAL BARGAIN: Per doz.

2 foot Elm Bark Capoes	@ \$4.00
3 foot	6.00
6 in. Birch Bark	1.00

Order a few of each size.

Miscellaneous Plants

Sanilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Vaughan's Specials

Everybody Should Have

PRIMULA MALACOIDES,

The Improved Baby Primrose.

It is a wonderfully free bloomer, of a delicate shade of lavender. Grand for pot plants or for cutting.

2½-inch, doz., 75c; per 100, \$4.00.

3-inch, doz., \$1.25; per 100, \$8.00.

Don't miss it. Fine for Xmas.

ASPARAGUS HATCHERI, 2-inch,

doz., \$1.00; per 100, \$7.00.

SPRENGERI and PLUMOSUS, 2-inch,

doz., 50c; per 100, \$3.00; per 1000, \$25.00.

DEUTZIA GRACILIS. Grand forcing

stock. 8-inch pot grown plants, 70 to 80 flowering branches, only 30c each;

\$3.00 per doz.; \$20.00 per 100.

Ask for prices on extra bushy field-grown plants in assorted sizes.

SPECIMEN FRUIT TREES. Extra large

Apples and Pears at bargain prices.

Ask for list.

Vaughan's Seed Store, CHICAGO.

Greenhouses and Nursery at

Western Springs, Ill.

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - - -	8.00
White Perfection, - - -	7.00
Rose Pink Enchantress, - - -	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins

Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.

Boston Ferns, 5-in., 25c each.

Whitman Ferns, 4-in., 25c.

Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.,

\$25.00 per 100.

Vinca Var., 2-in., 2c.

Asparagus Sprengeri, 2-in., \$2.50 per 100.

Asparagus Plumosus, 2-in., \$3.00 per 100.

Heliotrope, Scarlet Sage, Lemon Verbenas

Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.

BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Lalus , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houtte , (Delache,) fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens, fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachel , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower; stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmeta , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitleyil,) there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.
BALTIMORE, MD.

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

Fine Ferns.

We have a magnificent stock of exceptionally fine *Nephrolepis* in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.
Harristii, an improved *Bostoniensis*. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each; 6-in. at 50c each.

Glatrasii, 8-in. pots, \$1.00 each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each; 3 1/2-in. pots, 15c. each.

Magnifica, 3 1/2-in. pots, 25c each; 6-in., 75c. ea.
Asparagus Plumosus Nanus, 2 1/4-in. pots, \$4.00 per 100.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots. \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lilium Giganteum.

7-9 in. bulbs; case lots of 300.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Freesias. French-grown.

Mammoth bulbs, 3/4-in. and up...\$12.00 per 1000
Extra sized bulbs, 1/2 to 3/4-in.... 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Azaleas

Best Standard Commercial Varieties.

New importations ready in October.

	Per doz.	Per 100
Plants 10-12-in. in diameter.....	\$ 6.00	\$ 40.00
Plants 12-14-in. in diameter....	9.00	50.00
Plants 14-16-in. in diameter....	12.00	70.00
Plants 16-18-in. in diameter....	15.00	100.00

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

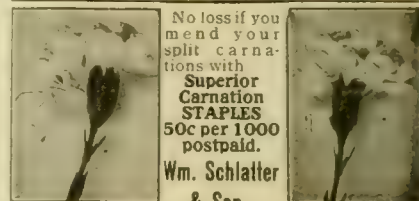
Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

Index to Advertisers.

Adams, Morgan & Co. 765	Fish Henry Seed Co 767	Masur S. 761	Reinberg Peter. 750	Vincent R Jr. I 770	Williams Mrs E A. 764
Advance Co The. 785	Florists' Hail Assn. 785	Matthews Florist. 763	Rice Bros. 756	Virgin N J. 764	Wilson R G. 761
Alpha Floral Co. 761	Florists' Tel. Delv. 762	May & Co L. 761	Rice & Co. M. 760	Wagner Park Cons. 111	Winandy M & Co. 778
American Spawm Co 770	Foley Mfg Co. IV	Meconi Paul. 759	Robinson J C Seed Co 767	Walker F A & Co. 764	Wittbold G Co. 761
American Wooden Ware Mfg Co. 111	Ford M C. 759	Mette Henry. 775	Rock W L Co. 762	Ward & Co. R M. 11	Wittbold Henry. 755
Amling E C Co. 755	Fottler Fiske. II	Meyer John C & Co. 760	Rohnert Seed Co. 775	Weber F H. 764	Wolfskill Bros & Morris Goldenson 763
Anderson S A. 761	Franklin Davis. 11	Michigan Cut Flower Exchange. 760	Routzahn Seed Co. 768	Weeber & Don. 768	Wood Bros. 768
Andorra Nurseries. 775	Nursery Co. 777	Miller E S. 767	Rusch G & Co. 756	Welch Bros. 755	Wrede H. 767
Angermueller G H. 756	Fraser Samuel. 772	Moninger J C Co. IV	Saakes O C. 763	Wertheimer Bros. 11	Yokohama Nurs Co. 775
Applene Mfg Co. 786	Freeman Mrs J B. 764	Montreal Floral Ex. 757	Scheel F F. 765	Western Seed & Irrigation Co. 768	Young A L & Co. 759
Aschmann Godfrey. 774	Freeman & Sons. 787	Moore, Hentz & Nash. 759	Schilder Bros. 767	Wietor Bros. 751	Young & Nugent. 761
Atlanta Floral Co. 764	Freres D E. 754	Morehead Mfg Co. 788	Schiller, the Florist. 764	Wilks S Mfg Co. 788	Zech & Mann. 755
Auburndale Gold Fish Co. 753	Froment H E. 759	Mt Gilead Pottery Co. 111	Schillo Adam. 784		
Bader Jno & Co. 776	Galvin Thos F. 763	Munk Floral Co. 761	Schlatter W & Son. 778		
Badgley Reidel & Meyer, Inc. 759	Garland G M. 735	Murray Samuel. 764	Schling Max. 764		
Barrows H H & Son 764	Gasser J M Co. 764	Myers Florist. 764	Schmidt J C. 774		
Barteldes Seed Co. 748	Gebly Bros. 764	Nat Flo B of Trade. 778	Schultz Jacob. 762		
Bassett & Washburn 785	Giblin & Co. 788	N Y Cut Flower Ex. 759	Scott John. 776		
Bayersdorfer H. 769	Gillies Litho & Print Co. 772	Niessen Leo Co. 757	Seattle Cut Flo Ex. 757		
Beaven E A. 769	Goatham & Chapline 785	Northern Michigan Evergreen Nurs. 760	Shaffer Geo C. 763		
Berger Bros. 756	Grand Rapids Flower Co. 763	Oechslein Frank. 740	Sharp, Partridge & Co. 784		
Berning H G. 762	Growers Cut Flower Co. 759	Oklahoma Seed Gro Co. 767	Sheridan W F. 759		
Berterman Bros Co. 768	Gude Bros. 762	Palmer W J & Son. 762	Situation & Wants. 749		
Black Chas. 772	Gunther Bros. 759	Park Floral Co. 762	Skidelsky S S & Co. 767		
Boblink & Atkins. 772	Habermann Chas. 764	Peacock Dahlia Fns 765	Smith A W & Co. 786		
Boddington A T. 768	Hammond's Paint & Slag Shot Wks. 783	Pedrick Geo & Son. 767	Smith E D & Co. 786		
Bodger J & Sons Co. 767	Hatcher, Florist. 764	Pennock-Meehan Co 759	Smith & Hemenway 782		
Boland J B Co. 761	Haven Seed Co The 767	Penn the Florist. 762	Smith Henry. 763		
Boligano J & Sons. 768	Heacock Jos Co. 765	Peters & Reed Poty III 763	Smith P J. 759		
Bowe M A. 763	Heil John & Son. 761	Peterson & Sons J A 788	Smith Wm C. 756		
Brasian Seed Grow Co. 766	Henderson A & Co. 774	Pierce F O Co. 788	Smith W & T Co. 1		
Breitmeier J Sons. 762	Herr Albert M. 765	Pierson A N (Inc.) 777	Stearns Lumber Co. 784		
Brown Alfred J Seed Co. 766	Herrmann A. 788	Pierson F R Co. 1	Stoothoff H A Co. 786		
Brown Bag Filling Machine Co. 767	Hess & Swoboda. 764	Pillsbury I L. 777	Storrs & Harrison. 772		
Bruns H N. 767	Hesse & Co. 767	Pieters & Wheeler Seed Co. 778	Sunderbruch's Sons A. 765		
Buckbee H W. 764	Hews A H & Co. 111	Pinkston Jas E. 760	Sunlight Dble Glass Sash Co. 783		
Budlong J A. 754	Hilfinger Bros. 111	Pittsburg Cut Flo Co 757	Superior Machine & Boiler Works. 786		
Burnett Bros. 11	Hines E Lumber Co 784	Podesta & Baldocchi 763	Syracuse Pottery Co. 111		
Burpee W A & Co. 768	Hitchings & Co. 782	Poehlmann Bros Co. 749	Taylor Steam Trap Co. 788		
Byer Bros. 765	Hoerber Bros. 755	Pollworth C Co. 763	Texas Seed & Flower Co. 761		
Caldwell the Woodsman Co. 760	Hoffman Flo Artist. 763	Pulverized Manure Co. 786	Thompson Car Co. 774		
California Seed Grow Assn. 764	Hoffmeister Flo Co 757	Quaker City Machine Works. 786	Thomson & Sons Co Wm. 778		
Camp Conduit Co. 786	Holm & Olson. 762	Raedlein Basket Co 746	Thorburn J M & Co 11		
Chicago Carn Co. 1	Holton & Hunkel Co 776	Ramsburg. 768	Tong & Weeks. 776		
Chicago Flower Growers Assn. 752	Home Cor School. 776	Randall A L Co. 755	Totty Chas H. 757		
Chicago House Wrecking Co. 787	Hooker H M Co. 778	Rawlings Elmer. 779	Trandely & Schenck Trimble W E. 759		
Clark E B Seed Co. 767	Hunt E H. 788	Ready Reference. 779	Greenhouse Co. 755		
Clark's Sons David. 763	Hurff Edgar F. 775	Reed & Keller. 787	Valentine Frank. 761		
Cleveland Cut Flower Co. 763	Igoe Bros. 778	Regan Ptg House. 785	Vaughan A L & Co. 752		
Conard & Jones. 777	Illinois Pipe Mfg Co 785	Reid Edw. 756	Vaughan's Seed Store I III 768 770 776 784		
Cooke Geo H. 761	International Heater Co. 787	Reinberg Geo. 755	Vestals. 764		
Cotsonas Geo & Co. 769	Isbell S M & Co. 767		Vick's Sons Jas. 767		
Cowee W J. 788	Jacobs & Sons. 784				
Coy H C Seed Co. 768	Johnson J Oliver. 767				
Craig Robt Co. 775	Johnson WW & Son 775				
Critchell C E. 757	Jones Percy. 746				
Cross Eli. 774	Kasting W F C. 757				
Crump Frank F. 762	Keller Geo & Sons. 111				
Cunningham Jos H. 776	Keller JB & Sons. 764				
Daniels & Fisher. 763	Kellogg Geo M. 761				
Dards Chas. 762	Kelway & Son. 767				
Davy. 770	Kennicott Bros. 754				
Day. 769	Kentucky Tobacco Product Co. 786				
Deamud J B Co. 754	Kervan Co The. 759				
De Giorgi Bros. 768	Kessler W A. 759				
Dennison Mfg Co. 747	Kift Robt. 763				
DesPlaines Flor Co. 765	King Construct Co. 787				
Detroit Flower Pot Mfy. 111	Kohr A F. 111				
Dietsch A & Co. IV	Kramer I N & Son. 786				
Diller Caskey & Keen. 782	Kroeschell Bros Co. 784				
Dillon J L. 777	Kruchten John. 755				
Dingee & Conard Co. 775	Kuehn C A. 756				
Domoto Bros. 750	Kuhl Geo A. 776				
Dorner F & Sons. 776	Kyle & Foerster. 775				
Dreer H A. III 773	LaCrosse Floral Co. 764				
Duerr Chas A. 764	Laxer & Hurrell. 1				
Dunlop John H. 763	Lange A. 761				
Dwelle - Kaiser Co The. 783	Landreth Seed Co. 11				
Eagle Machine Wks 783	Law's Nurseries. 772				
Edwards Folding Box. 778	Lecakes N L & Co. 759				
Elk Galax & Fern Co. 760	Lederer John. 785				
Emmans Geo M. 776	Leedle Floral Co. 777				
Erie Floral Co. 1	Lelache Emil. 757				
Erne & Klingel. 755	Leonard Seed Co. 767				
Esperance L Nurs. 776	Lord & Burnham Co 785				
Eyres H G. 763	McCallum Co. 757				
	McConnell Alex. 761				
	McCoy L W. 764				
	McCullough's J M Sons Co. 757				
	McHutchinson & Co 767				
	McKellar Chas W. 754				
	McKenna P & Son. 763				
	Mandel. 761				
	Mastin J G & Co. 787				



BEFORE 422 Main St., Springfield, Mass. AFTER



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog Quaker City Machine Works, Richmond, Ind.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '96

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St. BROOKLYN, N. Y.

Do not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK



Mention the American Florist when writing

Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898. 2000 for \$1.00 postpaid.

I. L. PILLSBURY, Galesburg, Ill.

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenfords, Scotland.

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ALYSSUMS.

Alyssum, giant double, 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

ALTERNANTHERAS.

Alternantheras, 6 varieties; 2-in., \$2 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

ARAUCARIAS.

Araucarias, excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. Poehlmann Bros. Co., Morton Grove, Ill.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2-in., \$1 per doz.; \$7 per 100. Sprenger and Plumosus, 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprenger, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus Sprenger, 3-in., \$6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus plumosus, strong, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf. Variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asters, fine stocky plants, Q. of the Market and Vick's Branching, \$1.50 per 1,000. F. A. Baller, Bloomington, Ill.

AZALEAS.

Azalea indica, Deutsche Perle, Simon Mardner, Mme. Petrick, Vervaneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas for Xmas in bloom, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Gloire de Lorraine and Lonsdale, 4-in., 30c to 35c. Glory of Cincinnati, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Vernon, pink and white, 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Begonia Cincinnati, 35c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Gloire de Lorraine, 3-in., \$20 per 100. Erie Floral Co., Erie, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl. pearl, 4-6, \$3 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, Horseshoe Brand Liliun Harrisii. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Japanese grown callas just received. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Freesia refracta alba, extra large, 75c per 100; \$6.75 per 1,000; mammoth bulbs, \$1 per 100; \$9 per 1,000. Liliun Harrisii, 6-7 ins., 75c per doz.; \$3.50 per 100. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

CANNAS, individual field clumps, Cinnabar, cinnamon red; Sec. Chabanne, Salmon red; Robusta, bronze foliage, \$7.50 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$10 per 100. Mixed reds, Salmon, etc., \$7 per 100. WAGNER PARK CONSERVATORIES, SIDNEY, O.

Canna rhizomes, \$4 per 100; Dwarf Florence Vaughan, Chas. Henderson, Mlle. Berat, F. Vaughan, Allemania, Chicago, Alsace, Beaute Poitevine, Austria, Express, mixed, \$3 per 100.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conrad and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.	
	100 1000
Light Pink Enchantress	\$7.00 \$30.00
White Enchantress	7.00 60.00
Rose-pink Enchantress	7.00 60.00
Lawson Enchantress	7.00 60.00
Norwood, better than Perfection ..	7.00 60.00
Dorothy Gordon	7.00 60.00
Beacon	8.00 75.00
Victory	7.00 60.00
White Perfection	8.00 75.00
Lady Bountiful	6.00 55.00
Harlowarden	7.00 60.00
Sangamo	6.00 55.00
Alvina	6.00 55.00
May Day	6.00 55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D., with privilege of examination, and if stock is not satisfactory they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D. H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.	
Strong, Sturdy, Healthy.	
	Per 100 Per 1,000
Enchantress	\$6.00 \$55.00
Washington	6.00 55.00
White Lawson	4.00 35.00
Winsor	4.50 40.00
Victory	5.00 45.00
White Perfection	6.00 55.00

162 N. Wabash Ave. WIETOR BROS., Chicago.

FIELD-GROWN CARNATION PLANTS.	
Per 100 Per 1,000	
Enchantress	\$4.00 \$35.00
White Perfection	4.00 35.00
Cash with order please.	
JOS. SCHOOS,	
514 Asbury St.,	Evanston, Ill.

FIELD-GROWN CARNATION PLANTS.	
Per 100 Per 1,000	
500 Enchantress	\$5.00
Washington	5.00 \$40.00
Beacon	5.00 40.00
White Enchantress	5.00 40.00
Dorothy Gordon	5.00 40.00
Sangamo	4.00 30.00
May Day	4.00 30.00

Cash With Order. HENRY C. BLEWITT, Des Plaines, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros. Easton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Enchantress	\$6.00	\$50.00
White Enchantress	6.00	50.00
Rose Pink Enchantress	6.00	50.00
Norwood	6.00	50.00
ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.		

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

FIELD-GROWN CARNATION PLANTS.
Clean, well grown and healthy.
ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,
Shermerville, Ill.

LARGE HEALTHY CARNATION PLANTS,
\$5.00 per 100. \$45.00 per 1,000.

White Perfection, Enchantress and Rose Pink Enchantress, \$3.50 per 100 if called for at our place.

EMIL BLAMEUSER,
NILES CENTER, ILL.

Carnations, all plants guaranteed satisfactory, 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, field-grown, strong, bushy, fibrous roots, R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, field-grown, Brooklyn, \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation, The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Pompons, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100. Cash. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis Jackmanii, 5-in., 35c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, 10 varieties, 2-in., \$2; 3-in., \$3 per 100. K. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

Cyclamen, 4-in. to 7-in., 20c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen giganteum, 3-in. pots, \$5 per 100. Good plants, fine strain. Cash, please. J. W. Miller, Shiremanstown, Pa.

DAHLIAS.

Dahlias, individual field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$5 per 100. Grand Duke Alexis, white; A. D. Livoni, pink; \$8 per 100. Black Beauty, maroon, \$3.50 per 100. Mixed, all good colors, \$3 per 100. WAGNER PARK CONSERVATORIES, SIDNEY, O.

Dahlia roots. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAISIES.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Daisies, yellow, 3-in., 8c; 5-in., 20c. Randolph & McClements, Pittsburg, Pa.

DRACAENAS.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns. Whitmanii, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scotti, 4-in., 20c; 5-in., 35c; 5½ and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholzei, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger sizes, \$2, \$2.50 and up each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BOSTON FERNS.

5-inch splendid stock, 20c and 25c, ready for 6-inch.

EDW. DOEGE COMPANY,
4344 N. Springfield Ave., Chicago, Ill.

Ferns, Boston, 5-in., 12c; Whitmanii, 4-in., 10c; 5-in., 12c; Amerpohli, 4-in., 12c; 5-in., 15c. Scholzei, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

Ferns, 4-in. Boston, 10c each. Bench grown Roosevelt, ready for 4 and 5-in., 15c. Addams, Morgan & Co., Paxton, Ill.

Ferns. Boston. Whitmanii, Scholzei; from bench 10c and 15c; 5 and 6-in. Boston and Scholzei, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Amerpohli, 4-in., \$15 per 100. Whitmanii, 4-in., \$15 per 100; 3-in., \$8 per 100; 2-in., \$5 per 100. Elegantissima 2-in., \$4 per 100. Randolph & McClements, Pittsburg, Pa.

Cibotium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, \$3 per 100; 3-in., 25c each; \$3 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in. pots, 50c per doz.; \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitmanii Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son Whitman, Mass.

Cibotium Schiedel, 6-8-in., \$1.50; \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Nephrolepis Amerpohli, 4½-in., \$12 per 100, Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Adiantum Cuneatum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitmanii, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 4-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1 each. Ficus padurata, 7-8-in., \$2.50 and \$3.50 each. Ficus repens, climbing, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, Belgium or American stock, 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

GERANIUMS.

Select, well rooted cuttings, only. BUCHNER and SALLEROL, ready Nov. 1st. S. A. NUTT and BUCHNER, ready Nov. 20th. \$1.25 per 100; \$10 per 1,000. Order now.

Send 10c for sample.

EDW. DOEGE COMPANY,
4344 N. Springfield Ave., Chicago, Ill.

Geraniums, Nutt, Buchner, Vland, well grown stocky 3-in. bud and bloom, 75c per doz.; \$5 per 100. Not Surplus Stock. F. A. Baller, Bloomington, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Vland, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, good assortment, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perennated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hardy perennial phlox. For varieties and prices, see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hardy phlox, 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HELIOtropES.

Heliotrope, light and dark purple, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

HYDRANGEAS.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangeas for forcing, 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

IVY.

Hardy English ivy, 2-in., \$2; 3-in., \$3 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Rennison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To import.

Lily of the valley, largest grower and exporter, E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

Lily of the valley pips, Hamburg or Berlin, \$11 per case of 1,000 or \$30 per case of 3,000. J. M. Thorburn & Co., 33 Barclay St., New York.

From Storage.

Lily of the valley from cold storage, Bruns' Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

CATALPA SPECIOSA (genuine) and Black Locust in any size. Exceptionally fine stock. Special price on fall delivery. E. C. PIKE & CO., St. Charles, Ill.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

Deutzia gracilis, 8-in. pot-grown, 70 to 80 branches 30c each; \$3 per doz.; \$20 per 100. Specimen fruit trees. Vaughan's Seed Store, Chicago and New York.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

A large assortment of hardy nursery stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, \$1.50, \$3, \$4 and \$5 each. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For sizes and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants. Oct. 1st. 50c per 100; \$2.50 per 1,000. Seed, giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. W. & T. Smith Co. Geneva, N. Y.

PEPPERS.

Christmas and New Cluster peppers, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Christmas and New Celestial (Cluster) peppers, extra strong, 2-in., \$2 per 100. Rober & Radke, Maywood, Ill.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 2½-in., pot plants, \$5.50 per 100; \$50 per 1,000. Strong 2½-in., \$5 per 100; \$45 per 1,000. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Poinsettias in pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primula and Malacoides, the big baby primula, 2-in., \$2.50 per 100; these are large plants. Cash, please. J. W. Miller, Shiremanstown, Pa.

Primula obconica grandi, 4-in., \$10 per 100. Chinenis, Rupp strain, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula chinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz.; Obconica, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.25 per doz.; \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., 75c per doz.; \$1 per 100; 3-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula Obconica Giant Monarch Firebrand, new scarlet; Bride, new shell pink, ready for 4-in. pots, \$5 per 100. Extras. Cash. John F. Rupp, Ruparka, Shiremanstown, Pa.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula obconica and Malacoides, in bloom, 25c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschenhoff, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Rose Milady. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gladiolus, larkspur, nasturtiums, pansies, petunias, pulox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink	\$2.50	\$0.50
Begonia Gracilis luminosa, fin't red	2.50	.50
Begonia Triumph, finest white	2.50	.50
O. V. Zangen,		Hoboken, N. J.

Tomato Davy's Millionaire. Davy, Arpaion (S. & O.), France. A. Bachelot, traveling Representative in America, Car American Express Co., 65 Broadway, N. Y.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn, Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

Vincas, variegated, extra fine large field clumps ready to deliver, \$4 per 100. Brus Bros., 400 Main St., Kansas City, Mo.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

Violets, Gov. Herrick, field-grown, \$3 per 100; 2½ in., 2c. Byer Bros., Chambersburg, Pa.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene, 10 lbs., \$3; 25 lbs., \$8; 50 lbs., \$10; sample pkts., ¼ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 162. Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

More Half Iron Frame Facts.

Take that side post for instance—it's neither cast iron nor rolled steel—it's old fashioned wrought iron, the kind that will stand in the ground for years.

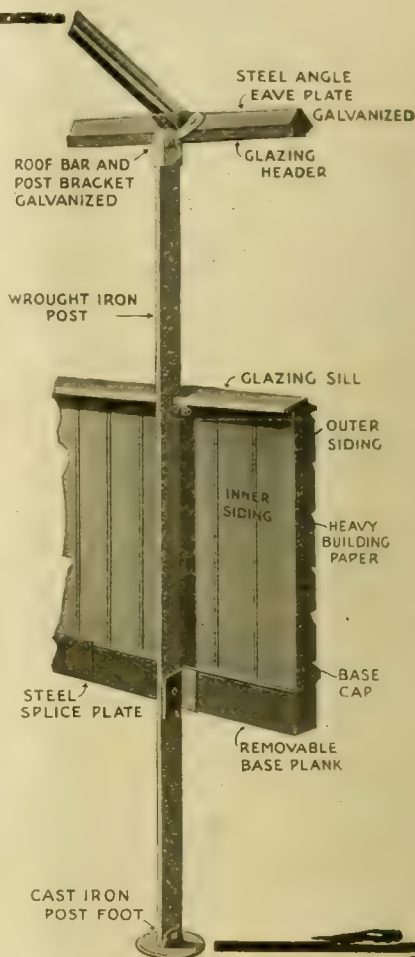
Either a pipe post or one of regular rolled steel will quickly rust out at the ground line.

Of course, our Wrought Iron Post costs more—but it's worth many times the difference.

Then, there's the Patented Angle Eave which we are licensed to use—every grower and greenhouse building concern will tell you there is nothing to equal it for strength, lightness, endurance and freedom from ice.

The roof bar clasp gives a strong joint, and a dry joint, and that is about all you can expect from a perfect eave joint.

This then is the story of the Half Iron Frame, but it's only half the story of the Iron Frame. The other half is told and shown in the New Commercial Catalog. Send for one.

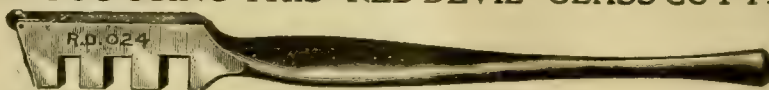


Hitchings & Co.

Elizabeth,

New Jersey.

ARE YOU USING THIS "RED DEVIL" GLASS CUTTER?

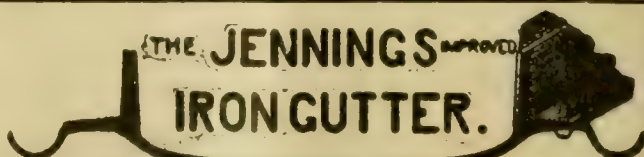


Red Devil Glass Cutter No. 024.

WE have given away free to all the alert florists who applied one of these "Red Devil" Glass Cutters. A good many thousand florists are now using it to cut their greenhouse glass. If you are not using Genuine "Red Devil" Glass Cutters, you are not using the best, the kind all glaziers use. Ask any hardware dealer for "Red Devil" Glass Cutters. They all sell them. Send us 3 2c stamps and one sample only will be sent you postpaid.

SMITH & HEMENWAY CO., 150-152 Chambers Street, New York City, N. Y.
Makers of "Red Devil" Glass Cutters and 3000 Other "Red Devil" Tools.

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 80c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

Hammond's Thrip Juice No. 2

For the Destruction of Sucking Insects and Caterpillars, Slugs, Aphides, Red Spider and Mealy Bug.



In 1883, twenty-nine years ago, we made this preparation for the use of a grape grower, Mr. Floyd Quick, of Fishkill, N. Y.

The Thrip is one of the most bothersome of insect pests, because the moment the plant is touched, off goes the Thrip.

Thrip Juice No. 2 is diluted for general use thirty to forty times with water. The late Isaac Wood, Florist, of Fishkill, N. Y., used it for Mealy Bug and Red Spider. This article was purchased by a druggist in Jacksonville, Florida, the late Dr. James A. Farley, who was Secretary of the Board of Trade. He found it effective against the Orange Scale. Upon trial in Florida we changed the formula, making another grade, which is Thrip Juice No. 1, and is arsenicated. This was tried out in Lake County, Florida, twenty-five years ago, and has been in use there yearly ever since. This Thrip Juice No. 1, by the growers, is used with a very great dilution. It is exported to the West Indies.

No. 2 Thrip Juice has been in use for twenty-nine years. The past two years there has been a steadily increasing demand, as it is becoming better known. If any Florist wishes to test **Thrip Juice No. 2**, and will pay the expressage, we will send him a sample for trial, because we know there is "No Magic in Killing Bugs," and it is the general average of success that proves the practical lasting value of any article.

Hammond's Paint & Slug Shot Works

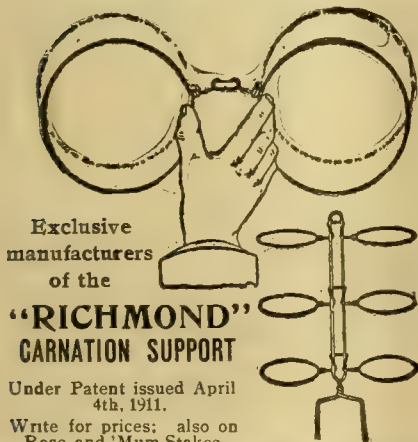
Established 1875.

FISHKILL-ON-HUDSON, N. Y.



EAGLE MACHINE WORKS

RICHMOND, IND.



"RICHMOND"
GARNATION SUPPORT

Under Patent issued April 4th, 1911.

Write for prices; also on Rose and 'Mum Stakes.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

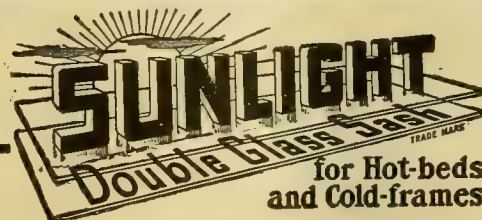
Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.



Double-Glass Double Profits

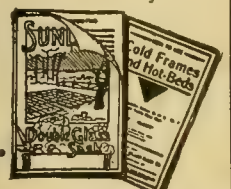
The old single layer hot-bed sash are far better than none; but they must be covered with mats, boards or shutters every evening and uncovered every morning. They are wasteful.

The new **SUNLIGHT DOUBLE GLASS SASH**, with two layers of glass enclosing an air space, are **COMPLETE IN THEMSELVES**. They eliminate all extra covers; they wipe out half the labor cost; they admit all the light by day to store warmth in the bed and then save the warmth at night.

They make plants earlier and stronger. They double final profits.

Every practical gardener or florist will see the value of this.

And it is good business for you to get our free catalog for full information. Write your address plainly and send it today; the hot-bed season is not far off. Prof. Massey's booklet on Hot-beds and Cold Frames sent for 4c in stamps.



Sunlight Double Glass Sash Co.

934 E. Broadway, Louisville, Ky.

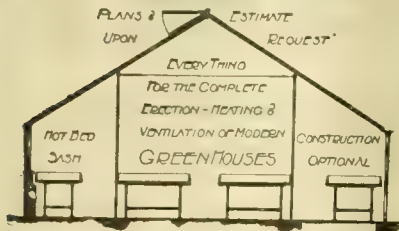


The double layer of glass does it

Write for these books today.

S. Jacobs & Sons

ESTABLISHED 1871



1361-1383 Flushing Ave.,
Brooklyn, New York

Mention the American Florist when writing

CYPRESS

IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS

UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.

The A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

Dreer's Peerless Glazing Points

For Greenhouses

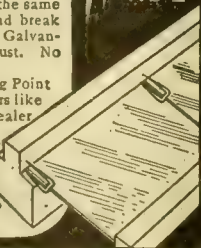
Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



Mention the American Florist when writing

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$ inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

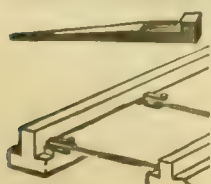
RANDOLPH & McCLEMENTS, Florists,
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

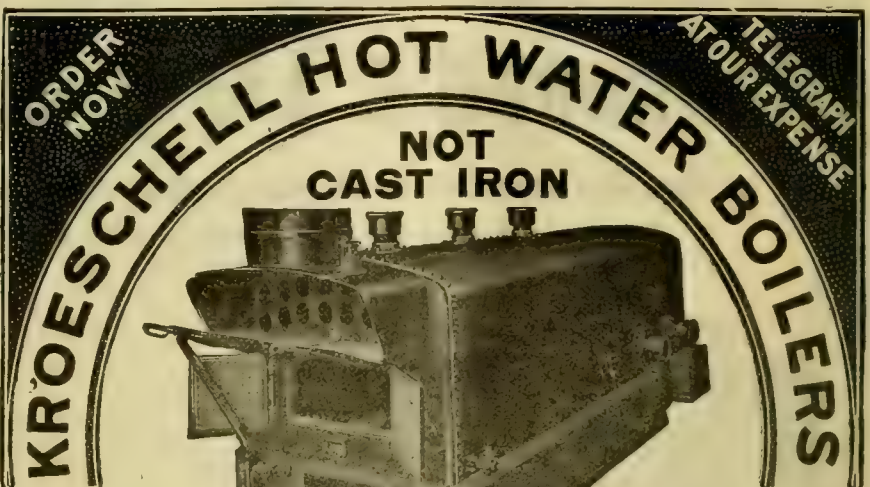
Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{8}$ and $\frac{1}{2}$ inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

Vaughan's Seed Store,
Chicago New York.



Mention the American Florist when writing



NO SECTIONS
EASY TO SET UP
Made of Boiler Plate
Absolutely Safe
CANNOT CRACK

Has Thin Water Ways
Vertical Circulation
The Longest Fire Travel
Heats Quick, Easy to Clean
More Direct Surface than
any Other Boiler

Send for Catalogue.

WHAT THE USERS SAY

Better than All Others

I have fired boilers for the last forty years. The Kroeschell is the best I have ever used. I have two cast iron boilers, also a locomotive boiler coupled with yours, but did not need to use the cast iron boilers this winter. Your No. 7 boiler is rated at 15,000 sq. ft. of glass and carries 25,000 sq. ft. of glass until the outside temperature goes down to 10° of frost. We have no trouble to keep temperatures in our houses with easy firing since we installed your boiler. From the boiler to the farthest end of our violet houses and return is 800 feet, and circulates very quickly.

THE SALT FORD FLOWER SHOP,

Wm. D. Saltford, Poughkeepsie, N. Y.

KROESCHELL BROS. CO., 452 W. Erie Street,
CHICAGO, ILL.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.

Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO., Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND,
INDIANA

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880
22nd and Lumber St.

CHICAGO

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.
Edgewater and Roschill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Peerless Refrigerators

Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

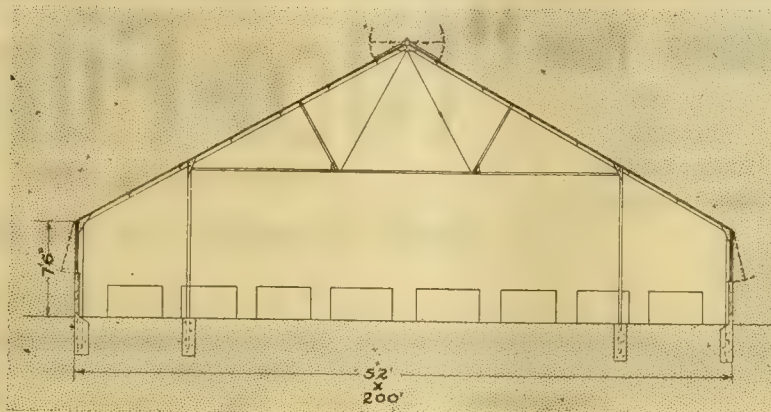
Send for our new catalogue.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning

Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J



Wm. Nicholson of So. Framingham, Mass., Recommends Our Iron Frame Houses After Testing Them Fourteen Years.

"In reply to your favor, will say that I cannot speak too highly of the two Iron Frame houses that you built for me, both in quality of material furnished, and also the good work in their erection.

The first one has been up fourteen years.

We have not put one square foot in a bench, and they all seem good for five or six years more.

The material used was No. 1 cypress.

The second house has been up nine years, and the benches are just as good as new.

The two houses together have taken less than two boxes of glass for repairs in fourteen years.

We think so well of the L. & B. firm and their style of greenhouses that my son, W. R. Nicholson, who has succeeded me in business, has just placed an order for an Iron Frame house 200x52 feet, to be erected this spring."

Very truly yours,



Wm. Nicholson

Lord & Burnham Company

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.



Pipe Carriers.

Absolutely the best on the market. You need pipe carriers now, why not give us a trial order? They are like Cracker-Jacks: "The more you try them the more you want."

WRITE US TO-DAY.

Geo. M. Garland Co.,
Lock Box S, DES PLAINES, ILL.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Furnishes the
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE

By far the
CHEAPEST
JUST NOTE PRICES

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

PULVERIZED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

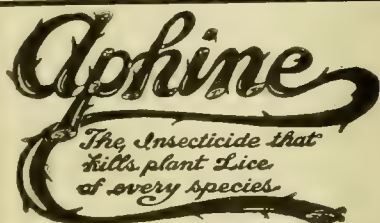


PULVERIZED OR SHREDDED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All our spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

*green flies and
black ones too*

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

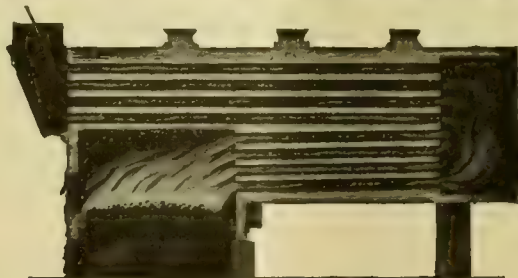
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

The Early Advertisement
Gets There.

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS. Ten pounds, \$3.00; Twenty-five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottoms and Sides. Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,

Garfield Bldg.,

Cleveland, O.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schnyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.

CHICAGO

PRICE, ONE DOLLAR, POSTPAID.

Mention the American Florist when writing



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SPECIAL OFFER

That every one may know the superior qualities of the

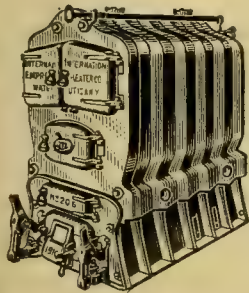
Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order**, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.90 for outfit. Write name and address plainly. Cash must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.



Describe a First-Class Greenhouse Boiler.

Fuel capacity for the longest winter. Simple enough to be fool proof and conservatively rated. That is the **INTERNATIONAL EMPRESS BOILER** to a dot.

If you haven't one already, write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co., RACINE, WIS.

Mention the American Florist when writing

REED & KELLER,

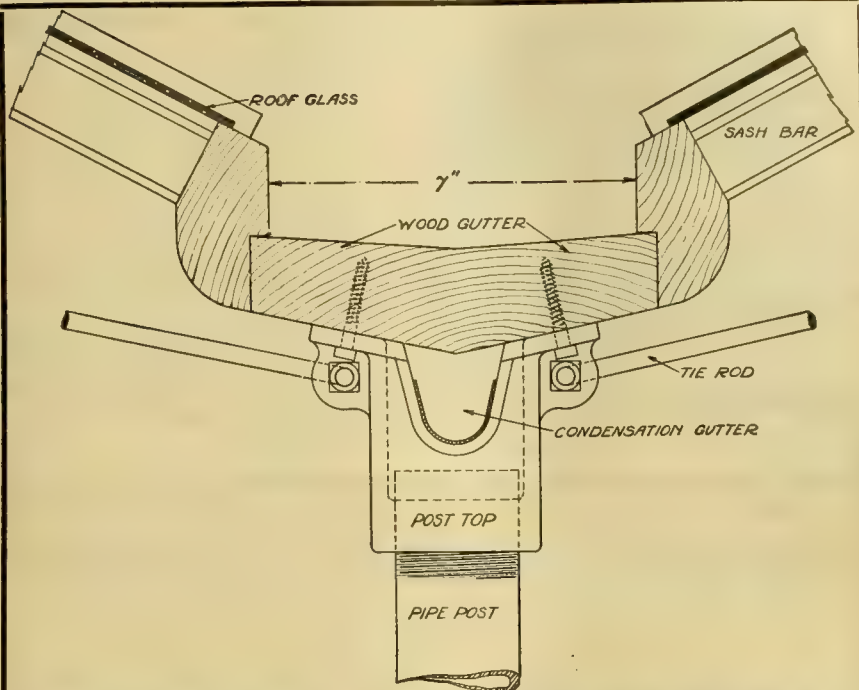
122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing



KING GUTTER

MADE OF WOOD

"LEST YOU FORGET"

We want you to know that we make a wood gutter, and a good one, too. It combines all the good points of other wood gutters, **"AND THEN SOME."**

Note that the condensation and drip run down the side and sloping bottom to a drip pan placed under the gutter where it makes no shade.

We know it will do that, for we have tried it. This gutter lends itself to an outside wall, as an eave, most admirably.

Let Us Figure With You

on any greenhouse project you have in mind. We may give you new ideas, and you will see

A Great Light

WRITE US

King Construction Co.

Home Office and Works
N. TONAWANDA,
N. Y.

Boston Office
Winthrop Bldg., 7 Water St.,
Boston, Mass.

Eastern Sales Office
1181 Broadway,
New York

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

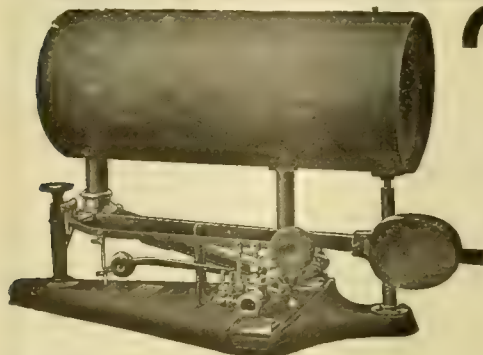
Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La

Philadelphia
Birmingham Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.



WILKS Hot Water Boilers ARE BEST FOR Heating Greenhouses

No Night Fireman Required
With Our
Self-Feeding Boilers

Will keep an even and continuous
fire for ten hours and longer with-
out any attention.

Very Economical in Fuel. Hard or Soft Coal.

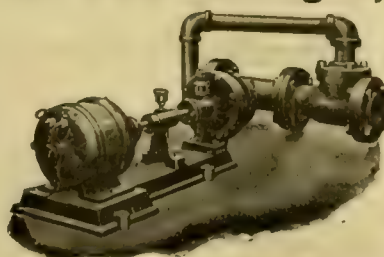
Send for our new catalogue and prices.

S. Wilks Mfg. Co.,

3503 Shields Avenue,

CHICAGO, ILL.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

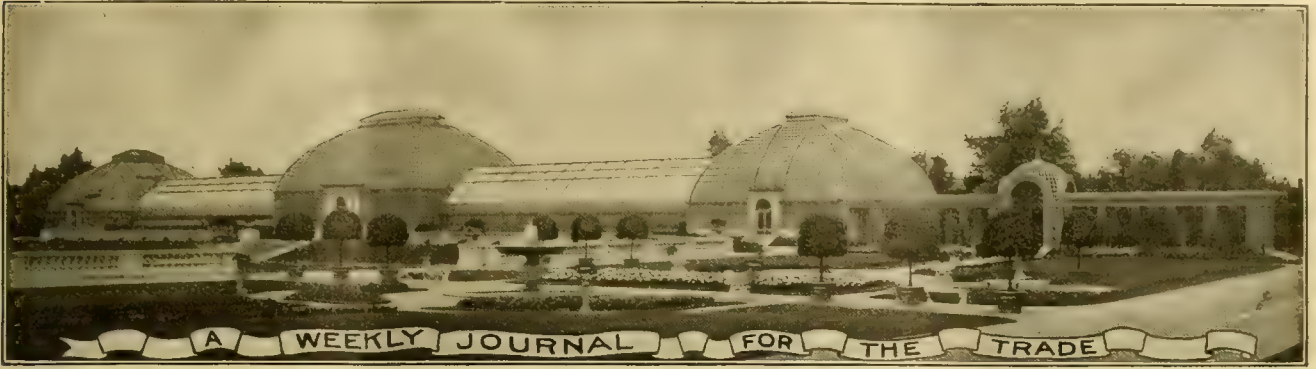
Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

THE AMERICAN FLORIST



America is "the Prow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, OCTOBER 26, 1912.

No. 1273

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FAROUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

Index to Advertisers,
Page 830

Ready Reference Advt.,
Page 831

Help and Situations Wanted,
Advertisements,
Page 797

SUGGESTIONS FOR PLANT GROWERS.

Outdoor Roses.

The hybrid perpetual roses should now be made ready for the winter. Many growers lay the canes down and cover them with earth. While this may be necessary in extremely cold sections yet in the majority of places in the country it will not be required. Under no circumstances cut the canes back, but leave all the wood that has been made on the plant, for it will winter kill to some extent, and it is but six or eight inches at the base that is wanted for next year's growth. This six or eight inches should be well protected from the freezing weather. If the bushes are planted in rows, the earth should be spaded out between them and thrown around the bushes, making ridges about 10 inches above the level of the soil. This will make a trench between the rows about 18 inches deep, which should be filled with manure. The manure should be barnyard manure with more or less straw in it, and will make a fine covering for the ground. Where the bushes are planted individually the soil should be banked around them in a similar manner and the trench around the bush filled with manure, allowing some of the manure to come up around the bush. In the spring the manure will have almost all disappeared and the soil can be spaded back into the trenches and the remaining manure spaded in. This will carry the rose bushes through almost any winter and give them a good manuring for the next season's growth.

Violets.

The temperatures of both night and day have now become settled enough to keep the violet houses in the best growing conditions, and the plants should have made a strong healthy growth, and be producing blooms of good quality. The first sign of disease will sometimes make its appearance as early as the first of November, yet it ordinarily does not show up until later in the year during the dark, dull weather. All leaves which show

disease should be picked off at once, and if there appear to be any great amount making its appearance, run the plant a little dry, and under no circumstances allow moisture to remain on the foliage over night. Water only on bright days and then early in the morning. Give all the air possible during the day, and if the disease continues raise the temperature a little at night and do not open the houses quite as much or as early in the morning. A little warmer temperature will induce a new root action, and if this takes place the plant will begin to make a new growth and the disease will disappear. The disease only makes any great headway while the plants are not growing, for when "the elegant spring," as one grower always used to express it, comes, the plants take on new vigor and the disease is no more. As soon as the plants begin to grow the temperature can be dropped to normal for the culture of these plants, which should be about 40° at night. Be careful in removing the leaves not to disturb the plants any more than necessary. Do not pull them off carelessly but pinch them off with the thumb and forefinger.

Ferns.

A good stock of small ferns is a necessity at this season of the year to the florist having a retail trade, for the fern dishes will now be coming in to be refilled and this has become quite a feature of the business. While this branch of the trade is in many cases very unsatisfactory, yet it is greatly the fault of the dealer that it is so, and with a little care and method can be made very remunerative and satisfactory to himself and his customers. In the first place a book should be kept giving the date when such customer's dish was filled, and above all things do not endeavor to buoy the customer up with any false hopes as to how long the dish will keep in good condition. In many cases the dish is placed on the center of the table 15 to 20 feet away from any light, the care left to domestics, and it may never be watered from

the time it reaches the house until it is returned to be filled, and oftentimes the customers will say it was only a week or two since it was filled, when by reference to the book it will be found to have been two months. When the dish is returned make a note as to what varieties seem to have succeeded the best and use these in refilling. It is wonderful to note the effect on the different varieties in different houses. What will live and thrive in one house will often be the first to die in another. Have a few dishes put up ready for sale. It is often possible to make a sale when the customer sees them all ready, though he might not wait to have one made up or would never think of it unless his attention was drawn to it. Beside the ferns, have a good stock of *Asparagus plumosus* and *Sprengeri* in small pots; these will often grow where ferns will not live at all. And also a fine lot of small palms, cocos and kentias, and small dracaenas for the centers of the fern dishes.

Azaleas.

The imported plants of azaleas will soon be received, and preparations should be made to pot and care for them upon their arrival. The plants have been out of the soil now for four or more weeks, and although all the attention possible is given in the packing and shipping, yet the plants suffer considerably and should be handled at once upon their receipt. Have a stock of azalea pots on hand of the different sizes to meet all requirements. The full-sized pot is no longer used to grow azaleas, the plant making a much better appearance in the azalea or half-size pot. Any kind of soil will do, but if the plant is to grow on after blooming a fibrous peat is to be preferred. When the plants are unpacked they should be immediately carried to the potting shed. Some will probably have too large a ball for pots that will look best with the size plant. The roots can be cut off with a sharp hatchet to fit the pot. Have a tub of water in which the ball of earth can be stood until thoroughly soaked. Many growers neglect this, deeming it unnecessary, but in our experience if not done the water runs down the outside of the pot in the new soil and it takes many waterings and considerable time to soak up the old ball, and the plants are meantime suffering for moisture. Pot very firmly, ramming the soil down hard and after potting the soil should be thoroughly watered until all the soil in the pot has become saturated. The inclination is to place the early varieties immediately into the heat, but six weeks in a house at 65° or 70° will bring them into bloom for Christmas and if the plants are received by November 1 ten days in a cool house will enable them to recover from the effects of the long shipment and become re-established and they will force much more readily and successfully. The dropping off of buds is often attributed to this placing them in the very hot houses before they have become settled in the new soil. Frequent syringings will be required after being placed in the warm house. The later varieties should be placed in cool houses or pits until the time to bring them in to the warmer temperature.

SPOKANE, WASH.—W. E. Peters of Wellesley avenue will build a greenhouse at a cost of \$2,000.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Halloween Suggestions.

Make a large pannel and cover with yellow goldenrod. Arrange around it a frame of autumn foliage. Use this in the background of the window as a center piece. On either side drape a curtain made of autumn foliage. In front of the curtain on either side place a tall golden tinted vase filled with yellow chrysanthemums. In front of these vases arrange ferns in groups.

In the center of the window on a mat of autumn leaves place four large pumpkins. Span across them thin



Packing Chrysanthemums.
Wrapping the Bloom.

pieces of board covered with moss on which place another pumpkin which has been bored out at the top. In this top pumpkin arrange a bunch of the large red, shaggy chrysanthemums. In the lower pumpkins make openings and place in them lights. Surround the lower pumpkins with a graceful garland of autumn foliage.

In either corner of the front part of the window arrange a mound of corn ears of the yellow and red varieties, on top of which place a maidenhair fern. Extend garlands of autumn foliage across the ceiling, allowing a number of strands to fall below each garland. In using autumn foliage it is well to use a good deal of the greener variety with the brilliant hues. Arrange palms where necessary. In the foreground as a sale tempter place souvenirs of the occasion, viz.: the small fancy pumpkins used as favors can be filled with tiny red berry sprigs—or a tiny fern can be placed in them. Even lily of the valley with a little sprig of maidenhair will look pretty in them. Then, the large artificial apple can be utilized, filling them with a small bunch

of violets and their foliage, making a Colonial bouquet of it to give it height.

There are a great many different designs in these favor novelties that can be used to advantage. A pretty window display can be arranged with tall wheat grasses as a background in front of which a hedge of autumn foliage is well placed. Group in the center a huge sheaf of wheat surrounded with a hedge of potted chrysanthemums of the different hues and varieties. Around the pots arrange some low ferns. Fill a number of small baskets with berries and boxwood. These can fill up the vacant places. A few small ferneries can be grouped in the front part of the window completing the general effect.

A. E. K.

Winter Care of French Tree Roses.

ED. AMERICAN FLORIST:—

Will you kindly advise me how to take care of French tree roses during the winter—what protection they need, etc.? These roses were brought from France a year ago and are used as ornamental shrubbery in a garden. Michigan. W. F.

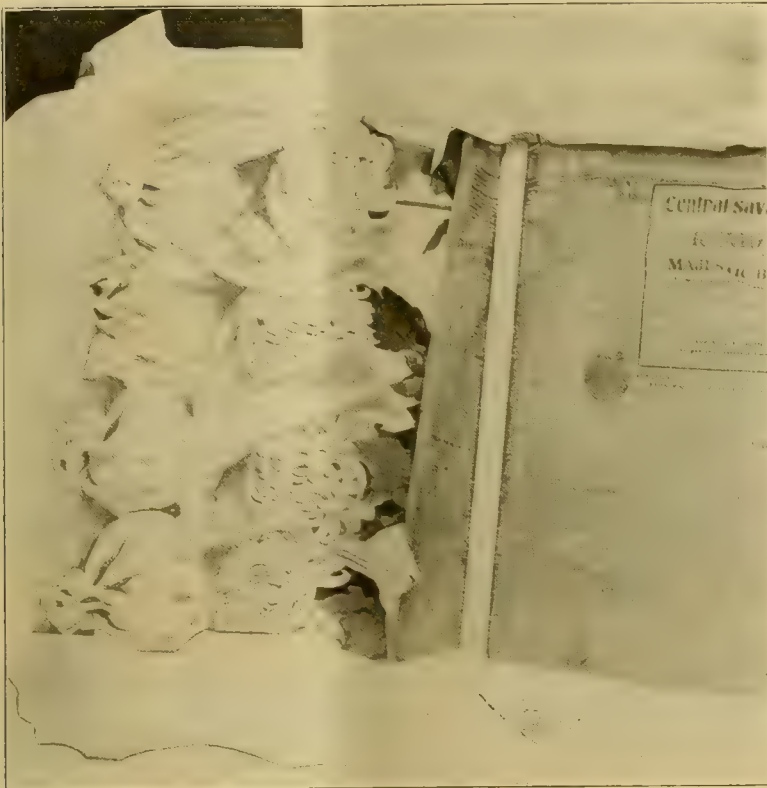
In the colder states tree roses must be protected in some way in winter, preferably by lifting them and storing in a good cold cellar where potatoes can be kept dormant. This is the easiest method, and if the trees are lifted so as to save all the roots and carefully replanted in the spring, they will go ahead with renewed vigor, as this gives opportunity to enrich the soil each year.



Packing Chrysanthemums.
The Bloom Wrapped.

Protection is sometimes afforded by half lifting the trees and laying them down, covering all over with soil. Never use straw or similar material as the mice will ruin all. The better way, however, is to lift and store where the buds will keep dormant, and set out as soon as the weather permits in the spring. All this means trouble, but the possessor will find that tree roses always mean trouble.

E. O. O.



CHRYSANTHEMUMS PROPERLY PACKED.

Blooms in First Tier Are Rolled and Tissue Paper Is Placed Underneath Those in the Next Tier, with the Ends Brought Up Between the Blooms.

CHRYSANTHEMUMS

Preparing for Exhibitions.

The time is now near at hand when intending exhibitors should have all material necessary for packing their blooms in readiness. When the exhibit has to be transported by express, suitable shipping cases should be made and ready before hand. The size usually preferred is 1x2x6 feet. These cases should be lined with newspapers to exclude the air and in cold weather enough paper should be used to exclude frost. If no one accompanies them to attend to the staging each class should be separated with a sheet of paper and plainly marked, with the class number so that those in charge will know each entry at a glance. The varietal names should be plainly written and attached.

Excelsior wrapped with paper into rolls three to four inches in diameter and as long as the box is wide is necessary to support the blooms from the bottom of the box. Sheets of tissue paper large enough to cover the blooms should be cut to the center for wrapping them. Two persons are required to pack advantageously, one placing the blooms in the box and attending to cleating and the other tying on labels and holding the blooms while being wrapped. Beginning at one end of the box, place a roll of excelsior 6 or 8 inches from the end. The helper takes a bloom, holding the head down while the packer slides the cut tissue around the stem and draws the edges downward, giving the corners a few turns with the thumb and finger to keep it in position. It is then placed in the box, allowing the neck or stem of the flower to rest on the roll of excel-

sior, the object being to prevent the outer petals being bruised. The largest and those having the longest stems should be the first placed in the box and so continue until the first row across the box is complete.

One or more wet newspapers that have been previously soaked are laid over the foliage. Over this a wooden cleat is placed, pressing the stem down firmly and nailing securely from the outside of the box into the end of the cleat, so they can not shift. Successive rows are continued until about one third of the box is covered, then begin at the other end and proceed in the same manner. Blooms of varieties that are developing too fast, and are likely to be gone before the shows, should be cut before they are fully open and put in water in a cool place. By changing the water every few days and cutting off a little from the stem they may be kept in good condition for two or three weeks. All blooms intended for this purpose should be cut and allowed to stand in water at least twelve hours before packing.

ELMER D. SMITH.

Climatic Influences.

The effect of climate upon the time of flowering as well as upon the quality of the blooms is not as fully understood and appreciated by the average grower as it should be. We all know that after the plants have become well established the buds appear, and the time of this change is influenced by the weather conditions. Cool nights mean early development, while excessive heat retards. We are in receipt of an interesting letter from Mr. Ellings under date of September 26, who for a time was at Lenox, Mass., two years with us in the middle west, and now at Menlo Park near San Francisco. He says in part: "Sunshine every day and nice cool nights, just mum weather all the time. The buds set earlier and the flowers develop quicker than in the east. Monrovia has all been cut for more than



BENCH OF CHRYSOLORA CHRYSANTHEMUMS.

At Range of Elmer D. Smith, Adrian, Mich.

a week. Crocus is ready now, the best I have ever seen. With us Crocus does not finish until October 25 or a month later."

Mme. R. O'Berthur and Maud Jeffries are among the best commercial kinds with them, while here they are of little use. The majority of the plants of California are grown outside and are covered with cheese cloth to protect them from the dew. The northern half of California has more humidity than the southern portion and should be a splendid climate for the production of high-class blooms. Localities nearest the coast produce the earliest, and those near the mountains the later ones.

Every one who purchased Chrysolora last spring seems to be more than pleased with this variety. We have not heard a dissenting voice. It is certainly the best yellow for October use. Some say it is the best commercial variety ever sent out.

ELMER D. SMITH.

Exhibition Blooms and Seedlings.

The place of greatest interest to the chrysanthemum enthusiast at the present time is among his exhibition blooms or where he can watch his seedlings on novelties unfolding their petals. It is there he will find many surprises and more disappointments, though he will be able to enjoy the results of a close application to his season's work. Every grower should have a note book to record the characteristics of each variety, which will be of great assistance to refer to when mapping out his plans for another season. Not only should this apply to the grower of exhibition blooms, but also to the commercial grower. A record of the time of blooming, keeping qualities and the receipts of sales of each variety is the only way to find out whether the variety is paying for the space it occupies.

The large exhibition varieties are developing fast which means that to get perfect, well formed blooms they must be encouraged in every way. Extreme dampness of whatever form must be avoided. The soil should be held to a moderate condition, neither wet nor dry. This will allow the roots to continue to keep healthy and work steadily. When the condition of the soil is favorable you can plainly see the new white hairy roots appearing through the dirt, and this is a good indication that the blooms are expanding properly and the petalage growing. Next to keeping the soil right is the importance of maintaining an even, cool temperature to add texture and substance to the petalage.

The grower who has only a few exhibition varieties at his command and yet wishes to do his part at the exhibitions is confronted with the problem of keeping some of his blooms in good condition until the time of the show. Some of the largest and best of the imported exhibition varieties are at their highest state of perfection the latter part of October; these will have to be cut and held in water to have them for the shows early in November. In a dry cellar with a temperature of 50 degrees and only enough light to be able to discern the blooms faintly at a distance of twenty feet they will keep for two weeks or more. The blooms should be allowed to remain on the plants

until nearly matured, then they should be cut and placed in jars of fresh water deep enough to hold the stems erect. Every other day change the water, cutting off about half an inch of the stem at the same time.

Do not under any consideration allow either a cold draught or warm air to play upon the blooms or the



Theodore Wirth.

Vice-President-Elect of the Society of American Florists and Member of the Executive Committee of the Minnesota State Florists' Association.



August S. Swanson.

General Supt. of the St. Paul Flower Show.

keeping process will be a failure. Also avoid overcrowding of the blooms both in the jars and in the cellar. Every bloom should stand free and not touch the one standing next to it. These large exhibition blooms require large shipping boxes to carry them to the shows. These should be arranged for in plenty of time. The size of the box which we have found best suited for this purpose is five feet long, 22 inches wide and 12 inches deep, made of light strong material that will stand a lot of knocking around.

The large specimen plants need close attention at the present time.

They are fast budding up and need to be disbudded to obtain good sized blooms with some character to them. These large plants will carry a large number of blooms, but if they are overcrowded the plant has a ragged appearance and lacks finish. However, the disbudding should not be carried to the extreme. The buds are formed at the ends of the stems the same as the terminal buds on single stem grown stock. That is, a main center bud with a cluster of smaller ones around it. Remove the small buds, allowing the center one to remain to form the flower. By following this up over the plant an even lot of good blooms will be the result. If the plants have been mulched with manure they should now be given a top dressing of fresh soil for the root to work in and improve the looks of the plants. Avoid any cold draughts blowing through the plants to guard against mildew attacking the foliage.

C. W. JOHNSON.

St. Paul Flower Show.

NOVEMBER 8-12, 1912.

The Minnesota State Florists' Association has arranged for its second fall show to be held in the St. Paul Auditorium November 8 to 12. The newly elected officers of the state association are: Hugo Will, Minneapolis, president; O. J. Olson, St. Paul, vice president; E. P. Holm, St. Paul, treasurer; S. D. Dysinger, St. Paul, secretary. Theo. Wirth and C. N. Ruedlinger of Minneapolis, L. R. Cady and L. L. May of St. Paul comprise the executive committee.

The show is to be held under the auspices of the state association, but is financed and managed by the St. Paul florists under the following organization: L. L. May, president; O. J. Olson, vice president; C. F. Vogt, treasurer; S. D. Dysinger, secretary. O. R. Eckhardt is chairman of the finance committee, Max Kaiser of the show committee, O. J. Olson of the publicity committee and E. W. Reid of the decorative committee. August S. Swanson, well and favorably known to the trade throughout the country, has been appointed general superintendent of the show.

An ample guarantee fund, pledged by the St. Paul florists, has been subscribed and a large portion of it already paid in with the understanding that all premiums awarded to outside exhibitors shall be paid first. The show committee has enlisted the services of a number of ladies of both St. Paul and Minneapolis who will act as patronesses of the show and attend the opening evening in colonial costume. The debutantes of the season will sell flowers at a finely decorated booth in the center of the hall. The Guild of Catholic Women—an organization with 1,200 members—will serve light refreshments in another well arranged and commodious booth.

On the second day the school children will be admitted during certain hours at a reduced rate. Professor Finney, superintendent of the city's school gardens, will exhibit model gardens in the hall, and will distribute prizes awarded the past season for the best kept gardens to the winners, who will be the guests of the show for the occasion. On Sunday the Symphony Orchestra will give a popular concert in the hall—which has a seating ca-



O. J. Olson.
Vice-Pres. Minnesota State Florists' Association.



L. L. May.
President St. Paul Flower Show Association.



C. F. Vogt.
Treasurer St. Paul Flower Show Association.



E. P. Holm.
Treasurer Minnesota State Florists' Association.



S. D. Dysinger.
Secretary Minnesota State Florists' Association.



Hugo Will.
President Minnesota State Florists' Association

SOME OFFICIALS OF THE FLOWER SHOW TO BE HELD AT ST. PAUL, MINNESOTA, NOVEMBER 8-12.

capacity of about 10,000. It is expected that this will prove a very profitable drawing card. On Monday and Tuesday evenings J. K. M. L. Farquhar of Boston, Mass., president-elect of the Society of American Florists, will give lectures in the hall illustrated with lantern slides of views taken on his world-wide trips in Europe, Japan and many other parts of the globe. On other evenings the Scandinavian and German singing societies with choruses of several hundred voices will entertain the crowds. An orchestra of twenty pieces will discourse music every afternoon and evening and prominent vocal soloists will also lend their assistance.

The show has been strongly endorsed by the Association of Commerce in a letter mailed to each of its 1,200 members, and a delegation of its members will solicit the sale of season tickets

among the merchants of the city. The local newspapers have had a daily news item regarding the show for several weeks and the public interest is aroused. Other and various forms of publicity have been or will be announced by posters in store windows, street car signs, newspaper advertisements, etc., etc., so that if wide publicity means anything the show should be well attended.

A large and attractive premium list has been arranged with prizes aggregating \$6,000 or more in value. A class for amateurs has been provided for as well as a special class for photographs of lawns and gardens. A large number of cash prizes and trophies are offered by members of the trade and its allied industries throughout the country. The St. Paul Dispatch, the St. Paul Pioneer Press and the St. Paul Daily News all offer val-

uable silver cups, while a number of cups and other trophies will be offered by the St. Paul merchants. The Chrysanthemum Society of America offers an affiliation cup. The Minnesota Rose Society has sent out a letter to all of its members urging attendance at the show and competition in the photographic contest.

The following well-known members of the trade will serve as judges: W. N. Rudd, Morgan Park, Ill.; J. S. Wilson, Des Moines, Ia.; W. L. Rock, Kansas City, Mo.; J. J. Hess, Omaha, Neb. Exhibits are promised from New York, New Jersey, Pennsylvania, Ohio, Michigan, Indiana, Illinois, Iowa, Wisconsin, Missouri, Nebraska, North Dakota and Minnesota. It is expected there will be keen competition in all classes, and with weather as favorable as other conditions the show should be a record breaker.

S. D. DYSINGER, Sec'y.

Fall Planting.

Paper read by Thomas Beattie before the Detroit Florists' Club, October 21.

The time allowed for the preparation of this paper on "Fall Planting" was almost as limited as these remarks will necessarily be, but I hope to touch on a few essential points that will provoke discussion which will be to our mutual benefit.

Fall planting of shrubs and hardy perennials might be divided into two classes: early and late, with the preference strongly in favor of the former. While the majority of the stock planted late in the season may pull through the winter and start into growth in spring, it is a decided advantage to have the roots established before severe weather sets in. More especially is this the case with herbaceous stock, many varieties of which are sure to winter poorly if left until the end of the season. September and early October are the ideal months for almost all of this class.

The grounds surrounding Scripps' Library, Trumbull and Grand River Aves., are an example of very early planting, where most of the stock, both shrubs and perennials, was put in place during August and September with great success. The perennials grew luxuriantly and flowered profusely during the first season, and the shrubs made much more than an average growth. This was very noticeable in the case of the lilacs, which usually stand still during the first year following transplanting. Where such early planting as this is practiced, it is necessary to strip all of the stock and thoroughly water it.

The Hudson Motor Car Co.'s grounds, in front of the factory and office buildings might be cited as an example of late planting where the work was completed in November of last year, and the loss, during the winter which was an unusually severe one, was less than a dozen pieces out of some 1,700. No protection was given in this case, but only the hardiest of deciduous shrubs were used, and the beds were unusually well prepared, the soil being of a sandy nature.

Right here a word might be said in regard to the preparation of the ground, which is really the foundation of all planting. One of the commonest mistakes of the average home owner is the placing of shrubs in the complicated mixture of clay, bricks, laths, shingles, etc., which the excavator and builder have so considerably left him for this purpose. A little foresight in this matter, where filling is necessary, would prompt the home builder to scrape his good soil into piles that could later be graded on top of whatever under-filling is required, and thus escape the aggravation that many experience, through the knowledge that some 4 or 5 feet beneath the surface of clay is a depth of good soil that would suit all planting purposes could it only claim its rightful position on top. Where such conditions as these exist, it will pay, in every instance, to remove the clay and re-fill with good sandy soil and manure, to a depth of 18 inches. While most shrubs will grow in hard clay when once established, the working of the ground around them is an incentive to profanity, and the loss of the time spent in trying to pulverize the soil annually will more than



THE LATE LEE WALZ AND MRS. WALZ.
In the Walz Rose Gardens, West Seattle, Washington.

offset the amount spent in proper preparation.

In relation to spring planting the fall has many advantages, except in the case of a few of the less hardy subjects, such as the altheas, for instance, which are not entirely hardy in Detroit. Fall planted stock will always show a much better growth during the first year than that put in during the spring season, due to its being in position to start with the first warm days in April without suffering any check. The gardener, too, has always more time to give attention to details at this season, when his energies are not directed in many different channels, as is the case early in the year.

In the spring the ground is not in condition to work when planting ought to be begun, but by the time the stock has been dug in the nursery, reposed in a box car from one to two weeks, become heated and made a growth of several inches, much valuable growing time has been lost and a severe shock administered to the plants. Where it is absolutely necessary to delay planting until spring, the stock should be procured in fall and heeled in over winter, ready to be placed in its permanent position just as soon as the condition of the ground will permit.

Third National Flower Show.

C. H. Totty, chairman of the National Flower Show committee, announces the following special premiums in addition to the number already published:

The Nassau County (N. Y.) Horticultural Society will donate a silver cup, value \$50, to be used as the committee thinks best, but for competition by private gardeners only.

The Westchester (N. Y.) and Fairfield (Conn.) Horticultural Society will donate a silver cup, value \$50 and will leave the disposition of same to the committee.

The Morris County (N. J.) Gardeners & Florists' Society offers a prize of \$50 in cash, to be awarded as the committee sees fit.

Henshaw & Fenrich, New York, offer a silver cup, value \$25, class to be announced by the committee.

John Waterer & Sons, Bagshot, England, offer \$100 for a group of rhododendrons covering 100 feet.

The American Institute of the City of New York offers the following medals to be awarded as the committee sees fit: the special medal of silver; the bronze medal of superiority; the bronze medal of excellence; the bronze medal of merit.

The Pittsburgh Cut Flower Co., 121 Seventh street, Pittsburg, Pa., offers

a \$25 silver cup, to be awarded for twenty-five blooms of the best pink forcing rose, not yet disseminated, either of domestic or foreign origin.

The Yokohama Nursery Co., New York, offers a prize of \$20 to be used in the discretion of the committee.

John I. Pratt offers a prize of \$25 in the class for gardenias.

The Massachusetts Horticultural Society offers one gold medal and three of its silver medals for award in classes to be announced later.

The New Jersey Floricultural Society offers a silver cup, value \$25, for competition in any class the committee desires.

The Lenox Horticultural society offers a silver cup, value \$25, for a vase of twenty-five cut roses, any one variety except American Beauty, the competition to be open to private gardeners only.

J. H. PEPPER,

Chairman Publicity Committee.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that the Waban Rose Conservatories, 3A Somerset Street, Boston, Mass., offers for registration the following rose. Any person objecting to the registration of this rose or to the use of the proposed name, is requested to communicate with the undersigned at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

Mrs. Charles Russell, seedling raised in 1907 by Alexander Montgomery, Jr., at the Waban Rose Conservatories, Natick, Mass. Parents, unnamed seedling and General McArthur. Growth free and vigorous, foliage heavy and rather coarse, after the style of General McArthur. Flower large and full as American Beauty. Color a clear rose pink.

October 10, 1912.

REGISTRATION OF CANNAS.

Public notice is hereby given that the Conard & Jones Co., West Grove, Chester County, Pa., offers for registration the following new cannas. Any person objecting to the registration of these plants or to the use of the proposed names is requested to communicate with the undersigned at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTIONS.

Blanche Wintzer, height 3½ feet; one step nearer the perfect white canna; whiter and larger than Mont Blanc, which for ten years has been the best. Antoine Wintzer looks upon "Blanche Wintzer" as one of his greatest triumphs, so exquisitely white and pure are its glistening petals. A rather dwarf grower, on a green foliage, fine for bordering beds, for individual specimens, and for indoor bloom. Florists' Exchange, of September 28, 1912, says, "This is the finest white canna, undoubtedly the world has ever seen."

Loveliness, height 3 feet; the color of this exquisite canna is most difficult to describe, but we think that "bright, ruby carmine" will convey to our customers the entrancing loveliness of this most charming variety. The blooms are formed on large heads

which are borne erect, and the individual flowers, with firm, well made petals, are of the new "gladioflora" type introduced by us. The foliage is delicate green, which harmonizes perfectly with the beautiful flowers. The plant is very vigorous and will produce numerous stalks in a season.

Jennie Walls Fahnlne, height 4½ feet. This glorious combination of pink and primrose arouses enthusiasm always on account of its dainty coloring and unique markings. The lips of the petals are flashing carmine pink, which shades toward a throat of soft primrose, delicately dappled pink. Each petal is faintly edged with gold. The effect is dainty, artistic and fascinating.

Panama, height 3 feet. The color of this charming canna is unusual, being an attractive rich orange red with a well defined wavy edge of bright golden yellow. The flowers are very large, the petals being almost round and as broad as they are long, and having great durability. The gigantic blooms command attention and admiration.

Lorraine, (improved) height 5 feet. Delicate rose pink, distinctly bordered with cream. Lower petal is cream splashed with pink. A marked advance over our old Lorraine of a dozen years back.

Maid of Orleans, height 4½ feet. Ground color is rich cream, over which is shaded and mottled in beautiful fashion an attractive pink. The flowers are very large, and the foliage is probably the richest of any of the green leaved kinds, being a soft olive green with the edges tastefully crimped and distinctly marked with bronze.

Sam Trelease (improved), height 3 feet. The general habit of this canna cannot be surpassed, as the blooms are formed on strong straight stems which shoot up well above the perfectly formed soft green foliage. The flower is most exquisite in color, an intense poppy red with a thread of brilliant yellow around the edge of each petal. Tips of petals are solid poppy red, which gradually shade to yellow, mottled and striped with red on the throat and tongue. An exquisitely beautiful variety.

Wonderful, the greatest novelty yet produced in cannas. The flower is of good size and is produced well above the soft green foliage on tall straight stems, well furnished with blooms. The flowers are an exceptionally attractive shade of rich gamboge yellow with a faint tinge of carmine on the throat and tongue. The great value of this "wonderful" canna lies in the fact that the usual four petals of the ordinary canna have been just doubled to eight well formed petals, which overlap each other most gracefully.

JOHN YOUNG, Sec'y.

October 15, 1912.

National Association of Gardeners

BOWLING TOURNAMENT.

A bowling tournament has been arranged for in connection with the annual convention of the National Association of Gardeners, which will be held in Newark, N. J., on November 19. The tournament will be rolled on the Tuxedo Academy alleys, Halsey Street, Newark, on Monday evening, November 18, and Tuesday forenoon, November 19.

Teams of three men, members of the local societies, or clubs they represent, and members in good standing of the N. A. G., will roll on Monday, the tournament beginning promptly at 8 o'clock in the evening. A silver challenge cup, to be known as the "Aphine" cup will be contested for in the team tournament. Entries will close for teams on Saturday, November 16 and should be sent to M. C. Ebel, secretary, National Association of Gardeners, Madison, N. J., before that time.

The individual tournament will begin at nine o'clock sharp on Tuesday morning. To be eligible in this tournament bowlers must be members of good standing in the N. A. G. The president's cup, offered by President Thomas W. Logan, will go to the bowler making the greatest number of strikes during the tournament. There will be many other prizes offered, both for teams and individuals. For any further particulars address the secretary of the association.

JOSEPH MANDA,

Chairman Committee on Bowling.

OBITUARY.

Gustavus Schoenfield.

Gustavus Schoenfield of Westfield, N. Y., a native of Germany, died in a Buffalo hospital, October 10. He was 65 years old and came to this country in 1855. He engaged in floriculture and grape growing and became known as an authority on grape culture. Mr. Schoenfield is survived by his wife, three sons and four daughters. He was a member of the board of education and prominent in his home town.

Leopold Paul Walz.

The death of Leopold Paul Walz, at one time prominent in the Chicago retail trade but for the last nine years proprietor of a cut flower store in Seattle, Wash., occurred at 3 a. m., October 16, at his home in West Seattle. Heart failure was the cause of his demise and the end came suddenly, deeply shocking his wide circle of friends throughout the country. Mr. Walz left Chicago for Seattle when the flower trade in the latter place was in its infancy and saw it grow by leaps and bounds, more than holding its own with the other industries of the booming northwestern metropolis. He took a prominent part in the trade of his adopted city and according to another florist of the same place he "did perhaps more for the welfare of the trade than any other man in the extreme Northwest." At the time of his death Mr. Walz owned a thriving establishment on Second avenue and did both a wholesale and retail business.

WHEELING, W. VA.—Albert Lasch has made extensive improvements to his greenhouses.

PADUCAH, KY.—C. L. Brunson has sold his flower business to John Van Hart of Philadelphia.

GREENVILLE, O.—James Frost had a greenhouse damaged by a fire that destroyed his barn and machinery October 3.

ROCKVILLE, MD.—Mrs. Elizabeth S. Iddings, for 44 years secretary of the Horticultural Society of Sandy Spring, was recently presented with a handsome silver vase, the gift of her fellow members.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and all Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	789
—Outdoor roses.....	789
—Violets.....	789
—Ferns.....	789
—Azaleas.....	790
The retail trade.....	790
—Halloween suggestions.....	790
Winter care of French tree roses.....	790
Chrysanthemums (illustrated).....	791
—Preparing for exhibition.....	791
—Climatic influences.....	791
—Exhibition blooms and seedlings.....	792
St. Paul flower show.....	792
—Theodore Wirth (portrait).....	792
—August S. Swanson (portrait).....	792
—Some officials of flower show to be held at St. Paul (portraits).....	793
Fall planting.....	794
The late Lee Walz and Mrs. Walz (illus.).....	794
Third national flower show.....	794
Society of American Florists.....	795
National Association of Gardeners.....	795
Obituary.....	795
—Gustav Schoenfeld.....	795
—Leopold Paul Walz.....	795
Rose sunburst.....	796
Chrysanthemum Society of America.....	796
Coming exhibitions.....	796
Meetings next week.....	796
Coming state fairs.....	796
Important to subscribers.....	796
Chicago.....	798
Boston.....	803
Pittsburg.....	804
Cleveland.....	804
Cincinnati.....	804
St. Louis.....	805
Montreal.....	805
Philadelphia notes.....	806
Urbana-Champaign, Ill.....	806
Chicago bowling.....	807
Philadelphia.....	808
New York.....	810
Rochester, N. Y.....	816
Washington.....	812
Nashville, Tenn.....	816
The seed trade.....	818
—European seed crops.....	818
Market gardeners.....	822
—Prices of indoor fruits and vegetables.....	822
Elyria, O.....	822
The nursery trade.....	824
—To importers of nursery stock.....	824

Rose Sunburst.

ED. AMERICAN FLORIST:

I notice in your issue of October 12, page 690, that "Mac" in the Boston notes remarks that I would have to come to Boston and give a few pointers on growing the Rose Sunburst, from which I assume that the Sunbursts he saw in the florist's window were poor. This is a pity and is no fault of the rose. Sunburst in any market where it can be obtained in quantity has already established itself as the premier yellow. In the same edition, page 704, in the New York notes, I note that top grade Sunburst has touched 20 cents in the market. Magnificent flowers are coming into the New York market every day from a dozen different growers, showing that it is not any particular man's culture or conditions that make this such a fine rose. Some growers have found that in their section and soil it does not come well grafted. Personally, it is just as good with us either grafted or own root. I predict it will be a long time before we have a yellow rose that will take the place of Sunburst.

C. H. Totty.

Chrysanthemum Society of America.

Special prizes to be awarded by this society at its exhibition at the American Institute, New York, November 6-8, 1912, are as follows:

Class D—Elmer D. Smith & Co.'s prize for 12 blooms of Manhattan, first, \$15; second, \$10. Open to private gardeners only.

Class K—Harry E. Converse's prize, silver cup for 6 blooms Harry E. Converse. Open to private gardeners only.

The complete schedule of prizes may be had by applying to W. A. Eagleson, secretary board of managers, American Institute, 19 West Forty-fourth street, New York, to whom all entries are to be made.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York—Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipment should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during October and November, the dates of which will be October 26 and November 2, 9, 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Substance.....	15
Form.....	15	Size.....	10
Fullness.....	10		
Stem.....	15	Total.....	100
Foliage.....	15		
Exhibition.			
Color.....	15	Depth.....	15
Stem.....	5	Size.....	30
Foliage.....	5		
Fullness.....	15	Total.....	100
Form.....	15		
Single Varieties.			
Color.....	40	Stem and Foliage.....	20
Form.....	20		
Substance.....	20	Total.....	100
Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20		
Stem and Foliage.....	20	Total.....	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

October 23-26, 1912, San Francisco, Calif.—Fall flower show, Pacific Coast Horticultural Society, Fairmont hotel. Angelo J. Rossi, manager, 2114 Steiner street, San Francisco.

October 24-26, 1912, Lenox, Mass.—Fall exhibition, Lenox Horticultural Society. Geo. H. Instone, secretary, Lenox, Mass.

October 24-26, 1912, Pasadena, Calif.—Fifth annual fall flower show, Pasadena Horticultural Society. Geo. H. Kennedy, secretary, 497 Bradford street, Pasadena.

October 25-27, 1912, Tuxedo Park, N. Y.—Annual exhibition, Tuxedo Horticultural Society, Tuxedo Club House. David S. Miller, secretary.

October 29-30, 1912, Glen Cove, L. I., N. Y.—Chrysanthemum exhibition, Nassau County Horticultural Society. James McDonald, corresponding secretary.

October 29-31, 1912, Asbury Park, N. J.—Chrysanthemum show, Elberon Horticultural Society. Ben Wyckoff, secretary, 1104 Fourth avenue, Asbury Park.

October 29-31, 1912, Yonkers, N. Y.—Annual chrysanthemum exhibition, Yonkers Horticultural Society, Yonkers Armory. Wm. Mills, secretary.

October 31-November 1, 1912, Madison N. J.—Seventeenth annual flower show, Morris County Gardeners and Florists' Society, Assembly hall, Edward Reagan, secretary, Morristown, N. J.

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 4, 1912, Montreal, Que.—Fall exhibition, Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street, west. W. H. Horobin, secretary, 283 Marquette street, Montreal, Que.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania hall. Arthur S. Peterson, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dvinyer, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory. John N. Stockwell, secretary, 218 City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Meetings Next Week.

Baltimore, Md., October 28, 8 p. m.—Gardeners and Florists' Club, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., October 28, 7:30 p. m.—Cleveland Florists' Club, 2610 Detroit avenue.

Lake Forest, Ill., October 30, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

Lake Geneva, Wis., November 2, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

Lenox, Mass., November 2.—Lenox Horticultural Society.

San Francisco, Calif., November 2.—Pacific Coast Horticultural Society.

Coming State Fairs.

The following is a list of coming state fairs, with the names and addresses of the superintendents of the horticultural and horticultural departments so far as obtainable:

October 28-November 1, Columbia.—South Carolina State Fair, Col. T. J. Moore, Moores, S. C., and Col. D. P. Duncan, Columbia, S. C.

October 28-November 2, Phoenix.—Arizona State Fair, John E. Logan, Tucson, Ariz.

October 31-November 6, Shreveport.—Louisiana State Fair, Robt. Glenk, State Museum, New Orleans, La.

November 11-16, Hot Springs.—Arkansas State Fair, Chas. Starke, Hot Springs, Ark.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By florist and gardener; middle-aged German, with life experience. Address Key 720, care American Florist.

Situation Wanted—In or near Cleveland, florist, well up in greenhouse work and garden; best of references. 3616 Mayheld Road, Cleveland.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, American Florist.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture. Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Help Wanted—Store man with business ability; must have some money to invest in a store proposition. Address, VERN L. SCHLURAFF, Erie, Pa.

Help Wanted—Seedsmen with experience to canvas market garden trade. Give reference and salary expected, with first letter. THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Assistant florist, with experience in growing choice pot plants; English or Scottish preferred. Wages \$14.00 per week. Mail copies of references in first letter. Address 3132 McHenry Ave., Westwood, Cincinnati, O.

Help Wanted—A man who can grow shrubs, roses, etc., and manage greenhouse. Married man preferred. Moderate salary at first with chance of promotion. Give full particulars and salary wanted. PARKER BROS. NURSERY CO., Fayetteville, Ark.

Help Wanted—Competent grower of cut flowers and pot plants to take charge of 30,000 feet of glass in Missouri. Must be sober; married German preferred. Steady position; state wages expected, reference in first letter. Address, Key 715, care American Florist.

Help Wanted—An experienced gardener, married, small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address, J. M. OVERTON, Nashville, Tenn.

Help Wanted—Experienced grower, as working foreman to take charge of eighteen thousand feet of glass; Western New York. Must be successful rose grower, and be ready to come not later than Nov. 1, 1912. State wages desired in reply. Address, Key 714, care American Florist.

Help Wanted—Working gardener, married, English or Scotch preferred; must be experienced in flower and vegetable gardening, shrubs, trees, and general care of country estate, also desirable that he could assist in landscape work; no greenhouses; wages \$60 to \$65 to start, with new gardener's house, vegetables and milk; no other perquisites; state past and present employers, size of family, your age, nationality and your experience in detail, with names of references; excellent position for right man under excellent conditions; only man of unquestioned character and habits considered; position open immediately. Write at once T. A. M., Key 719, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Good-paying retail store on south side of Chicago; liberal inducements to the right party; a bargain; write quick; good reasons for selling. Key 712, care American Florist.

For Sale—Floral Store, in the best location in Avondale, Cincinnati's wealthy suburb. Reason for selling: ill health. M. SHANAHAN & CO., 3525 Reading Road, Avondale, Cincinnati, Ohio.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

For Sale.

3 60x16 Tubular Boilers, \$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

SITUATION WANTED.

High Class Storeman and Designer is open to engagement. Age 35, married. Address,

Key 713, care American Florist.

Salesman Wanted And Assistant Decorator.

Must also have a slight knowledge of buying; must be willing worker, and furnish highest references. Moderate salary to start; splendid opportunity in the future for the right party. Address, Key 709, care American Florist.

Help Wanted. Experienced Saleslady and Designer

To work in Chicago retail store.

Key 715, care American Florist.

TO DRUM UP BUSINESS.

Advertiser has opening for hustling young man who can make good selling to florists. Salary and commission. Send full particulars in first letter to

Key 705, care American Florist.

FOR SALE

Second hand Orr & Lockett \$650.00

ICE BOX FOR \$150.

Brass railing and all in A No. 1 condition. Enquire of

RASKE,

170 W. Jackson Boulevard,
CHICAGO, ILL.

FOR RENT.

Three greenhouses, consisting of about 10,000 square feet of glass, located on 5th Avenue and 29th Street; houses and boilers in good condition; any reasonable offer will be considered. Address

J. A. MENDEL, Receiver,
1424 West 18th Street, CHICAGO.

FOR SALE.

Greenhouse, Barn and Dwelling House in Auburn, N. Y., on street car line. Lot 200 feet front by 400 feet deep. Greenhouse full of stock. Also horse, wagons, tools and implements. Cost \$16,000. Will sell for \$8,000, half cash.

M. V. AUSTIN, Jr.,
Trustee in Bankruptcy,
79 Genesee St., AUBURN, N. Y.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address Key 718 care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Ivend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of Sprengerii, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences, and one five-room cottage in good condition; big packing shed, cellar and barn, 2 artesian wells wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice White, Yellow and Pink, medium, \$2.50 per doz.; large, \$3.00 to \$4.00 per dozen.

Pompons, White, yellow and pink, 50c per bunch.

Asst. Roses, our selection, \$20.00 per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$4 00
36-inch	3 00
24 to 30-inch	\$2 00 to 2 50
18-inch	1 50
12-inch	1 00

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 to \$12 00 per 100
Extra long select.....	8 00 per 100
Good length.....	6 00 per 100
Medium length	\$4 00 to 5 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Good.....	\$3 00 to \$4 00
Medium.....	2 50

FINE EASTER LILIES.....

per doz., \$1 50 12 00

Lily of the Valley.....\$3 00 to 4 00

Smilax..... per doz., \$1 75 to \$2 00

Asparagus Sprays..... 2 00 to 4 00

Sprengerl..... 2 00 to 3 00

Adiantum..... 1 00 to 1 50

Leucothoe Sprays..... 0 75

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns.....per 1000, 2 00

Mexican Ivy.....per 1000, 6 00 75

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457.

Chicago.

CHRYSANTHEMUMS MORE PLENTIFUL.

The market was very firm the opening of last week, but began to ease up about Wednesday. Chrysanthemums are improving in quality and are received in larger quantities. There are more small flowers on the market but they can be had in all sizes, grades and quality, from the pompon to the large blooms fit for the exhibition table. Some exceptionally fine Virginia Poehlmann are arriving and are having a good call. The following varieties are now arriving: Chrysolora, Donatello, Robert Halliday, Crocus, Kalb, white and yellow Mlle. Clementine Touset, White Gem, Geo. S. Kalb, Early Snow, Glory of the Pacific, October Frost, Smith's Advance, Polly Rose, Unaka, Pacific Supreme, Viviani Morel, Roseire and Monogram. American Beauty roses of good quality are arriving, with the supply of long-stemmed stock about equal to the demand. Short and medium grades are scarce. Roses are more plentiful and some magnificent Richmond, equal to winter grown stock, are to be had. My Maryland of fine quality is also obtainable and Radiance is showing a great improvement. Mrs. Aaron Ward and Mrs. Taft are having a good call and are well liked by the public. Killarney and White Killarney are in good supply and the demand for roses in general this week is a trifle smaller. Orchids are in fair supply and lilies are about equal to the demand. Violets are much improved, but the call for them is as yet not large. Carnations are about equal to the demand and are selling at about the same figures as last week. Lily of the valley can be obtained in excellent quality and some very fine snapdragons are now arriving. Dahlias, cosmos and

gladioli are still to be had in quantity.

NOTES.

A. L. Vaughan of A. L. Vaughan & Co. was operated upon last week for blood poisoning but is on the job now and jokingly says that the trade paper representatives had a narrow escape from writing his obituary for this week's issue. His right hand was badly swollen before the operation and his condition for a time was considered very serious. W. E. Lynch had charge of the store during his absence and filled the bill in fine shape. Wm. Johnson will succeed Max Ringier as buyer.

George Reinberg says that his trip to Iowa last week was a delightful one and did him so much good that he feels like a new man. He adds that the crops out there have been good and that the country is in a very prosperous condition. Mr. Reinberg was unable to take a vacation last year because a cyclone wrecked a portion of his range just as he was making preparations to leave.

At Zech & Mann's store the chrysanthemum season is just beginning and large showy white, pink and yellow blooms are now arriving. The supply of other seasonable stock is of the usual good quality and finds ready buyers.

A. L. Randall is back at the A. L. Randall Co.'s store after spending a few months on his farm in Michigan. C. F. McCormick started out on his first trip for this house this week. Frank Johnson expects Carl Thomas back soon.

J. C. Craig, one of the oldest florists in this city, is still doing a fine business at his store on South Wabash avenue. His four sons, Joseph, Arthur, Herbert and Raymond, assist him with the work.

PERCY

Wholesalers of

CUT FLOWERS and
FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Harry Lubliner, of Lubliner & Trinz, is back around the store after three weeks' illness at the St. Luke's hospital, where he underwent an operation for rupture.

Lee Walz, formerly prominent in the local retail trade, died at Seattle, Wash., October 16. Further particulars will be found in our obituary column.

Hoerber Bros. are coming in crop with roses and chrysanthemums and are now taking care of their customers in fine shape.

Miss Mary Winzler, formerly with Geo. Perdikas, is now with Raske, the Board of Trade Florist.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CHRYSANTHEMUMS

A full crop now on. Can supply all the best varieties. Also

CATTLEYAS--VALLEY--VIOLETS Am. Beauties--Carnations.

CURRENT PRICE LIST

Subject To Change
Without Notice.**AMERICAN BEAUTIES.**

Per Doz.

Long.....	\$3.00
30-inch.....	2.50
24 inch.....	2.00
18 to 20-inch.....	1.50
Short stem.....	per 100, \$4.00 to 8.00
Specials charged for accordingly.	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	
Per 100	
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
Specials charged for accordingly.	
MELODY, long.	
8.00 to 10.00	
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.	
Fancy long.....	
8.00	
Medium.....	6.00
Short.....	4.00
Extra special Roses, charge accordingly.	

LADY HILLINGDON.

Per 100

Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00

RICHMOND.

Fancy.....	8.00
Medium.....	6.00
Good short.....	4.00

KILLARNEY.

Long.....	8.00
Medium.....	6.00
Good short.....	4.00

WHITE KILLARNEY.

Long.....	8.00
Medium.....	6.00
Good short.....	4.00

**CHRYSANTHEMUMS, White, Yellow
and Pink..per doz., \$2.00, \$3.00 and \$4.00****CARNATIONS.....**

Per 100

\$2.00 to \$3.00	
VIOLETS, Princess of Wales.....	
.75c to 1.00	
ORCHIDS, White Dendrobium, doz.	
\$5.00	
CATTLEYAS.....	
per doz., 6.00	
EASTER LILIES.....	
12.00	
VALLEY.....	
\$3.00 to 4.00	
ADIANTUM CROWEANUM.....	
1.00	
MEXICAN IVY.....	
per 1000, \$5.00	
.60	
SMILAX.....	
16.00	
SPRENGER, PLUMOSUS SPRAYS	
3.00 to 4.00	
PLUMOSUS STRINGS, extra long and heavy.....	
each, .50 to .60	
FERNS.....	
per 1,000, 1.50	
GALAX.....	
per 1,000, 1.25	
LEUCOTHOE.....	
per 100, .75	

Florists' Supplies

The business in our Supply Department is booming because we have made quick delivery and filled all orders complete as early as possible.

For Halloween Parties you will want such articles as
Novelty Ribbons, Lacettes,
Corsage Pins, Boxes, Etc. We have them all; send for samples and prices.

For All Saints Day everyone wishes to use something different for grave decoration than what has been used in the past; this year, we have effective (banks) of prepared foliage in colors to harmonize, each in separate boxes, \$1.50 to \$3.00 each, entirely new. Try a few, we know they are sellers.

Capblumens have come to stay as the best substitute for cape flowers, much larger and wired ready for use.

Our new crop of **PREPARED MAGNOLIA LEAVES** are ready to ship, those leaves that are pliable, with smooth surface, in Green and Brown, per Hamper of 1000 Leaves, \$1.50.

Give Us a Trial Order on These Articles.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
48-in. stems.....\$1 00	24-in. stems.....\$2 00
36-in. stems.....3 00	20-in. stems.....1 50
30-in. stems.....2 50	16-in. stems.....1 25
	Short stems.....1 00

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

Fancy.....	\$7.00
Good.....	6.00
Short.....	4.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine, Fancy, 24-inch stems.....\$6.00

Good, 15.....	4.00
Short.....	3.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$3.00
Fancy.....	2.50
Good.....	1.50

Chrysanthemums

Per Dozen	Per Dozen
Extra select.....\$3.00	Fancy.....\$2.00
Select.....2.50	Good.....\$1.00 to 1.50

HARRISII.....10.00 to 12.50

FERNs, per 1000, \$1.50. SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

The Cook County Florists' Association held a meeting at the Tavern, West Washington street, last Thursday, October 17, with President Kohlbrand in the chair. Several applications for membership were read and three new members were elected. H. N. Bruns gave a lengthy and interesting talk on his European trip and the growing industry in Germany. Allie Zech, chairman of the sports and pastime committee, reported that a dance will be given in November but that a suitable hall has not yet been obtained. The committee in charge of securing permanent headquarters for the association reported that nothing definite had yet been done, but that several places were under consideration. A straw vote for the presidency of the United States resulted as follows: Roosevelt an easy first, Wilson next, and Taft third.

Wilder S. Deamud, of the J. B. Deamud Co., who has been a master mason for only eight weeks conferred the first degree on a life long friend of his at Landmark Lodge last Friday, October 18. The J. B. Deamud Co. is still supplying its customers with Mrs. Francis King and Augusta gladioli and the well known wholesaler says that he does not remember the time when his firm has received these flowers so late in the season as it did this year.

J. A. Budlong is in crop with white and yellow Mlle. Clementine Touset chrysanthemums which will be followed shortly by Early Snow and Robt. Halliday. This firm is also cutting a good supply of blooms from a sport of the yellow Touset which originated with them that is similar to the Mrs. Aaron Ward rose in color. Phil Schupp says that it takes well and that no trouble is experienced in disposing of the flowers.

Poehlmann Bros. Co.'s shipments of

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, 'SMILAX,' FERNS and OTHER GREENS are furnished at short notice.

SEND US A TRIAL ORDER.

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

chrysanthemums are arriving in grand style and contain some fine large white, pink and yellow blooms. T. E. Waters, manager of the supply department, is back from a business trip to Memphis, Tenn., and St. Louis, Mo.

Weiland & Risch report that Mrs. Aaron Ward and Taft roses are having the call at their establishment and that it is impossible to fill all the orders for these flowers.

Percy Jones is throwing out all his old office equipment and replacing it with new. The stock that is now arriving here is of fine quality and the proprietor says that some of his growers' flowers won first prizes at the state fair at Springfield.

Canger & Gormley's new store in the Fine Arts Building is completed now. The first floor makes a beautiful show room with the office in the balcony. The basement is being arranged very artistically for a sales room and work room.

Clifford Pruner, formerly with E. H. Hunt, has accepted a position as trav-

eling salesman with the Poehlmann Bros. Co. Mr. Pruner needs no introduction to the trade, for he has called on the florists for a great many years.

The E. F. Winterson Co. is the recipient of a fine grade of chrysanthemums from the Mt. Greenwood cemetery. Mr. Winterson was in Springfield on business this week.

Christ Pedersen is back in the city and has again taken up the management of the Central Florist store for his sister, Mrs. Theo. Kallos, widow of the late Theo. Kallos.

August Jurgens is back from Calumet, Mich., where he directed the planting of two carloads of peonies on the new Jurgens-Pleser plantation.

The E. C. Amling Co.'s growers are shipping in some fine chrysanthemums, in white, pink and yellow, which are having a good call.

Oscar Wiegand writes that he is having a delightful visit in California.

Annie Grace Sawyer will enlarge her store next month.



Flowers
Plants
Florist-
Supplies



Seeds
Bulbs
Poultry-
Supplies



JANSSEN SEED & FLORAL CO.

Seed and Flower Store

408 E. ADAMS STREET



BOTH PHONES 1487

OCT 14 1912

SPRINGFIELD, ILL.,

191

*J. A. Budlong
Chicago, Ill*

Dear Sir:- We received shipments of Roses for State Fair use in good condition, and are pleased to state that we received our share of Primus. In spite of the stock being of a medium grade and having to compete with stock grown especially for this show.

Yours Truly

Janssen Seed and Floral Co

H. F. J.



The above is one of the many testimonial letters that are received from time to time. It speaks for itself. Send us your orders and get the best stock to be had. "Nuff said." Heavy supply of White, Pink and Yellow Chrysanthemums of good quality for All Saints' Day. Also Beauties, Richmond, Maryland, Jardine, Pink Killarney, White Killarney, Prince de Bulgarie and Mrs. Aaron Ward Roses. Try our White and Yellow Touset Chrysanthemums. They are sure to give satisfaction.

**All Saints' Day
Orders Now
Being Booked.**

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

RICHMOND,

Killarney, White Killarney, My Maryland and Sunrise Roses. Also Carnations, Chrysanthemums and Greens.

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.	Per 100
Extra long stems.....		\$3 00	
36 inch stems.....		2 50	
30 inch stems.....		2 00	
24 inch stems.....		1 50	
20 inch stems.....		1 25	
15 inch stems.....		1 00	
12 inch stems.....		75	
Short Beauties		50	
Richmond			Per 100
Killarney	Short	4 00	
White Killarney	Select	\$8 00	
My Maryland....	Medium	\$5 00 to 6 00	
Mrs. Aaron Ward		Select	\$8 00
		Medium	6 00
		Short	\$4 00 to 5 00
Sunrise.....		Select	\$6 00
		Medium	5 00
		Short	4 00
Roses, our selection.....			3 00
Carnations		2 00 to 3 00	
Chrysanthemums		per dozen 2 00 to 3 00	
Chrysanthemums, extra select, per dozen ..		4 00	
Harrisii		per dozen 1 50 to 2 00	
Valley		3 00 to 4 00	
Adiantum			1 00
Asparagus, per bunch.....			50
Ferns, per 1,000		1 50 to 2 00	

George Perdikas' store on South Wabash avenue is a beauty since it has been remodeled. A balcony was built in the rear and the interior is finished in white and green tile. The large show window was very attractive on the evening of October 19, when it was artistically arranged with orchids, roses and other seasonal stock. A large vase of fancy American Beauty roses, grown by George Reinberg, occupied the most prominent place in the display and was greatly admired by the public.

R. A. McKeand, head gardener at the National Military Home, Marion, Ind., was called to this city this week by the serious illness of his brother. Mr. McKeand visited the local parks during his stay here and was very favorably impressed with his inspection. He has been a regular subscriber to THE AMERICAN FLORIST since 1892 and has read every issue since then.

Bassett & Washburn are having an unusually heavy demand for their Sunburst roses, but this is not at all surprising after one sees the stock, for this rose is certainly sold at its best at this store and commands the highest prices. American Beauty roses are in good supply here and the quality is nearly equal to that of the Sunburst.

J. F. Kidwell says that the attendance at the last meeting of the stockholders of the Chicago Flower Growers' Association on October 16 was the largest since the society was organized. The first quarterly report for the second year was read and showed a great increase in the volume of business done.

Erne & Klingel have added another rose grower to their list and are now receiving regular shipments of choice American Beauty roses. The proprietors are building up a fine busi-

ness and are now handling a complete line of seasonable cut flowers and greens.

Peter Reinberg's cuts of Richmond roses are large and the quality of the stock is of the first grade. Tim Mat-chen has never seen such fine stock grown at the Reinberg establishment before and points with pride to the perfect buds, luxuriant foliage and fine stems.

A. T. Pyfer says that the Chicago Carnation Co. is booking some large orders for their new carnation "The Herald" for delivery next January. The Herald is a scarlet carnation, a free and continuous bloomer and it is said that the calyx never bursts.

A. Chronis, of Johnson & Chronis, says that his partner will leave next week for Greece to assist his country in its war with Turkey. According to Mr. Chronis, Greece will have Turkey before Thanksgiving day.

Dwight L. Harris says that the Pulverized Manure Co. is doing a splendid business and has 3,000 tons of prepared manure ready to ship.

Chas. W. McKellar says that orchids are moving well, especially Cattleya labiata and that his supply is about equal to the demand.

A. M. Pekarek, proprietor of the California Floral Co., 3402 West Twenty-sixth street, is enlarging his store.

Kyle & Foerster had some good shipments of fine American Beauty roses this week.

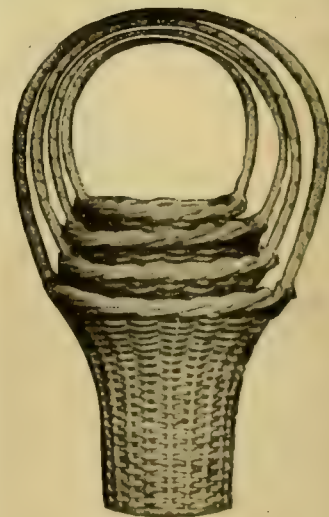
Max Ringer, recently with A. L. Vaughan & Co., is now with the Ken-nicott Bros. Co.

Frank Kral is the proud owner of a new 30 horsepower Overland delivery car.

F. J. Olsan of Ames, Ia., was in the city on business October 22.

August Poehlmann scored 43 Oc-tober 21.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

'MUMS

White--Pink--Yellow

of good quality
in large quantities

VIOLETS

Single--Double

Regular shipments of
exceptionally fine stock

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, Single, double.....	.75	.50					
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprenger Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

FANCY SHOW 'MUMS

in Bronze, Yellow, Pink and White, \$4.00 to \$5.00 per doz.

Cattleyas.....\$4.00 to \$5.00 per doz.

Double Violets, home

grown, fancy......75 to 1.00 per 100.

Valley, fancy..... \$ 4.00 per 100.

Longiflorum Lilies \$12.00 to 15.00 "

Boxwood, Wild Smilax, Mexican Ivy.

For all other stock see Weekly Current Price List.

A. L. VAUGHAN & CO.,

161 N. Wabash Ave.,

(NOT INC.)

PHONES Central 2571-2572
Automatic 48-734

CHICAGO

N. J. Wietor says that the stock in Wietor Bros.' greenhouses was never in better condition and that everything is looking fine for Thanksgiving and Christmas. His firm is now cutting some fine My Maryland roses and a good supply of chrysanthemums.

John Kruchten is having trouble in filling his gardenia orders for the demand is very brisk and his growers' crops are off at present. John's father is sending in some fine chrysanthemums daily.

H. L. Keun, the Wentworth avenue florist, is shipping a fine grade of dahlias of the cactus variety to Erne & Klingel.

Guy Reyburn and A. Miller, with A. Henderson & Co., are in the city and will remain until after the holidays.

Peter Weiler says that the Superior Machine & Boiler Works is winding up a very successful season.

Nicholas Kruchten, Jr., celebrated his second wedding anniversary last Sunday, October 20.

Some of the wholesale florists held a meeting last week for the purpose of regulating credits.

An eastern supply house is seriously thinking of opening up a branch store in this city.

Visitors: A. M. York, Hancock, Mich.; F. L. Tornquist, Benton Harbor, Mich.; H. G. Evans, Louisville, Ky.; F. J. Olsan, Ames, Ia.; Martin Reaukauf, representing H. Bayersdorfer & Co., Philadelphia, Pa.; C. Weaver, Paw Paw; A. Zirkman, representing M. Rice & Co., Philadelphia, Pa.

MONTREAL, QUE.—The Montreal Gardeners and Florists' Club will hold an exhibition November 4. Awards will be made for both plants and cut blooms.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

	Won	Lost		Won	Lost
Roses	9	6	Carnations ..	7	8
Violets	8	7	Orchids	6	9

Individual and team scores for games played October 16:

Roses.			Carnations.		
Goerisch ..	139	161	186	Lorman ..	121
Kreutz ..	132	143	106	Lieb'm ..	167
Price ..	172	200	135	Armstr'ng	123
Byers ..	177	160	148	Brunke ..	127
Fischer ..	201	201	185	A. Zech ..	158
Totals ..	821	861	754	Totals ..	695
Violets.			Orchids.		
Huebner ..	141	116	116	J. Zech ..	139
Jacobs ..	130	161	151	Vilster ..	110
Cole ..	168	118	162	Cohn	78
Schultz ..	151	132	133	George ..	119
J. Hueb'r	178	192	176	Ross	96
Totals ..	776	719	738	Totals ..	562

Chrysanthemums

Roses, Carnations, Valley,

Violets, Lilies and all other **Seasonable Stock** of good quality in large quantities. Our **White, Pink and Yellow Chrysanthemums** are fine, and we can supply them in all grades and at the right prices. Also a full line of **Greens**. You cannot get any better stock elsewhere, so you may as well give us your order now—**TODAY**.

ZECH & MANN,

Wholesale Florists,
Long Distance Phone, Central 3284,
162 N. Wabash Ave.

Chicago

Pittsburg.

CHRYSANTHEMUMS AFFECT MARKET.

While chrysanthemums are not as plentiful as in other years, yet their influence is easily seen with the other flowers, especially so with carnations and American Beauties. Both of these flowers have been in great demand until last week, but now they are to be had at very low figures. Violets arrive daily and the quality is good. Eastern dahlias still arrive in quantity but move slowly.

NOTES.

H. D. Rohrer, the well-known carnation grower of Lancaster, Pa., was a caller Friday, looking over some of the territory in which his output is sold. Mr. Rohrer is pretty well up in age, but looks as spry as the best of us.

A. T. Lorch, the carnation specialist of Allison Park, has made arrangements with the McCallum Co. to handle his cut of carnations this season, which he expects to run close to a million blooms.

Edward and George McCallum are back at work, and although both feel a little stiff are none the worse after their experience of being bumped around and run over by an automobile.

Mrs. E. A. Williams, who always uses dahlias with good effect in her window displays, makes good use of them this year, using only the selected varieties that grow in New Jersey.

R. J. Daschbach has secured several weddings for November, which he expects to keep him busy. Noal Allridge is now in charge of the greenhouses of this firm.

Blind Bros. are cutting a big crop of lilies and pink roses and make such large and effective store displays with them that they keep the lights turned on all night.

Michael Blaha has been cutting some fine chrysanthemums at his place in Aspinwall, disposing of the most of them at his stand in the Diamond market.

Peter Harris expects to leave for Greece during the week to take his place at the front. Several more of the Greek boys expect to follow soon.

Sunburst roses are received daily by the McCallum Co. but are quickly picked up, as this is the most satisfactory yellow rose on the market.

Karl Klinke, who formerly conducted a flower store in the Jenkins Arcade, is now connected with the E. C. Ludwig Floral Co.

The Zieger Co. has opened a branch store on Penn avenue near Highland. M.

Cleveland.

BUSINESS VERY GOOD.

Business the last week has been all that could be desired. Stock of all kinds was quite plentiful and of good quality and the demand exceptionally good. Dahlias are about done for, but are coming in less plentifully, but cosmos in all colors is still in its glory. Chrysanthemums are beginning to crowd other favorites, some very fine Virginia Poehlmann and Halliday arriving daily but in limited quantities. Smaller varieties are quite plentiful and sell at very low prices. Roses of all grades and varieties are in good supply and condition. Aaron Wards and American Beauties are most in demand. Orchids and valley were in very good demand the past week and not enough good stock was obtainable to fill orders. Carnations clean up daily, some very good long stemmed stock arriving, but the largest number are short and medium stemmed. Swainsonia is in good demand but scarce. Easter and calla lilies fall short of a good demand.

NOTES.

The Jones & Russell Co. entertained about fifty fellow florists in their spacious basement, which was very artistically decorated with southern smilax and pink rambler roses. There was plenty to eat and drink and smoke, besides lots of chewing gum, which is manufactured by a company of which Mr. Jones is president. The after dinner speeches by florists from this city and out of town kept the guests in a happy frame of mind. Cards followed the banquet. On Monday the Jones & Russell Co. entertained the Rotary Club of 125 members.

The charity ball on Friday at the new Hotel Statler was by far the greatest society event of the year and large quantities of flowers and plants were used in the decorations. Incidentally \$5,000.00 was cleared for the babies' dispensary.

C. F. E.

Cincinnati.

MARKET OVERSUPPLIED.

Business the past week was, at the best, only fair. The demand was far below the supply, which is far too large in every line for the needs of the market. Chrysanthemums are coming in stronger each day and are only adding to the crowded condition. A killing frost seems to be about the only thing that will offer immediate relief. The rose and carnation lines are complete in every way. Large quantities of each are coming in and most all is of good quality. In roses only the longest stemmed sell well. The short stock has a hard time finding a market. This condition is reversed in American Beauties, where the shorter are selling better than the longer ones. The chrysanthemums are good and include practically all sizes in white, pink and yellow. Easter lilies find a fairly good market. Other offerings include lily of the valley, violets, orchids and sweet peas. The cosmos and dahlia markets are still glutted.

NOTES.

Arthur Becker of the Avondale Floral Co. had a mishap recently. A machine in which he was riding was disabled by the breaking of the rear axle on the road near Batavia, Ohio.

C. E. Critchell continues to ship large quantities of fern. The demand for this stock at his place has kept up steadily.

Fred Rupp of Lawrenceburg was in town on Monday on one of his purchasing trips.

H.

Nichols Goes to War.

Peter Nichols, well-to-do proprietor of a number of flower stands and other businesses in Cleveland, O., is reported to be doing service for his country in the ranks of the Greek army. Mr. Nichols went to Greece several weeks ago to bring his family back to this country, but war was declared while he was in his native land.

BUFFALO, N. Y.—Acting on the recommendation of Park Commissioner Wm. F. Kasting and City Florist Harry B. Filer, the local park board has bought a farm to be used as a tree nursery.

ROSES

A Good Supply of All the Leading Varieties, in all lengths of stems and at prices that are right.

BEAUTIES

Large heads of fine color on good stems, well laden with luxuriant foliage.

CARNATIONS

Red, White and Pink. Big supply of first grade stock. None better to be had.

'MUMS GREENS

Plenty of both and of such good quality that they are deserving of a trial order. The time is now.

ERNE & KLINGEL

30 E. Randolph Street,

L. D. Phone,
Randolph 6578.
Auto. 41-716.

CHICAGO

CURRENT PRICE LIST.

AMERICAN BEAUTIES.		Per doz.
36 to 48-inch.....		\$ 4 00
24 to 30 inch.....	\$2 50 @	3 00
18 to 24-inch.....		2 00
12 to 15-inch.....	1 00 @	1 50

ROSES.		Per 100
Richmonds.....	\$4 00 @	\$ 8 00
Killarney, white, pink.....	4 00 @	8 00
My Maryland.....	4 00 @	8 00
Mrs. Taft.....	4 00 @	8 00
Sunburst.....	4 00 @	8 00
Roses, our selection.....		3 00
Extra long, fancy.....		10 00

MISCELLANEOUS.		
Carnations, common.....	\$1 00 @	\$ 1 50
fancy.....	2 00 @	3 00
Mums.....	1 50 @	3 00
Orchids..... per doz., \$6 00 @		\$ 7 50
Easter Lilies.....		12 50
Violets.....	.75 @	1 00
Valley.....	3 00 @	4 00
Adiantum.....	.75 @	1 00
Asparagus Strings..... each, 60c @		75c
Bunches.....	25c @	50c
Boxwood..... Per bunch.....		25c
Sprengeri Bunches..... each, 25c @		50c
Smilax..... per doz., \$1 50 @		\$ 2 00
Galax green..... per 1000, 1 00		
bronze.....	1 25	
Ferns.....	2 00	.20
Mexican Ivy.....	6 00	.75
Wild Smilax..... per case, 5 00		

Subject to change without notice. Store open 7 a. m. to 6 p. m. Sundays and holidays close at noon.

St. Louis.

TRADE HAS SLIGHT INCREASE.

The weather has cooled off some and trade has slightly picked up. The horse show this week is expected to boost the sale of American Beauty roses and large, fancy chrysanthemums. The weather has been entirely too warm to further the sale of violets, which are still small and of poor keeping qualities. Carnations are bringing a fair price. Chrysanthemums are increasing, good varieties bringing good prices. Roses are very plentiful and are suffering from the entry of chrysanthemums. Greens of all kinds are selling well. Quite a supply of dahlias and cosmos are in. Cosmos sales especially are limited, many going to the dump.

NOTES.

Mrs. Diemer of the Diemer Floral Co. has remodeled her store and it presents a beautiful appearance. It is well supplied with the choicest of cut flowers and plants and a fine supply of metal. Miss A. B. Falkenhamer, Mrs. Diemer's sister, acts as her secretary. They have an immense trade in funeral work.

Foster, the florist, held his fall opening last Friday and Saturday. The reception lasted from 2 p. m. to 10 p. m.

Miss Matilda Naldman is building up a good business in her locality. She has an immense trade in plants.

W. J. and M. S. Vesey are shipping some very choice chrysanthemums to G. H. Angermueller.

E. G. Hill of Richmond, Ind., is shipping some very choice chrysanthemums to H. G. Berning.

C. A. Kuehn is getting some fine lily of the valley, chrysanthemums and dahlias.

The W. C. Smith Wholesale Floral Co. is receiving some good carnations. The Oakland Floral Co. is bringing some choice stock to C. A. Kuehn.

James Morton of the Florists' Exchange was a visitor.

H. Young & Son are doing a nice trade.

W. F.

Montreal.

FLORISTS ALL BUSY.

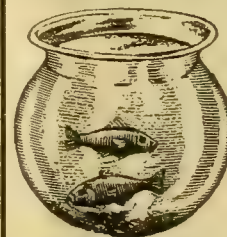
All the florists say they are very busy and it certainly is the case, judging by the amount of chrysanthemums alone. There are more grown locally than ever before and also more imported. The quality is at least as good as at other times, and there are no culls. Some of the growers are already sold out of ferns and filling their houses with shamrock, of which there ought to be an abundance for next St. Patrick's day. Roses have to struggle hard these dark days to produce good flowers and we still hope for the rain to stop long enough to allow the sun to brighten our houses.

CLUB MEETING.

The Montreal Gardeners & Florists' Club last Monday night at the monthly meeting decided to celebrate the twenty-fifth anniversary on November 29. This is the exact date of the founding of the club. It was thought most appropriate to celebrate with a grand banquet in one of the best hotels of the city and invite all the members and ex-members to be present. The details are left in the hands of the executive committee. The secretary read a letter from the New York florists' club asking the local organization to join in the publicity campaign, and appointing a committee to take up the matter. This was also left in the hands of the executive committee.

GOLDFISH

"Something Alive in the Window"



Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog.

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street, CHICAGO

We expect to hear shortly of the good work these committees do and hope that the trade derives the benefit of their labors. Hall & Robinson exhibited a vase of Golden Glow chrysanthemums and J. Luck two pots of Achemenis. Both were awarded a cultural certificate. Joseph Gordon was elected a member. F. Harris was proposed.

NOTES.

The Davy Tree Expert Co. is working on the shade trees around the private estates here. Five men under foreman McClenahan are busy saving the lives of the trees on the large grounds of C. B. Gordon. They are doing some wonderful work.

Hall & Robinson found it necessary to deliver on Sunday, having to turn out to finish up some large orders. Wm. C. Hall has bought an acre of land at Montreal, West.

Maurice Wolf has opened a store in St. Catherine street.

Harris and Hopton's new houses are all completed.

L.

"The Busiest House in Chicago."

MUMS

Extra large White, Pink and Yellow Blooms of the finest possible quality in large quantities. Also single and double Violets, Roses, Gladoli, Carnations, Cosmos, Valley, Lilies and Greens. :: :: :: :: ::

J. B. DEAMUD CO.,

Phones: L. D. Central 3155
Automatic 44-389

160 N. Wabash Ave., CHICAGO.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Boston.

MARKET UNSTABLE.

There is a see-saw movement this week, although Saturday was good compared with the conditions we have passed through. Chrysanthemums are in full sway and roses are not doing well. Madame Russell still holds herself in the limelight, and the brighter the light the more dazzling she appears. Everything else is plentiful.

NOTES.

The stockholders of the Co-operative Flower Market will hold their annual meeting at the American House Saturday, October 26. On the same date the stockholders of the Boston Flower Exchange will hold their annual meeting at the Quincy House at 8 o'clock p. m. Reception, 6 p. m.; dinner, 6:30.

John McFarland had the first yellow Bonnaffon chrysanthemums on the market and they were good ones.

Visitor: A. Currie, Wilwaukee, Wis.

Philadelphia Notes.

The October meeting of the Pennsylvania Horticultural Society on Tuesday, October 6, was fairly well attended. Generally in connection with this meeting there has been a fine display of cosmos for the Michell prizes, but this season not a vase was seen. The only exhibits were several vases of very fine chrysanthemum blooms. Chrysolora, staged by Countess Eulalia, were magnificent flowers, as were Beatrice May, from Mrs. Elleson, Morton F. Plant, David Simes, Beatrice May and Kate Broodhead were varieties exhibited by Thos. Hunter.

Frank P. Gaul will open about November 1 a retail cut flower store at 17 South Thirteenth street which will be known as Gaul's Flower Room. This location is in the heart of the shopping district, across Thirteenth street from Wanamaker's and one of the best in the city for transient trade. Mr. Gaul is well known to the trade

as a former manager of the Century Shop and also Thorn Hedge Nurseries. He has the best wishes of the trade in his new venture.

A special meeting of the committees appointed by the Florists' Club and the Horticultural Society reported considerable success in getting financial support for the purpose of decorating the hall on the occasion of the fall exhibition early in November. A well-decorated hall to provide an artistic setting for the exhibits adds very much to the appearance and success of the exhibition. Let everybody help in this good cause.

Godfrey Aschmann is a believer in poetry and writes some stuff that is not half bad. He is a progressive, too, by the way, always on the job, looking for others who are pushing, hustling fellows who, like himself, want to keep things running and help their trade by handling his stock.

M. Rice & Co. are having a great run on their iridescent or vari-colored baskets. Everything about this work is original—modeled, made and colored in their own workshops. A very large shipment of Italian wheat was received the past week.

Choice valley and American Beauties are features at Edward Reid's busy Ranstead street establishment. Business he reports is very good for the season. Stewart Miller has returned from his trip and is hustling as usual.

The Jos. Heacock Co. is cutting from both their larger houses at Roelofs. With twice the quantity of roses of last season they are in a position to fill very large orders at any time.

John Ruppert, the well-known salesman of the H. A. Dreer Co., reports a great demand for the new glory fern, the hardy Farleyense. He predicts a great future for this novelty.

The Ferncroft Nurseries of Moorestown, N. J., are cutting from 30,000 to 40,000 valley each week. Their im-

portation for this season's forcing was over 2,500,000 pips.

Henry Penn of Boston and Ferdinand Fleischman of New York visited Bayersdorfer's supply house last week and were surprised at the large and varied stock.

The Leo Niessen Co. is very strong on chrysanthemums, handling immense quantities of the seasonable varieties. American Beauties are also a feature.

Berger Bros.' central market finds a good sale for their Richmond roses. Quantities of chrysanthemums are turned over every day. K.

Urbana-Champaign, Ill.

BUSINESS INCREASES.

Since the opening of the university, business in the two towns has increased fifty per cent. This is especially true of cutflower sales, as large quantities are used at dances and banquets given by the various student organizations. Although there is more competition than ever before, our florists report an increase rather than a decrease in the amount of business done. This sounds encouraging as the social season is by no means at its height at this time.

NOTES.

Gus. Johnson has announced to the public that he will do business at his old stand for five years to come, as he has renewed his lease for that length of time. He has made a number of improvements in his store building which will no doubt be of great assistance in handling orders. Mr. Johnson's stock is in excellent condition. At present he is cutting a number of early chrysanthemums for which a ready market is found. He has placed an attractive chrysanthemum advertisement in all the street cars operating in the two towns.

The sons of a number of florists from different parts of the country are registered in Floriculture and Land-

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones: Randolph 4708—Office.
Rogers Park 227—Nursery.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



scape Gardening at the University. Among them are: R. F. Cushman, Sylvania, Ohio; M. R. Bebb and Forrest Bebb of Muskogee, Okla.; Henry Klehm, Arlington Heights, Ill.; John Breitmeyer, Mt. Clemens, Mich.; August Hecht, Wellston, Mo.; G. L. Schaffer, Lake Forest, Ill. and H. S. Mueller, Wichita, Kans.

Wilhelm Miller, editor of Country Life in America, was a guest of Professor J. C. Blair for several days last week. Mr. Miller was very much impressed with the landscape of the prairies. He believes that in home building and in landscape gardening the straight lines of the prairies should be followed.

The advisory committees of the various departments in the College of Agriculture will have a joint meeting October 18. A. H. N.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Oct. 23.	Per doz.
Roses, Beauty, specials.....	3 00@ 4 00
" " 36-in.....	2 50
" " 30-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	Per 100
" Killarney.....	4 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Kaiserin Augusta Victoria.....	3 00@ 8 00
" Lady Hillington.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	2 00@ 4 00
Cattleyas.....	per doz., 6 00
Chrysanthemums doz.....	2 00@ 4 00
Orchids Dendrobium, per doz.....	5 00
Gardenias.....	1 50@ 2 00
Gladioli.....	1 50@ 4 00
Valley.....	2 00@ 4 00
Lilium Harrisii.....	12 00
Violets, Princess of Wales.....	75@ 1 00
Adiantum Croweanum.....	1 00
Ferns.....	per 1000, 1 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....	per 1000, 5 00
Plumous Strings, each.....	50@ 60
Smilax.....	per doz., 1 50@ 2 00
Sprenger, Plumous Sprays.....	3 00@ 4 00

HOERBER BROS.

Wholesale Cut Flowers
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale CUT FLOWERS
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses, Red, White and Pink Carna-
tions, Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Philadelphia.

OUTSIDE STOCK STILL PLENTIFUL.

After a cool spell with frost, which
trimmed the dahlias in some of the
low places, the weather moderated and
the market is still full of all sorts of
outside stock. Dahlias are not quite
so plentiful but they are quite suffi-
cient for the demand. Cosmos is ev-
erywhere. Outside chrysanthemums
are seen in large quantities and meet
with ready sale, particularly the good
pompons. The newer roses, Taft,
Ward, Hillingdon and Sunburst, are
growing better as the season advances,
and are looking up as strong rivals
to the Killarneys. The light pink of
the Taft and the orange shades of the
others are worked up into great com-
binations in the baskets and bunches
for the debutantes whose coming-out
parties are now creating quite a de-
mand for the best to be found in the
market. Snapdragon is to be one of
the standard flowers, some very good
stock being seen. The new orange
shades are especially fetching. Vio-
lets are seen in quantity; the singles
are getting quite presentable. New
York is sending Marie Louise of splen-
did quality. Chrysanthemums are now
having their innings; all the early
sorts, Polly Rose, Pacific Supreme,
Halliday, Crema, Kalb and Early Snow,
are to be had in quantity and appear
to sell up very well. In fact, last Sat-
urday all kinds of yellow were scarce
and before night none of this color
were to be had. Cattleyas are about
equal to the demand, as are gardenias.
Easter lilies are a bit draggy, coming
in competition with so much else.
Carnations are waiting, not being
pushed and there being more than
enough for the demand.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Mil-
waukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Oct. 23.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
" first.....	8 00@16 00	
" Brides and Maids.....	4 00@10 00	
" Killarney.....	3 00@10 00	
" White Killarney.....	3 00@10 00	
" Liberty.....	3 00@10 00	
Cattleyas.....	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Dahlias.....	2 00@4 00	
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@5 00	
Marguerites.....	75@1 00	
Snapdragons.....	3 00@6 00	
Sweet Peas.....	40@ 50	
Adiantum.....	75@1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Oct. 23.		Per 100
Roses, Beauty, special.....	25 00	
" extra.....	12 00@20 00	
" No. 1.....	6 00@10 00	
" Killarney.....	2 00@6 00	
" My Maryland.....	2 00@6 00	
" Richmond.....	2 00@4 00	
Asters.....	1 00@4 00	
Cattleyas.....	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli.....	2 00@4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@4 00	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, Oct. 23.		Per 100
Roses, Beauty, per doz., 75@3 00		
" Killarney.....	3 00@8 00	
" Richmond.....	3 00@8 00	
" White Killarney.....	3 00@8 00	
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@10 00	
Carnations.....	2 00@3 00	
Chrysanthemums, white and yel- low..... per doz., 1 50@3 00		
'Mums, Pompons..... per bunch, 50		
Lilium Giganteum..... per doz., 1 75		
Lily of the Valley.....	3 00@4 00	
Violets.....	1 00	
" Single.....	1 50	
Adiantum.....	1 50	
Asparagus..... per string, 50		
" Sprengeri, per bunch, 25@ 35		
Ferns, Fancy..... per 1000, 1 50		
Oak Sprays, prepared.....	1 00	

ST. PAUL, MINN.—A. Wallace has
taken out a permit to build a green-
house on Montreal street.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale
Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

FRESH CUT VALLEY

Choice Quality

Received Every Day

Your Orders Solicited

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Beauties.

\$1.00-4.00 per dozen. Splendid flowers and a dependable supply. We will be extra strong on Beauties during the entire season.

Cattleyas.

\$6.00 per dozen. Packed with unusual care, every flower will reach you in good condition.

Gardenias.

\$2.00-\$3.00 per dozen. A fresh supply every morning. The best you will find anywhere.

THE LEO NIESSEN CO.,Wholesale Florists,
N. W. Cor. 12th and Race Sts.,**Philadelphia, Pa.****EASTER LILIES**

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

MONTREAL FLORAL EXCHANGE, LTD.

Frank McKenna, Pres.

Wm. Cotter, Mgr.

CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION

furnished at short notice. Consignments solicited.

Canadian Grown Flowers a Specialty.

Strictly Wholesale.

Best of references.

123 Mansfield Street,

MONTREAL, P. Q.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.

American Beauty, Valley, Carnations,
Killarney, Richmond, Maryland, and
other seasonable stock. :: :: ::

Wholesale Flower Markets

	BUFFALO, Oct. 23.	Per 100
Roses, Beauty, special	20 00@25 00	
" " fancy	15 00@20 00	
" " extra	12 00@15 00	
" " No. 1	6 00@10 00	
" " No. 2	2 00@4 00	
Maid and Bride	3 00@6 00	
Pink Killarney	3 00@6 00	
White Killarney	3 00@6 00	
Richmond	3 00@8 00	
My Maryland	3 00@6 00	
Kaiserin	3 00@8 00	
Carnot	3 00@7 00	
Carnations	1 00@2 50	
Chrysanthemums, white	8 00@20 00	
" " yellow	8 00@15 00	
" " pompons, per bunch	35@ 50	
Dahlias	1 00@2 00	
Lilium Longiflorum	8 00@12 00	
Lily of the Valley	3 00@4 00	
Pink Japan Lily	3 00@4 00	
Swainsona	50@ 1 00	
Violets	50@ 60	
Adiantum Croweanum	75@ 1 50	
Asparagus, per bunch	35@ 50	
Asparagus, Sprenger	35@ 50	
Ferns, per 1000	\$1 50	
Galax, per 1000	\$1 50	
Smilax	15 00	

	BOSTON, Oct. 23.	Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@20 00	
" " culls	2 00@4 00	
" " White and Pink Killarney	1 00@6 00	
" " Extra	4 00@8 00	
" " Taft	2 00@12 00	
" " Cardinal	4 00@12 00	
" " Ward and Hillingdon	9 00@12 00	
" " Killarney and Richmond	2 00@8 00	
" " My Maryland	2 00@8 00	
" " Carnot	6 00@8 00	
Carnations, select	1 50@3 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@16 00	
Gardenias	12 00@16 00	
Lilium Longiflorum	8 00@12 00	
Lily of the Valley	2 00@4 00	
Sweet Peas	50@ 1 00	
Smilax	12 00@16 00	

	CINCINNATI, Oct. 23.	Per 100
Roses, Beauty	per doz., 50@ 3 00	
" " Bride, Bridesmaid	2 00@8 00	
" " Killarney	2 00@8 00	
" " My Maryland	2 00@8 00	
" " Perle	2 00@8 00	
" " Richmond	2 00@8 00	
" " Taft	2 00@8 00	
Chrysanthemums, doz.	1 00@3 00	
Carnations	2 00@3 00	
Lilium Giganteum	12 50	
Lily of the Valley	3 00@4 00	
Orchids	per doz., 6 00	
Sweet Peas	50	
Violets	1 00	
Adiantum	25	
Asparagus Plumosus	per bunch, 25	
Asparagus Sprenger	per bunch, 25	



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.**EVERYTHING
SEASONABLE****THE McCALLUM CO.,** Cleveland, Ohio
Pittsburg, Pa.

	St. Louis, Oct. 23.	Per 100.
Roses, Beauty, medium	8 00@15 00	
Roses, Beauty, short stems	3 00@6 00	
" " Killarney	2 00@4 00	
" " My Maryland	3 00@5 00	
" " White Killarney	2 00@6 00	
Chrysanthemums, small	6 00@10 00	
" " large	15 00@25 00	
Easter Lilies	10 00	
Lilium Rubrum	5 00@6 00	
Valley	4 00	
Asparagus Sprenger	2 00@3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New. Fancy	1 50	

ST. PAUL, MINN.—The park board has passed a resolution asking the city to include \$125,000 in next year's park budget. New greenhouses at Como Park are designed.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. **L. P. WALZ, Mgr****Charles H. Totty**

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

**Pittsburgh Cut Flower
Company**

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

ALL STOCK OVER ABUNDANT.

It would hardly be possible to have conditions much worse than they are at present in the wholesale market. Stock of all kinds is over abundant. Chrysanthemums, which are about a week or ten days earlier than usual, are accumulating. The quality of most of these is very good, but the prices obtained are much lower than at previous seasons. Carnations, too, of very fine quality are now in over-supply. The same condition exists with orchids and gardenias. Violets, while plentiful, are not of good quality and meet with only a very irregular demand. Prices on roses are much lower and even the best of these move slowly. Beauties are selling as well as any of them. Some of the top specials of Sunburst are doing well, but as a general thing the rose market is extremely unsatisfactory. Lilies have dropped to a little more than one-half of former quotations, and are not being cleared out even at these low prices. Lily of the valley is doing as well as anything. In greens the asparagus fronds tied in bunches is much called for, but there is very little sale for smilax and ferns. Outdoor grown flowers are still overstocking the market. The quality of cosmos and dahlias has never been better than at present.

New York, Monday noon, October 21.—Weather clear and fine. While there is some of the usual Monday activity the business as a whole is disappointing.

NOTES.

Speaking of the keeping qualities of the new sensational pink rose Mrs. George Sawyer, which will be sent out by Charles H. Totty, part of the exhibit made at the club meeting Monday night were displayed in the window of Henshaw & Fenwick all the week and on the Saturday following were still in splendid condition.

The next meeting of the New York Florists' Club will be held on Monday evening, November 11, and will be known as "chrysanthemum night." Growers are invited to send any novelties or seedlings that they may have in condition at that time, and they will be passed upon by the award committee.

Charles R. Felton, son of R. F. Felton, the King's Florist, London, England, made a very interesting address at the last meeting of the Florists' Club October 4. Mr. Felton was on his way to New Orleans, where he will join the forces of Harry Papworth.

At the meeting of the stockholders of the Growers' Cut Flower Co., Saturday, October 12, the following officers were elected: President, Henry Weston; Vice President, Jacob Bracker; Secretary, C. F. Bertanzel; Treasurer, J. H. Rogers; Manager, J. J. Coan.

At the northwest corner of Madison avenue and Forty-seventh street the Briarcliff Flower Shop will be opened on November 1. The announcement reads: "New York headquarters for the famous Briarcliff roses. Walter T. Kennedy, manager."

Hitchings & Co. have on exhibition in the electrical show at the Grand Central Palace a greenhouse heated by electricity. It does not look as if this method of heating will be very quickly adopted by the large growers.

"Ollie" Coomes, Jr., of Jamaica, L. I., has taken over the eight greenhouses of John Lewis Childs at Floral Park, L. I., and will use them for growing plants to supply his retail stores.

There are no better roses on the market than those received by Moore, Hentz & Nash from the Bedford Flower Co. All of the varieties grown

MILADY

Is Coming Out!

We shall disseminate in March the new red forcing Rose "MILADY." Look for it at the fall shows! We believe this variety means commercial, profitable red roses. It has color, size, substance fragrance and productiveness.

We invite you to visit our place and see it growing.

A. N. PIERSON, Inc.,
CROMWELL, CONN.

at this place are in magnificent condition.

The New York and New Jersey Plant Growers' Association made their usual Long Island inspection trip Thursday, October 17. It is impossible to get particulars of the trip at this date.

J. B. Nugent, Jr., is well pleased with the work his committee is doing towards correcting the difficulty of getting receipts for flowers sent to the outgoing steamships.

"Ramapo," the magnificent yellow chrysanthemum which is being sent in by Charles A. Totty, is much sought after. It is a much improved early Col. Appleton.

The asparagus plumosus which E. Smith of Woodside is sending to Philip F. Kessler is very fine and sells at sight.

The sales of plants by the Plant & Flower Auction Co. has fallen off in sympathy with the rest of the market.

The "Rosary" now has a new White motor delivery car. It is one of the most attractive in the "Street."

Paul Meconi is receiving very fine cattleyas and gardenias from Thomas Young, Jr., Bound Brook, N. J.

Y.

Rochester, N. Y.

BUSINESS SLACK.

The weather has been ideal for this last two weeks with an occasional frost or two, which just about killed most of the outdoor blossoming flowers. Business is very slack. The indoor stock is very good indeed. The cut of roses is good. My Maryland, Pink and White Killarney, Madame Taft, Brides and Bridesmaids are all good and of good color. Richmonds do not sell very fast, but there is a steady demand for American Beauties. Violets are larger and better and retail at \$1 a 100. Lily of the valley is none too plentiful. Easter lilies are getting scarce. Chrysanthemums are fine. Their prices retail anywhere from \$2 to \$6 a dozen. Carnations are getting better each week and the price is moving up steadily. Orchids are moving somewhat faster. About the only blossoming plants now selling are Lorraine begonias and primulas. The trade in asparagus and adiantum is quite good.

NOTES.

Dr. Charles S. Sargent has returned to Boston after a few days well spent among the trees and shrubs in and about this city. Dr. Sargent devoted much of his time to the hickories and

hawthorns and has made several valuable finds. The most important of these he considers is a new hybrid-hickory. This tree is a cross between the bitter-nut hickory and the shagbark. The nut is of unusual size, being nearly 1½ inches in length, and has the thin shell of the bitter-nut with a meat that is exceptionally rich and sweet in flavor. Dr. Sargent has taken back with him to the Arnold Arboretum a supply of the nuts, and grafts from the tree will be made.

The monthly meeting of the Rochester Florists' Association was held Monday, October 14. Vice President T. Ogston acted as chairman in the absence of President Dunbar. Professor Stockton of the University of Rochester spoke on "The American National Banking Association and the National Reserve Association." Joseph T. Murray explained the workings of the two money systems. The committees reported that the flower show would be November 5-9.

The ladies of the Florists' Association met at the home of Mrs. Chas. Suhr on Avenue D last week for a business meeting. The next meeting will be held at the home of Mrs. Geo. Crossman of Crossman terrace.

Visitors for the week are: G. Reising of L. Baumann and Co., Chicago; T. T. Fryer of New York; J. L. Lawrence of the W. B. Smith Cut Glass Works, Franklin Forks, Pa.

George T. Boucher's delivery auto caught fire recently on Main street. Fortunately the flames were extinguished very quickly, little damage being done.

The flower show committee has awarded the contract for the carpenter work.

Miss Rose Ella Brown is back again and expects to begin work in a few days.

Miss Holcombe of Victor, N. Y., is in the employ of the Rochester Florists' Co. H. J. H.

KANDALVILLE, IND.—The quarterly meeting of the Northern Indiana Florists' Association was held here October 16.

BUFFALO, N. Y.—W. J. Palmer & Son, well known florists, were among the victims of a crook who reaped a harvest here by passing bogus money orders. The orders were stolen from the Detroit, Mich., post office and the perpetrator realized a handsome sum by tendering a larger amount in payment for small purchases and pocketing the change.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00, POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

Traendly & Schenck,

WHOLESALE FLORISTS,

NEW YORK

131 & 133 WEST 28th ST
Phones: 798 and 799.

Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue. NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO.

GROWERS' CUT FLOWER CO.

Cut Flowers at Wholesale

J. J. COAN, Manager

Consignments Solicited

111 W. 28th St.

Telephone
6237 Madison Square

NEW YORK

P. J. SMITH,

Successor to
John I. Raynor,Wholesale Commission Florist, **SELLING AGENTS FOR
LARGEST GROWERS**The Home of the Lily. A full line of Choice Cut Flower Stock for all Purposes by
the 100, 1000 or 10,000. Consignments Solicited.

Telephones, 1328, 1998 Madison Square

49 West 28th Street

New York City

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper; your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Wholesale Flower Markets

	NEW YORK, Oct. 23.	Per 100
Roses, Beauty, special.....	10 00@25 00	
" " extra and fancy ..	6 00@10 00	
" " No. 1 and No. 2 ..	1 00@6 00	
" " Bride, Bridesmaid special ..	2 00@4 00	
" " extra and fancy ..	1 00@3 00	
" " No. 1 and No. 2 ..	50@1 00	
" " Killarney, My Maryland ..	3 00@4 00	
" " extra and fancy ..	2 00@3 00	
" " No. 1 and No. 2 ..	50@1 00	
" " Taft, Hillingdon, Aaron ..	50@6 00	
" " Ward ..	50@4 00	
" " Richmond ..	50@10 00	
" " Sunburst, special ..	6 00@10 00	
Asters ..	50@1 00	
Carnations ..	50@2 00	
Cattleyas ..	25 00@50 00	
Gardenias ..	4 00@15 00	
Lilies, Longiflorum and Harrisii ..	2 00@4 00	
Lily of the Valley ..	2 00@3 00	
Adiantum Croweanum ..	15@50	

M. C. FORD

Successor to FORD BROS.

Receivers and Shippers of **FRESH FLOWERS.**

121 West 28th St. NEW YORK

Telephone 3870-3871 Madison Square.

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

GUNTHER BROS.

Wholesale Florists

110 West 28th Street, NEW YORK
Tel. 551 Madison Square
CONSIGNMENTS SOLICITED.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA

Washington.

Theo. Diedrich has started cutting single violets and says he will have some of the finest chrysanthemums he has ever had. Mrs. Diedrich and son have arrived home after spending the summer in Germany.

Business has not improved any since the last meeting but stock is a little more plentiful. Chrysanthemums, roses and carnations coming into the local market are very good.

O. A. C. Oehlmer says he is more than satisfied with business, having had plenty of funeral work since he opened. He has a number of wedding decorations booked.

J. A. Phillips, the Mt. Pleasant florist, says business is very good both in his store and at the stand in the Arcade.

Archie Magruder, the foreman of the carnation range at the Monumental Garden, is laid up with the grip.

Samuel Everett, formerly with Gude Bros., is now with Oehlmer, the G street florist.

Mrs. G. Supper, formerly with Geo. Shaffer, has accepted a position with Gude Bros.

Chas. Scarbough is back with Gude Bros. for the season.

Visitor: Sidney Bayersdorfer of Philadelphia, Pa.

BOWLING SCORES.

McLennon...173 195 201	Ernest...168 190 182
Shaffer...181 197 170	Smith...120 134 127
Bury...162 170 158	Dalglisb...160 152 158

G. C. D.

CEDAR RAPIDS, IA.—Milo Crozer's flower store was entered and the cash register looted on the night of October 3.



The Meyer Green Silkaline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

All greens guaranteed to come up to your standard of quality. BEST REFERENCES.

Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	40c per 1000, 1.75 per case (5,000)

Terms Cash. Prompt Shipment.
No orders too small to have our attention.

BANNERS ELK, N. C.

DESERT HOLLY Something New for Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its beauty. 50c and \$1.00. Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.
Crates 2x2x2½ feet, F. O. B. Amargosa, \$5.00. Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet
MOSSSES

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
moss.

\$1.50 per barrel.

JAMES DAY, MILFORD, N. H.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.
Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

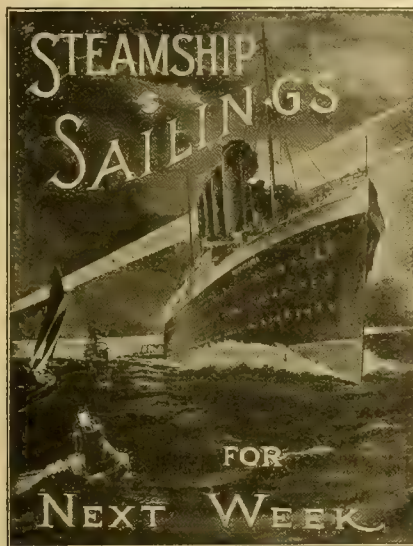
Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

November 1.

FROM MONTREAL AND QUEBEC, Corsican, Allan.
FROM QUEBEC, Empress of Ireland, Can. Pacific.
Tenunson, Lamport & Holt, 1:30 p. m.
Dunnegan Castle, Barber.

November 2.

FROM MONTREAL AND QUEBEC, Scandinavian, Allan.
California, Anchor, 12 noon, Pier 64 North River.
FROM QUEBEC, Lake Champlain, Can.-Pac. Carmania, Cunard.
Niagara, French, 3 p. m., Pier 57, North River.
St. Louis, American, 9:30 a. m., Pier 62, North River.
Oceanic, White Star, 12 noon.
FROM MONTREAL, Teutonic, White Star-Dom., at daylight.
Duca D'Aosta, Navigazione, Pier 64, North River.
Koenig, Albert, North Ger. Lloyd, 11 a. m.
Czar, Russian-American, 2 p. m.
FROM MONTREAL, Letitia, Donaldson.

November 3.

FROM MONTREAL, Corinthian, Allan.
November 4.
Corcovado, Ham. Amer., 2 p. m.
Byron, Lamport & Holt, 11 a. m.

November 5.

New Amsterdam, Holland-America, 10 a. m.
Roma, Fabre, 3 p. m.
United States, Scandia-Amer., 2 p. m.
Mayaro, Trinidad, Pier 24, Brooklyn.

November 6.

Zeeland, Red Star, 10 a. m., Pier 61, North River.
K. Auguste Victoria, Ham.-Amer., 3 p. m.
Alice, Austro-American, 1 p. m.
Caracas, Red "D.", 12 noon.

November 7.

FROM MONTREAL, Victoria, Allan.
La Provence, French, 10 a. m., Pier 59, North River.
Campanello, Uranium.
Celtic, White Star, 12 noon.
Kronprinzessin Cecelie, North Ger. Lloyd, 10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK
Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Barteldes Seed Co., Oklahoma City, Okla.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Boldt-Lundy Flower Shop, Denver, Colo.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. O., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.
Zieger Co., Inc., Pittsburg.

Irwin Bertermann, Indianapolis, Pres.
W. F. Gude, Washington, Vice-President.
W. L. Rock, Kansas City, Treasurer.

OTHER DIRECTORS:

Ernest Weinhoeber, Philip Breitmeyer,
A. B. Cartledge, George Asmus, Fred
H. Meinhardt, J. A. Valentine.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co.
FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park
Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

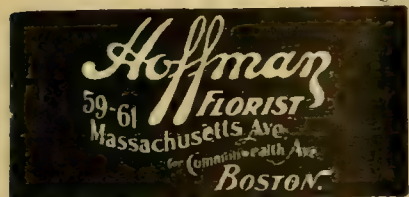
THE J. M. GASSER COMPANY,

CLEVELAND, O.

Euclid Avenue.

We Cover All Points in Ohio.

Mention the American Florist when writing



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Boldt-Lundy Flower Shop.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Charles Habermann.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Oklahoma City, Okla.—Barteldes Seed Co.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Pittsburgh—Ziegler Co., Inc.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

324-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Schiller The Florist
222-223 W. Madison St. CHICAGO.
All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member, Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hainl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 809-811 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Nashville, Tenn.

TRADE FLOURISHING.

The weather is very fine and the season has been very favorable for the production of fine flowers. There is an abundant supply of very fine quality and a correspondingly good demand. Funeral work the past week was very large. The social world is awakening with many entertainments that create a constant demand. Chrysanthemums are beginning to be very plentiful and very beautiful and sell well. Violets too are coming in nicely. Carnations and roses are getting better and more plentiful every day.

NOTES.

The Joy Floral Co. is bringing in as fine a lot of flowers as were ever put on any market. This firm has plenty of chrysanthemums and other flowers to suit every taste. Funeral work has been plentiful and they have had all they could do. The chrysanthemum plants are coming in in all colors and varieties.

Geny Bros. came in on the rush for funeral work very handsomely and made three palls in one day besides numerous other floral pieces. They have an abundance of violets, carnations, chrysanthemums and roses. They are cutting a fine lot of American Beauties with handsome long stems and fine blossoms.

McIntyre Bros. are pushing forward the work on their West End store, but have not moved into it yet though they expect to very soon. In the meantime they are doing a good business from the greenhouses.

L. Haury & Sons have kept up with the pace and have had their share in the call of the week.

There has been no frost as yet, to amount to anything in this locality.
M. C. D.

DES MOINES, IA.—Curtis W. Davidson, who for the past five years has been superintendent of the Iowa Seed Co.'s greenhouse establishment at this place, has resigned and has purchased with William Western the greenhouses of W. C. Walters, Denver, Colo. The new firm will do business under the name of the Davidson-Western Floral Co.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New York:

CHARLES HABERMANN
2668 Broadway.

Situated in the finest residential part of the city, has the best facilities for promptly filling any orders for city or delivery to steamer.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Omaha, Neb.

Hess & Swoboda
FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Deliver

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana				Kentia Forsteriana—Made up			
Pot	Leaves	In. high.	Each	Cedar tub	Plants	In. high	Each
2½-in.	4	8 to 10		7-in.	4	36	\$ 2 50
3-in.	5	12		7-in.	4	36 to 40	3 00
4-in.	5	15	\$ 0 35	9-in.	4	40 to 42	4 00
5-in.	6 to 7	18	50	9-in.	4	42 to 48	5 00
6-in.	6 to 7	24	1 00	9-in.	4	48 to 54	6 00
6-in.	6 to 7	26 in. high	1 25	9-in.	4	5 ft.	7 50
6-in.	6 to 7	28 to 30	1 50	12-in.	4	5½ to 6½ ft.	15 00
Cocos Weddelliana				Phoenix Roebelenii			
Pot	In. high	Each	Doz.	Pot	Leaves	In. high	Each
2½-in.	8 to 10		\$ 1 50	5-in., nicely characterized			\$1 00
			2 00	6-in., 18 to 20-in. spread			1 50
			4 00	Cedar tub	High	Spread	Each
			6 00	7-in.	18-in.	24-in.	\$2 00
			12 00				
			15 00				
			18 00				
			30 00				
			48 00				
Areca Lutescens				Cibotium Schiedel			
9 in.	Several	5 ft.	\$7 50	Cedar tub	Spread	2 to 2½ feet	Each
				7-in.		4 feet	\$2 00
				9-in.		5 feet	4 00
				9-in.		6 feet	5 00
							6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station.
Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted—packed to reach you in good growing condition.

Ricard and Poitevine, \$15.00 per 1000.

S. A. Nutt, \$12.50 per 1000.

Carnations and Coleus in season. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon	6 00	50 00
May Day.....	5 00	40 00
Sangamo	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress,	\$6.00	\$50.00
Enchantress,	6.00	50.00
C. W. Ward,	6.00	50.00
Pink Delight,	6.00	50.00

F. F. SCHEEL, SCHERMERVILLE, ILL.

FERNS.

A choice lot of 4-inch

BOSTONS
At 10 Cents Each.

Also a fine lot of

Bench Grown Roosevelts
Ready for 4 and 5-in. pots,
15 Cents Each.

They are worth more money but we need the room
ADDEMS, MORGAN & CO.,
PAXTON, ILL.

—WRITE—
GEO. A. KUHL
PEKIN, ILL.
FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes.....	\$4 00
3 foot	6 00
6 in. Birch Bark.....	1 00

Order a few of each size.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides, Chinese, Forbesi, Obconica Alba, Rosea, Lilac, Rubra, Hybrida, Compacta, Carmine, Blue, Sanguinea, Kewensis.

VIOLETS.

Gov. Herrick, field-grown, \$3.00 per 100; 2½-in., 2c.

FERNS.

From bench. Boston, 5-in., 12c. Whitmani, 4 in., 10c; 5-in., 12c. Amerpohli, 4-in., 12c; 5-in., 15c; Scholzei, 3-in., 8c; 4-in., 12c.

Pansies, Giant varieties \$2.50 per 1000
Yellow Daisy, 2½-in. 4.00
Flowering Begonias, 6 kinds, 2-in. 1½c
Cash. **BYER BROS.,** Chambersburg, Pa.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin, N. J. Williamstown Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

THERE is considerable decay in potatoes, due to blight-rot.

BAY CITY, MICH.—The Gregory Farm & Seed Co., organized in 1911, has recently increased its capital stock to \$30,000.

CHICAGO.—Prices on the Board of Trade October 23 for grass seed were noted as follows: Timothy, \$3.50 to \$4.50 per 100 pounds.

OTTO BERTRAM, Stendal, Germany, proprietor of the well known seed business of Chr. Bertram, died October 4 in his sixty-fourth year.

NORTHROP, KING & Co., Minneapolis, Minn., report the country dealers in that section well sold out and that they have been good buyers for future shipment.

NEW YORK.—The bulb trade, according to Weeber & Don, has been exceptionally good thus far this season and is much ahead of the season this time last year.

VAUGHAN'S SEED STORE, Chicago, reports September conditions slower than usual and that although weather conditions continue mild, October prospects are making up the deficit.

VISITED CHICAGO: A. Emerich, representing Vilmorin-Andrieux & Co., Paris, France; Frank Emerson, enroute to Texas; W. H. Small, Evansville, Ind.; A. E. McKenzie, Brandon, Man.; M. Colvin, Mobile, Ala.

MILWAUKEE, WIS.—Our fall business, say Currie Bros. Co., so far has been very satisfactory. We expect to do considerably more, however, as summer has not yet left us; at least we have not yet had our first frost, and most people do not think of their fall bulbs until their summer bedding plants have been killed. The business so far has been very satisfactory, however, especially the trade with the florists.

GRAND RAPIDS, MICH.—“We are inclined to believe we will have good fall and winter weather,” say the Alfred J. Brown Seed Co., “that will compare very favorably with last year. Everything seems to point that way as far as our observation goes. With abundant crops of produce and good prices ruling, we look for a prosperous season. We are very well satisfied with present conditions and the outlook for the future.”

KANSAS CITY, MO.—The late summer and early fall trade has not come up to expectations, says the Harndon Seed Co., although it was somewhat better than last year. A very severe drouth in this part of the country was partly responsible as that curtails business to a great extent. The bulb trade has opened up in fine shape. Dutch and French bulbs are going well. Business at the present is good and trade from now on is expected to be much better than it was this time last year.

RICHMOND, VA.—T. W. Wood & Sons report that the dry weather up to the middle of September curtailed the sales of seeds very considerably. Since that time they have had seasonable rains, and have had a very busy fall season. The general trade conditions are very good through this territory and the outlook for spring trade is favorable.

ROCHESTER, N. Y.—James Vick's Sons report a much larger fall business than ever before. Although their importation of bulbs was considerably larger than a year ago, they are sold out of some kinds, and the prospects are that their entire stock will be cleaned out much earlier in the season than usual. They say they are having a good all round trade, both wholesale and retail, locally and by mail. This firm is situated in new quarters in the Woodworth Building and has considerable more space to devote to the business than heretofore.

NEW ORLEANS, LA.—“We find that as a rule the business done in our line this year in Louisiana has been considerably better than for several years in pretty much everything and especially in field seeds. It would have been considerably better, perhaps, if it had not been for the floods. Louisiana lost and suffered a great deal through them; in fact, the water has not yet receded from some parts of the state. We feel that this country

is on the verge of opening up generally in everything pertaining to the soil. Truck farms are more numerous than before, in fact, some of the large plantations have been subdivided into smaller farms and are being planted into truck. Fruit trees are planted more than ever before, and a general interest is taken in everything that pertains to curtailing living expenses. Hogs, poultry, beef, etc., are being more extensively raised.”—Joseph Steckler.

European Seed Crops.

Every mail brings more discouraging reports of the European seed crops on account of the continuous rains ever since the beginning of August. There were a few sunny days about the middle of September, creating hopes for a fair crop of late maturing articles, but rain has since set in again and has caused many asters, marigolds and other composites to rot on the stalks. The crop of many articles will therefore be very light and the germinating qualities not up to the usual standard.

Peas and Beans

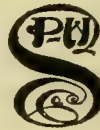
GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Hollister,
California



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—

NEW CULINARY PEAS

SHARPE'S MARCHIONESS

This is a very early, green wrinkled variety, height $3\frac{1}{2}$ feet, heavy cropper, very hardy, pods large, straight, dark green and well filled. We consider it the finest and most valuable Pea we have ever put on the Market. It requires a good Pea to beat Gradus on all points, and this one does it. When tested alongside Gradus it proved to be several days earlier, with larger pods, and a much heavier cropper.

SHARPE'S VANGUARD.

May be briefly described as a blue-seeded Pilot. Height 3 or $3\frac{1}{2}$ feet, large, dark-green pointed pods, each containing 7 to 9 large Peas of fine quality and flavor. There is no Pea in commerce at the present time so valuable for Market purposes, as it is very early, very hardy, very prolific; the pods are handsome in appearance and well filled; there are no small pods to spoil the sample when pulled, and no later ones to necessitate the crop being gone over a second time. For sowing in November, in localities where it is safe to sow Peas at that time, there is nothing better.

SHARPE'S TALISMAN.

Sharpe's Talisman is not a selection from Pilot, although it bears in its chief features a great resemblance to that popular variety. It, however, differs considerably from Pilot, as it is a much heavier cropper, far more robust, earlier, and there is a complete absence of the small-podded type to which Pilot is so liable to revert. The pods, mostly pairs, are borne in luxuriant profusion, and are of a fine dark color, large size, and well filled.

TRADE PRICES ON APPLICATION TO

CHARLES SHARPE & CO., Limited,
SEED GROWERS, SLEAFORD, ENGLAND.

Seedsman requiring the very best selections

Garden Seeds

(Vegetable and Flower), especially

**Kelway's Celebrated
English Strains**

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also submitting contract figures for the 1913 crop of Onion Seed.

SCHILDER BROS., CHILlicothe, O.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Mention the American Florist when writing

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

PANSY SEED

Giant Strain, Home-Grown, 50c per trade pkt.; \$1.50 per $\frac{1}{4}$ oz.; \$5.00 per oz.

Cyclamen Seed English strain, best obtainable \$1.00 per 100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.
Correspondence solicited.

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - - -	\$9.50
In lots of 500 lbs., - - -	9.25
In lots of 1000 lbs., - - -	9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in.	per 100..\$13.00
Rubrum, 9 in.-11 in.	per 100.. 9.00
Melpomene, 9 in.-11 in.	per 100.. 9.50
Tuberose, Double, pearl, 4 in.-6 in.	\$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.
PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2½ in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.



Fall Bulbs

On Hand For
Immediate Shipment

The Bulbs we offer below are all of our Regular Importations (not auction
lots), in first class condition, and should give best possible results.

Lilium Multiflorum Per 1000
6-8-inch (400 bulbs to case)....\$30.00

Lilium Giganteum Per 1000
7-9-inch (300 bulbs to case)....\$55.00

Dutch Hyacinths Per 1000
Second Size (our selection)....\$33.00
Bedding Grade, single..... 22.00
" " double..... 24.00

Freesias Per 1000
Purity (extra size).....\$17.50
" Mammoth..... 20.00

Narcissus (Single) Per 1000
Incomparable.....\$ 7.00
Sir Watkins..... 12.00

Narcissus (Double) Per 1000
Alba Plena Odorata.....\$ 5.50
Incomparable..... 8.00
Von Sion, Fancy Select..... 12.50
Von Sion, First Size..... 10.00
Von Sion, XXX, Double Nose 20.00

Narcissus Paper Whites
Grandiflora Per 1000
Fancy (1250 bulbs to case)....\$ 9.00

Gladiolus. Per 100

Blushing Bride.....\$4.50
The Bride..... 5.00

Tulips (Single) Per 1000

Rose Luisante..... 16.50
Rose Gris de lin..... 6 50
Vaughan's New Pink..... 8.50

Tulips (Double) Per 1000

Crown of Roses.....\$17.00
Duke of York..... 7.00
Murillo..... 8 00
Titian..... 12.00
Tournesol Red and Yellow... 17.00

Tulips (Late Flowering) Per 1000

Bouton d'Or.....\$ 9.75
Gesneriana Spathulata..... 10.00
Isabella..... 7.50

Darwin Tulips Per 1000

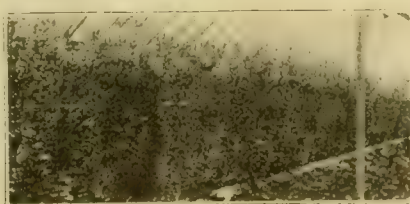
Glow.....\$17.50
Gretchen..... 10.00
Pride of Haarlem..... 22.00
Salmon King..... 13.50
Sultan..... 9.00
White Queen..... 18.00
Mixed..... 10.00

Vaughan's Seed Store,

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



Silver Pink Snapdragon

has made good and we have had high praise for
it. Having perfected this strain true from seed
I can now distribute it to any part of the Globe,
and offer new crop seed absolutely pure and true,
backed by my reputation and guarantee, at \$1.00
per packet, 3 for \$2.50. Cash, please. Stronger
and better shaped plants can be had from seed and
you are sure of getting a stock at ¼ cost of cutting.

G. S. Ramsburg, Somersworth, N. H.

Ferns for Dishes

Best varieties, 2¼ in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincey St., CHICAGO



Mention the American Florist when writing

SPECIALTIES.

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISH KILL
New York

Mention the American Florist when writing

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan MILFORD, CONN.
and Wisconsin.

Mention the American Florist when writing

Just received in fine condition a surplus of

Lilium Longiflorum Multiflorum

7 to 9 inches.

Write for Prices.

YOKOHAMA NURSERY CO.,

31 Barclay Street,

NEW YORK, N. Y.

BERLIN VALLEY PIPS.

High grade quality from
New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, NEW YORK

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

The Early Advertisement
Gets There.

FALL BULBS SELLING FAST

Still have stock of all late and a few early varieties.

Special Prices: FREESIA REFRACTA ALBA

EXTRA LARGE.

\$0.75 per 100; \$6.75 per 1000.

MAMMOTH BULBS

\$1.00 per 100; \$9.00 per 1000.

LILIUM HARRISII

6-7 inches

\$0.75 per doz.; \$3.50 per 100.

For florists and dealers only. Mention this ad.

JAMES VICK'S SONS.

ROCHESTER, N. Y.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

TOMATO SEED

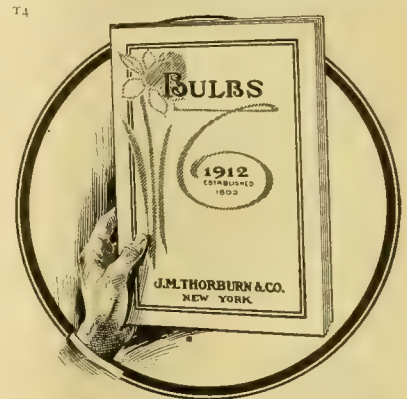
Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing



WE have a good deal to say in our Bulb Catalog which is of very special interest to florists.

When writing for a copy explain that you are a florist and ask for our Special Florist's Edition with Prices.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

— FOR — SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited

Boston, England

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Market Gardeners

Vegetable Growers' Association of America.

J. H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, October 21.—Mushrooms, 50 cents to 75 cents per pound; lettuce, 20 cents small cases; cucumbers, \$1.75 to \$2.00 per case of two dozen.

Elyria, O.

The Copas Brothers have a very attractive store on Court street, with a nice range of 25,000 square feet of glass near the cemetery.

The L. C. Hocock Floral Co. now has a retail store at Lorain.

DETROIT, MICH.—The home address of Mrs. Chas. H. Maynard, Secretary of the Ladies' S. A. F., will be at 260 Rosedale Court, Detroit, Mich. Mr. Maynard will be found at 6 Adams Ave., W., as manager of the Detroit Cut Flower Supply House.

LA CROSSE, WIS.—The Salzer Seed Co. will hold its annual flower show at its greenhouses early in November. Prizes will be awarded to the growers of the finest flowers from plants presented to them when the greenhouses were opened.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md

'MUM

STOCK PLANTS

Early Yellow—Chrysolora.

Per doz., \$3.00; per 100, \$15.00.

Early Yellow—Crocus.

Per doz., \$2.00; per 100, \$10.00.

Early White—Smith's Advance.

Per doz., \$2.00; per 100, \$10.00.

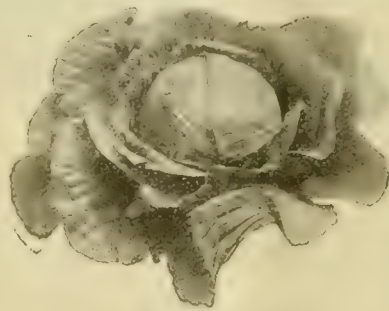
Early Pink—Unaka.

Per doz., \$2.00; per 100, \$10.00.

Bassett & Washburn
HINSDALE, ILL.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.



Copenhagen Market Cabbage

Prices and Descriptive List on Application.

Lochner & Co., 11 Warren St., New York.

Sole agents for the U. S. and Canada.

Highest Award

for Danish Seeds of own growth obtained by

L. DAEHNFELDT
Odense, Denmark

—at the—

Scandinavian Horticultural Exhibition

Copenhagen, September 1912.

(Seed Cultures, 10,000 Acres).

Write for catalogues and quotations for first-class seed of
Cabbage, Cauliflower, Mangel, Rutabagas, etc.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIGANTIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ⅓ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Field Grown Carnation Plants.

Harlowarden, Lady Bountiful, Sangamo, Windsor, \$45.00 per 1000.

Enchantress, White Enchantress, Mrs. Ward, Dorothy Gordon, White Wonder, \$60.00 per 1000.
O. P. Bassett, and Beacon, \$50.00 per 1000.

One Thousand Lady Campbell Violet Plants, \$60.00 per 100 or \$50.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Syme, Unaka, (Pink), Chrysolora, (Yellow), \$1.00 per dozen.

ELI CROSS, : Grand Rapids, Mich.

Mention the American Florist when writing

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica.		
Alba, Rosea	\$1 50	\$15 00
Gigantea—All from 2¼ pots	2 00	20 00
Asp. Plumosus, 2¼ pots	2 00	18 00
" Sprengeri	2 00	15 00
" Plumosus Seedling	1 00	7 50
" Sprengeri	1 00	6 00
Vinca Variegata field plants Cut back	5 00	50 00
Fancy Plants, Giant flowering		2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

POEHLMANN QUALITY PALMS

And Plants Are Best.

Try Them and You will Have no Others.

We are particularly strong on everything mentioned in this ad, so let your orders come.

PALMS

Areca Lutescens.

7-inch.....\$1 50 to \$2 00 each

Kentia Belmoreana.

	Height	Each	Doz.	Per 100
4-in.	12 to 15-in.	\$ 4.50	6.00	\$35.00
5-in.	15 to 18-in.	7.50	9.00	50.00
5-in.	18 to 20-in.	7.50	9.00	
6-in.	20 to 22-in.	1.00	12.00	
6-in.	22 to 24-in.	1.50	18.00	
7-in.	28 to 30-in.	2.50	30.00	
7-in.	36 to 40-in.	4.50		
Specimens in tubs, 40 to 42-in.		each, \$ 8.00		
5 to 6 ft.		15.00		

Kentia Forsteriana.

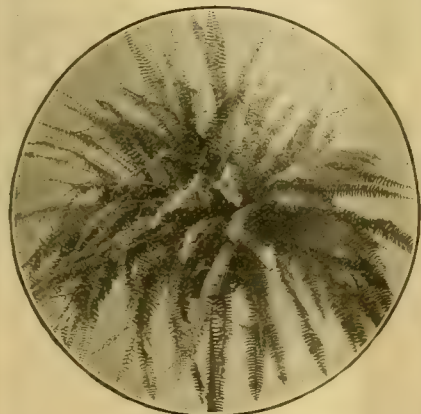
	Height	Each	Doz.	Per 100
4-in.	14 to 16-in.	\$ 4.50	6.00	\$35.00
5-in.	20 to 24-in.	7.50	9.00	
6-in.	24 to 30-in.	1.00	12.00	
6-in.	30 to 36-in.	1.50		
7-in.	36 to 38-in.	2.50		
7-in.	38 to 40-in.	3.50		
In tubs 44 to 50 in.		7.00		Each
Made up in tubs 28 to 30-in.		\$ 3.50		
" " " 30 to 32-in.		4.00		
" " " 40 to 42-in.		5.00		
" " " 44 to 46-in.		7.00		
" " " 50 to 60-in.		10.00		

☞ Larger specimens in *Kentia Forsteriana* and *Belmoreana* ranging in prices from \$8.00 to \$16.00 each.

Phoenix Roebeleni.

Strong stock.

3-inch.....25c each; \$2 50 per doz.
4-inch.....50c each; 5 00 per doz.



Boston Fern.



Pandanus Veitchii.

Fine colored stock.

5-inch.....\$0 75 each; \$ 9 00 per doz.
6-inch.....1 50 each; 18 00 per doz.
7-inch.....2 00 each; 24 00 per doz.
7-inch.....2 50 each.

Dracaena Terminalis.

Fine color.

4-inch.....25c each; \$2 50 per doz.
5-inch.....50c each; 5 00 per doz.

Dracaena Massangeana.

Each.

6-inch, strong and well colored..\$1 25 to \$1 50

Extra Fine Rubber Plants.

6-inch.....50c to 75c each
Ficus Pandurata, strong plants, 3 feet. ea.\$2 50
5 feet, each.....4 00

We will have the following Bloom-
ing Plants in first-class stock for
Fall and Xmas sales:

Azaleas for Xmas., in bloom..50c to 2 00 each
Begonia Glory of Cincinnati, 35c to 1 50 each
Cyclamen, 4-in. to 7 in.....20c to 1 50 each
Poinsettias, in pans.....from 50c to \$2 00 each
Primulas Obconica and *Malacoides*,
in bloom.....25c to 75c each
Also *Smilax*, strong 3-in., \$4.50 per 100; \$40.00
per 1000.
Strong *Asparagus Plumosus*, 4-inch, \$10.00
per 100.

FERNS

Boston and Whitmani Ferns.

The stock for size and quality cannot be sur-
passed. We offer now fine established stock
in following sizes: Each Per doz. Per 100
6-inch.....\$ 6 00 \$45 00
7-inch.....\$0 75 9 00
8-inch.....1 00 12 00
10-inch.....2 50 30 00
12-inch.....3 50

Cibotium Schiedei.

6-inch.....\$2 50 each

Ferns for Dishes.

12 of the leading varieties.....\$3 50 per 100
In pots.....\$32 50 per 1000
Out of pots.....30 00 per 1000
No better stock offered anywhere.

Araucaria Excelsa.

Good strong stock, 5-inch, 50c each; 4 to 5 tiers,
75c and \$1.00 each.

Christmas and New Cluster Peppers.

Finely fruited.

4-inch.....25c each; \$2 50 per doz.
5-inch.....50c each; 5 00 per doz.



SEND ALL PLANT ORDERS DIRECT TO

POEHLMANN BROS CO.

Plant Department

Morton Grove,

Illinois.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

To Importers of Nursery Stock.

The Federal Horticultural Board of the United States Department of Agriculture has issued the following circular of information to importers of nursery stock:—

Under the plant Quarantine Act, approved August 20, 1912, the importer of nursery stock must attend to the following conditions of entry:

(1) He must take out a permit therefor in advance. This permit should preferably be taken out by the person who is to receive the goods at final destination. A broker or commission merchant may take out a permit in his own name, if he imports for his own account, or he can act as agent for and take out the permit in the name of the actual purchaser.

(2) He must see that each package on arrival bears the proper certificate of foreign inspection. (See regulation 6.)

(3) He must see that each package is marked in accordance with section 3 of the act. As a matter of convenience, this marking should also contain the additional information called for in section 4, to avoid the trouble of remarking before the goods can be delivered for interstate shipment. The certificate and marking should preferably be on the goods before they leave the foreign port.

(4) After December 1, 1912, each shipment must be accompanied with the consular declaration called for in regulation 9. This declaration must accompany the consular invoice and is not to be attached to the individual container.

What the importer or broker must do before the goods can be shipped or removed from a port of entry:

(1) He must (immediately before shipping or removal) advise the Secretary of Agriculture and state inspectors in accordance with section 2 and regulation 8.

(2) He must see that each container is marked in accordance with section 4; that is in addition to the information in the label of entry, each container must bear the name and address of the consignee at destination, where the stock is to be inspected by the state, territorial or district official. (See section 2 and regulation 8.)

Importers are warned that failure to meet the requirements of the law as outlined above subjects them to the penalties fixed in section 10 of the act.

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

On the job day and night

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. All goods F. O. B. your city.

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N.Y.
P. E. FELLOWS, Catalogist



Try Us Out

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedei (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

GLADIOLUS

	Per 100	Per 1000
BLUSHING BRIDE, -	\$0.75	\$6.00
THE BRIDE, - - -	0.75	6.00
PEACH BLOSSOM, - -	1.10	9.00

A. HENDERSON & CO.
352 N. Michigan Ave., CHICAGO.

FERNS.

Boston, Whitman and Scholzei from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch Boston and Scholzei grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

Mention the American Florist when writing

We are Headquarters for Hardy Perennial Phlox.



The Plants Supplied are all Strong One Year Old Field Grown Stock.

New Varieties of Hardy Phlox.

Asia (Tall.) One of the most valuable recent introductions, a delicate shade of mauve, with crimson carmine eye. \$2.00 per dozen; \$15.00 per 100.

Braga (Dwarf.) Mauve-rose, more or less suffused with salmon; large white eye, a distinct and pleasing color combination. \$1.50 per dozen; \$10.00 per 100.

Europa (Tall.) A white variety, with very decided crimson-carmine eye; the individual flowers as well as the trusses are very large, entirely distinct, a valuable acquisition.

Elizabeth Campbell (Dwarf.) Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much wanted shade in Phlox.

Frau Anton Buchner (Dwarf.) The finest white variety yet introduced, having a large truss and individual flower of dwarf habit.

Goliath (Tall.) A giant in growth, in rich soil over 5 feet high, the flowers of good size in bold massive panicles of a rich crimson-carmine, with deeper eye.

Hervor (Dwarf.) This is the finest variety of its color; a bright but soft rose-pink, with a large white eye.

Rynstrom (Tall.) An improved form of the popular variety Pantheon, fine for massing; of a Paul Neyron rose-color.

Rosenberg (Medium.) Bright reddish violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

Widar (Medium.) A splendid improvement on Edmond Rostand; in color a light reddish-violet, with very large white center which intensifies and illuminates the color.

Price, (except where noted), \$1.25 per dozen; \$8.00 per 100; \$75.00 per 1000.

General Collection of Best Standard Varieties.

Albion, medium. One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglæ Adanson, medium. Immense flowers, snow-white, with red-eye.

Antonin Mercie, medium. Light ground color, upper half of petal deeply suffused bluish-lilac; large; white halo.

Bacchante, tall. Tyrian rose with crimson-carmine eye.

Beranger, dwarf. Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid, tall. White, with large crimson-carmine center.

Colibri, tall. White, with crimson-carmine center; very late.

Consul H. Trost, medium. Pure red, with bright French-purple eye.

Champs Elyses, medium. A very bright rosy magenta of an effective shade.

Coquelicot, dwarf. A fine pure scarlet, with crimson-red eye. \$6.00 per 100.

Caran D'Ache, medium. Geranium-red, with old rose shadings and white eye; very effective.

Diadem, dwarf. A fine dwarf, pure white.

De Miribel, medium. White, suffused with bright rosy-scarlet, red eye.

Danton, medium. Scarlet, pure red eye.

Edmond Rostand, medium. Reddish-violet, shading brighter towards the center with an exceptionally large, white center.

Eugene Danzanvillier, tall. Lilac, shading white towards the edges; large white center.

Eclairer, medium. Brilliant rosy-magenta, with large lighter halo; an excellent variety.

Fruhlicht, dwarf. Bright salmon-pink, with white shadings.

George A. Strohlein, medium. Bright scarlet, with crimson-red eye; does not bleach. \$7.00 per 100.

General Giovannelli, dwarf. Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye, very effective.

Hermine, dwarf. The dwarfiest variety in our collection, never exceeding ten inches in height; pure white flowers of good size; early; unequalled for bordering; a perfect little gem.

Helena Vacaresco, dwarf. Very large flowering dwarf, white.

H. O. Wijers, tall. Glistening white, with bright crimson-carmine eye.

Henry Murger, tall. Beautiful variety; white, crimson-carmine center.

Henry Royer, medium. Tyrian rose, with lighter shadings.

Jeanne D'Arc, tall. A good standard late white.

Kucken, tall. Delicate pale rose-mauve, with claret-red eye.

La Vague, medium. Pure mauve, with aniline-red eye.

Le Prophete, dwarf. Bright violet-rose, large light halo and bright rose eye, fine.

Louise Abbema, dwarf. Very large, dwarf pure white, fine form.

Mme. Paul Dutrie, tall. A delicate lilac rose, reminding one of some of the beautiful soft pink orchids. The flowers are very large and borne in panicles of immense size.

Mozart, tall. Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins, tall. The best tall early white for massing.

Nana Coerulea, dwarf. Very free flowering light reddish-violet.

Obergartner Wittig, medium. Bright magenta, with crimson-carmine eye; large flower and truss, one of the best.

Professor Virchow, medium. Bright carmine, overlaid with orange-scarlet.

Pantheon, tall. Bright carmine-rose.

Prosper Henri, dwarf. Pure white, with large decided eye of rosy-magenta.

Pacha, dwarf. Deep rose-pink, suffused with solferino-red and carmine-purple eye.

R. P. Struthers, tall. Rosy-carmine, with claret-red eye, fine.

Sarabande, medium. Reddish-violet, with lighter shadings.

Sunshine, dwarf. Large, aniline-red, with crimson-red eye and light halo.

Selma, tall. Large flower, pale rose-mauve, with claret-red eye.

Siebold, tall. Bright vermilion-red overlaid with orange-scarlet; crimson-red eye. \$6.00 per 100.

Vesuvius, medium. One of our new seedlings; pure red, with bright purple eye, a dazzling color.

F. G. Von Lasburg, medium. The purest white in cultivation, individual flowers larger than any other white.

Price of any of the above (except where otherwise noted) \$4.00 per 100, \$30.00 per 1000.

For the most complete list of Hardy Perennials as well as complete assortments of Decorative Plants and other Seasonable Stock see our Current Wholesale List.

The above prices are for the Trade Only.

HENRY A. DREER, 713 Chestnut St., PHILADELPHIA, Pa.

—10,000— Primula Malacoides MUST BE SOLD

Good stock. 2½-in. pots,

**\$2.50 per 100;
\$20.00 per 1000.**

BIG BARGAIN.

Act quick.
Cash with order.

F. F. SCHEEL,
Schermerville, Ill.

HYDRANGEA OTAKSA.

Four inch, pot grown, ready for six inch,
three to six shoots, \$8.00 per 100.
Field grown, three to six shoots, very
strong plants: \$10.00 per 100.

FERNS.

Amerpohli, 4-in. extra fine \$15.00
Whitmanii, 4-in. 15.00
Whitmanii, 3-in. ready for shift.... 8.00
Whitmanii, 2-in. " " 5.00
Elegantissima, improved 2-in. 4.00

DAISIES.

Yellow, the best winter flowering variety
3-in. 8c
5-in. 20c

Randolph & McClements
5936 Penn Ave., PITTSBURGH, PA.

Pansy Plants.

Best strain on the market. **Daisies** (Bellis)
Forget-Me-Not, **Sweet William**, **Gaillardia**,
Coreopsis, **Delphiniums**, **Hardy Pinks**,
Foxgloves. Fine plants. \$2.50 per 1,000,
5,000 for \$10.00.
Hollyhocks, double, in colors. 50 cts. per
100, \$4.00 per 1,000.
Primulas, **Asparagus Plumosus** and
Sprengeri. Fine plants. 2½ in. \$2.00 per
100, \$5.00 per 300.
Smilax. Strong, bushy plants. 2½ in.
\$1.50 per 100, \$12.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Look! Violets!

10,000 Field Clumps. Clean and healthy
stock. To close out quick.
Princess of Wales \$4.50 per 100
Lady Campbell 4.00 per 100
Cash, please.

A. B. CAMPBELL,
The Violet Man, COCHRANVILLE, PA.

Please Take Notice!

We Protect the Trade. Have No Department Store Customers.

Election is coming. For whom will you vote?

VOTE FOR GODFREY ASCHMANN.

I'm a leader in the land where the Araucarias
grow.

The only real progressive, as all florists know:
When making out your orders, give your biggest
vote for me.

Then you'll have the richest Christmas you ever
yet did see.
Let Wilson, Taft and Roosevelt, in their travels to
and fro
Promise all the big improvements that any of
them know:

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa,
5¼ to 5½-in. pots, 2-3
years old 3-4 tiers, 14
15-16 in. high, 40c to 50c;
5½ to 6 in. pots, 3 years
old, 4-5 tiers, 16-18-20 in.
high, 60c to 75c; 6-in.
pots, 4 years old, 4-5-6
tiers, 20-22-25 in. high.
\$1.00; 6-in. pots, 5 years
old, 5-6 tiers, as big as
an elephant. \$1.25 to
\$1.50; 7-in. pots, 5 to 6
years old, 6-7 tiers, 30 to
40 in. high, a holy ter-
ror, only \$1.75 to \$2.00.

Araucaria Excelsa
Glaucia and **Robusta**
Compacta, April, 1911.

importation, 6-7 in. pots, fine bushy plants, \$1.25.
\$1.50, \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches
high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches
high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 6-in., 26 to 28 in.
high, 75c to \$1.00.

Kentia Belmoreana, 4 year old, combination or
made up of 3 plants, 26 to 28 inches high, \$1.25.

Kentia Belmoreana, combination or made up of 3
plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 4¼ to 5 in. pots, 20 to 24 in.
high, 50c to 40c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in.
high, 50c to 60c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in.
high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana, 6-in. pots, made up, one large
in center, three small ones around, \$1.00 to \$1.25.

Cocos Weddelliana Palms, single, 3-in. pots, 15c,
18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in.,
20c to 25c; 5¼-in., made up of 3 plants, 35c.

Aspidistras, variegated, 6-in. pots, 15c per leaf;
green, 6-in. pots, 10c per leaf. Plants have from
5 good leaves upward to 10 leaves.

Corphae Australis Palms, 5-in. pots, 20 in. high, 35c.

Asparagus Plumosus and **Sprengeri**, large 4-in.
\$10.00 per 100 (or 10c).

Asparagus Plumosus, 2¼-in., \$3.00 per 100.

Asparagus Sprengeri, 2½-in., \$4.00 per 100.

Hydrangea Otaksa, pot-grown. Remember, only
pot-grown stock, like ours, will force success
fully. 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain,
assorted, 4-in., \$4.00 per 100; 5½-in., \$2.50 per
doz.

Primula Chinensis, John F. Rupp strain,
assorted, 4-in., \$10.00 per 100; 5½-in., only \$2.50
per doz.

Poinsettias, 4-in., 20c.

Begonias Gloire de Lorraine and **Lonsdale**, pink,
5½ to 6 in. pots, 50c, 75c to \$1.00.

**Glory of Cin-
cinnati**, 5, 5½ to 6 in. pots, 40c, 50c, 75c, \$1.00,
\$1.25 to \$1.50.

Ficus Elastica, Belgium or American stock, 5-5½-
in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Jerusalem Cherries (Solanum), 6-in., 25c, 35c, 50c.

Daisies, Sanderl, pure white, everlasting bloomer,
very valuable for cut flowers, 2½-in., \$5.00
per 100.

Queen Alexandra Daisies, pure white, good
Easter Daisy, 2½ in. pots, strong, \$4.00 per 100.

Cineraria Hybrida, our well-known superior strain,
which created a sensation last Easter, 2-in., \$5.00
per 100.

Still if you come to Aschmann's, you'll see the
very best:

So mail to him your orders and he will do the rest.

The easiest thing a man can do is to make a noisy
breeze.

The hardest task a florist has is to grow the plants
that please:

Yet in the years that I have spent in growing for
the trade,

I've filled the bill and satisfied the many friends
I've made.

Just arrived, per steamer Manitou, from Ant
werpen, four consignments of **Azalea Indica** in
fine condition for Christmas forcing. We have
Deutsche Perle, white; **Simon Mardner**, pink;
Mme. Petrick, new, pink; **Pharilda Mathilda**,
variegated; **Vervaneana**, variegated rose, 50c,
75, \$1.00, \$1.25, \$1.50 to \$2.00. For Easter bloom-
ing and for Easter we have the well-known
American varieties, such as **Mme Van der Cruys**
sen, best pink; **Paul Weber**, **De Schryveriana**,
John Llewellyn, **Niobe** (white), **Apollo** (red), and
a few more good sorts. P. S.—The Christmas
varieties can be kept for Easter forcing without
trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to
\$2.00. We sell our Azaleas for cost only, be-
cause there is no profit to be made in Azaleas.

Azalea Indica for early forcing, **Deutsche Perle**,
Simon Mardner, **Mme. Petrick**, **Vervaneana** and
others, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

Ferns.

The growing of **Nephrolepis** for the past five
years has been one of our leading specialties. We
have three houses, which were rebuilt this sum-
mer, especially adapted for the growing of first-
class stock. **Ferns do not do well in old houses.**
They need houses with plenty of sun and good,
fresh, sweet air. Old, dark houses bring fungus
and make spindly plants.

Neph. Ciatrasili. This is a new fern, very graceful,
of weeping habit, short and bushy, very much
admired by every one who has bought it.
4-5 5½-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmanii, 4-in., 20c; 5½ to 6-in. pots, 30c,
35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6 in., 40c
to 50c; 7-in., 75c.

Boston, 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in.,
35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 6-in., 50c.

Adiantum Hybridum, the new Maidenhair Fern,
large 4-in. bushy, 15c.

Japanese Fern Balls, our own importation, now
full of leaves; 8-9 in. in diameter, only 35c (cheap
at 50c).

We have a big assortment of 2½-in. **Dish Ferns**,
now ready, \$4.00 per 100.

6-in. dishes, made up of **Wilsoni Ferns**, one large
Dracaena Terminalis in center, 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very
attractive, would sell like hot cakes for 75c.

Look! only 25c per pan for three big plants.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Binghampton, N. Y., Sept. 3rd, 1912.

Mr. Godfrey Aschmann, Philadelphia:

Dear Sir:—Your shipment of Palms, Plants and
Ferns arrived in fine shape. I certainly am well
pleased with all stock you send me, and I will send
you another order.

S. W. BACKER, Billy the Florist.

93 Front St., Binghampton, N. Y.

Look and see what Mr. Fred J. Michell, of
that so well-known firm of Henry F. Michell Com-
pany, of Philadelphia, has got to say about our
plants:

"Sept. 14th, 1912.

"I have just visited the greenhouses of Mr.
Godfrey Aschmann, and must say that it was
indeed a great surprise to me. I have never seen
a better lot of Araucarias, Ferns of all sizes, varie-
ties and prices, Rubbers, Palms, Azaleas, and
other plants in season, ready for shipment, as are
at present at Mr. Godfrey Aschmann's."

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street,

PHILADELPHIA, PA.

NEW SCARLET CARNATION

"THE HERALD"



We ask you to kindly take into consideration the many strong points of this new Scarlet Carnation which we offer for January 1913 delivery. Three strong, perfect points of "The Herald." Large 3½-inch perfectly formed flowers on long, strong stems. Perfect calyx; never bursts. Free and continuous bloomer, giving a heavy, continuous crop of perfect flowers the entire season. **No waiting** until the end of the season to get flowers with long stems, but have plenty of them all the time. The plants are strong and vigorous; free from disease; easy to propagate. Cuttings struck in March make large plants for benching in July. Habit somewhat on the order of Enchantress, more vigorous and productive.



"The Herald" is one of our own originations. Have grown it the past four years, and have not only convinced ourselves of its sterling worth, but have booked orders the past two years from conservative carnation growers, who have watched the variety and wanted their order placed for early delivery no matter when disseminated.

Stock will be ready January 1, 1913.

\$12.00 per 100; \$100.00 per 1000.

Chicago Carnation Co., 30 E. Randolph St. Chicago

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - -	8.00
White Perfection, -	7.00
Rose Pink Enchantress,	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing



PRIMULA MALACOIDES.

Vaughan's Specials

PRIMULA MALACOIDES,
The Improved Baby Primrose.

It is a wonderfully free bloomer, of a delicate shade of lavender. Grand for pot plants or for cutting.
2½-inch, doz., 75c; per 100, \$4.00.
3-inch, doz., \$1.25; per 100, \$8.00.

ASPARAGUS HATCHERI. 2-inch,
doz., \$1.00; per 100, \$7.00.

SPRENGERI and PLUMOSUS. 2-inch,
doz., 50c; per 100, \$3.00; per
1000, \$25.00. Seedlings, per
1000, \$6.00.

DEUTZIA GRACILIS. Home Grown
stock. 8-inch pot grown plants. 70 to
80 flowering branches, only 30c each;
\$3.00 per doz.; \$20.00 per 100.
Ask for prices on extra bushy field-
grown plants in assorted sizes.

SPECIMEN FRUIT TREES. Extra large
Apples and Pears. Ask for list.

Vaughan's Seed Store, CHICAGO,
NEW YORK.
Greenhouses and Nursery at
Western Springs, Ill.

FIELD-GROWN

Carnation Plants

Extra large plants that have been
carefully pinched back, having 4 to 8
branches.

VARIETIES:—O. P. Bassett, White
Enchantress and Enchantress.

PRICE: \$5.00 per 100. Not less
than 100 shipped at this price.

BASSETT & WASHBURN
HINSDALE, ILL.

Gladiolus Bulbs.

75,000 healthy first size bulbs,
named kind.

100,000 healthy second size
bulbs, named kind and mixture.

All from our seedlings, never offered
to the public before. Flowers 4 to 6
inches across. Cheap to Wholesale
Trade for 30 days. Write now; tomor-
row may be too late.

Gladioli Specialty Ass'n.,
Old Point Comfort, Va.

Mention the American Florist when writing

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Lalus , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne , creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d'Osmond , white with sulphurish center.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d'Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse , one of the best whites; midseason.....	20.00
Delachel , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower; stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officinalis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officinalis Rubra Pleno , the well known, very early, double crimson	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmita , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.	15.00
Gen. Cavaignac , lively lilac pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - Newark, New York.
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.
BALTIMORE, MD.

First Aid to Buyers Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Mention the American Florist when writing

Fine Ferns.

We have a magnificent stock of exceptionally fine **Nephrolepis** in the following varieties, viz.:
Elegantissima, 6-in. pots, 50c each; 8-in. pots, \$1.00 each; extra fine specimens, 12-in., \$4.00 to \$5.00 each.

Elegantissima compacta, 8-in. pots, \$1.00 each.

Harrisii, an improved, Bostoniensis. Extra fine plants, 8-in. pots, \$1.00 each.

Bostoniensis, 8-in. pots, \$1.00 each; 6-in. at 50c each.

Glatrasi, 8-in. pots, \$1.00 each.

Scottii, 6-in. pots, 50c each; 8-in. pots, \$1.00 ea.

Viridissima, 10-in. pots, \$2.00 to \$3.00 each;

3 1/2-in. pots, 15c. each.

Magnifica, 6-in., 75c. each.

Asparagus Plumosus Nanus, 2 1/4-in. pots, \$4.00 per 100.

Crotons.

Best assorted varieties in 5-in. and 6-in. pots. \$6.00, \$9.00 and \$12.00 per dozen.

Cold Storage Lillium Giganteum.

7-9 in. bulbs; case lots of 300.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

Phoenix Roebelenii.

The finest and most graceful of all palms, and the Hardiest for summer decoration. Fine specimens in new 12-in. tubs, \$5.00 each.

Paper White Grandiflora Narcissus.

13 cm. bulbs.....\$ 8.50 per 1000
14 cm. bulbs..... 10.50 per 1000

Freesias. French-grown.

Mammoth bulbs, 3/4-in. and up, \$12.00 per 1000
Extra sized bulbs, 1/2 to 3/4-in. 9.00 per 1000

Cold Storage Lily of the Valley.

Very finest quality obtainable.
Packed in cases of 500 and 1000.

Azaleas

Best Standard Commercial Varieties.

New importations ready in October.

	Per doz.	Per 100
Plants 10-12 in. in diameter.....	\$ 6.00	\$ 40.00
Plants 12-14 in. in diameter.....	9.00	50.00
Plants 14-16 in. in diameter.....	12.00	70.00
Plants 16-18 in. in diameter.....	15.00	100.00

Hydrangea Otaksa

POT GROWN FOR FORCING. Plants of exceptional quality—strong thrifty, and well-set with flower-buds, all in six-inch pots, grown outside plunged. Ready for delivery at any time now, at the following prices:

Plants with 7 to 10 shoots, \$25.00 per 100
Plants with 5 and 6 shoots, 20.00 per 100
Plants with 3 and 4 shoots, 15.00 per 100

Profitable stock to have on hand for sale in bloom at Easter and for Decoration Day. This lot is the best we have ever grown. Order now. We'll ship 'em now or later.

JACKSON & PERKINS CO., NEWARK, NEW YORK

75,000 NEPHROLEPIS FERNS

Everything Stamped CRAIG QUALITY

LOOK OVER THIS LIST AND NOTE THE GREAT VALUES

"Craig's Crotons Are Best Known and Known to Be Best."

4-inch pots.....\$30 per 100
5-inch pots.....\$6, \$9 and \$12 per dozen
6-inch pots.....\$12, \$15, \$18 and \$24 per dozen
Larger specimens and made-up plants at \$2.50, \$3, \$4, \$5, \$7.50 and \$10 each.

We are also offering this Fall a set of our own seedlings, 12 in number, all of exceptional merit. Strong plants, 4-inch pots.....

.....\$3 each; 30 per dozen; \$200 per 100
Croton Punctata, 3-inch pots, heavy, \$20 per 100
Croton Punctata, 4-inch pots, heavy, \$25 per 100

Ficus Pandurata.

The plant of the century. Positively the best house and porch plant to date. Our stock of this wonderful plant this year is finer than we have heretofore offered, and we can surely give you satisfaction.

6-inch pots, 2 feet tall.....\$1.50 each
6-inch pots, 2½ feet tall.....\$2 each
7-inch pots, 3 feet tall.....\$2.50 each
8-inch pots, 4 feet tall.....\$3 each
10-inch and 11-inch tubs, 5 to 10 feet tall.....

.....\$4, \$5, \$6 and \$7.50 each
Branch plants, exceptionally fine, at.....
.....\$2, \$2.50, \$3, \$3.50, \$4, and \$5 each

Nephrolepis Elegantissima Improved.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen
Large plants.....\$1, \$1.50 and \$2 each
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Harrisii.

A dwarf type of the Nephrolepis Harrisii and excellent in all sizes from 4-inch up.

2½-inch pots.....\$3 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 and \$15 per dozen

Nephrolepis Bostoniensis Wm. K. Harris.

The finest variety for large plants being a great improvement over the old Boston.

2½-inch pots.....\$8 per 100; \$75 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$12 and \$15 per dozen
8-inch pots.....\$2, \$2.50, \$3, \$4, \$5 and \$7.50 each

Nephrolepis Bostoniensis.

4-inch pots.....\$20 per 100
6-inch pots.....\$45 per 100

Nephrolepis Glatrasii—New.

Sport of Nephrolepis Bostoniensis. This variety is beautiful in a small plant and will prove a valuable addition as a small fern for pans, etc.
6-inch pots.....\$75 per 100
8-inch pots.....\$15 and \$18 per dozen

Nephrolepis Scottii.

Our stock is in superb condition.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots, heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
8-inch, ¾ pots, very heavy.....

.....\$15 and \$18 per dozen
10-inch, ¾ pots.....\$18 per dozen
11-inch tubs.....\$2, \$2.50 and \$3 each

Nephrolepis Amerpohlii.

Philadelphia Lace Fern. Beautiful in all sizes up to 6-inch pot.

4-inch pots.....\$20 per 100
6-inch pots.....\$6 and \$9 per dozen

Nephrolepis Smithii

The greatly improved Amerpohlii.

The above variety is a greatly improved Amerpohlii. It is a compact form, much finer than Amerpohlii and does not break down in the center. The fronds are carried on wiry

stems. This variety will have a wonderful sale up to a 6-inch pot, being particularly showy for basket work.

2½-inch pots.....\$15 per 100; \$125 per 1000
4-inch pots.....\$35 per 100

Asparagus Plumosus Nanus.

3-inch pots.....\$7 per 100; \$65 per 1000

Adiantum Hybridum.

The best variety for either a pot plant or for cut fronds.

3-inch pots, heavy.....\$10 per 100; \$90 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen; \$90 per 100

Nephrolepis Todeaoides—London Fern.

A good, strong grower and one we think very highly of.

2½-inch pots.....\$5 per 100; \$45 per 1000
4-inch pots.....\$20 per 100; \$180 per 1000
6-inch pots.....\$50 per 100
8-inch pots.....\$12 per dozen
9-in. and 10-in. tubs.....\$18, \$24 and \$36 per dozen

Nephrolepis Scholzei.

This is an ideal crested fern, holding the same relation to all other crested varieties that the Scottii holds to the old Boston.

2½-inch pots.....\$6 per 100; \$50 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$6 per dozen; \$45 per 100
6-inch pots, very heavy.....\$9 per dozen; \$70 per 100
8-inch, ¾ pots.....\$12 per dozen; \$90 per 100
10-inch, ¾ pots.....\$18 and \$24 per dozen

Nephrolepis Elegantissima Compacta

A dwarf compact form of Nephrolepis Elegantissima, each plant making an ideal shape.
2½-inch pots.....\$6 per 100; \$50 per 1000
6-inch pots.....\$6 per dozen; \$45 per 100
8-inch pots.....\$12 per dozen

LET US SEND YOU A SAMPLE LOT. WE GUARANTEE SATISFACTION

ROBERT CRAIG CO.

49th and Market Sts.,

PHILADELPHIA, PA.

FIELD GROWN

CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA

BOXWOOD.

Our Importation Is Due. Order at once for shipment immediately on receipt.



Window Box, 36 in. long, planted with 10 plants of Bush Box, 12 to 15 in. size.

Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs, we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair
2½ ft. high.....	\$2 00	\$3 75
3 ft. high.....	2 50	4 50
3½ ft. high.....	3 50	6 00
4 ft. high.....	4 50	8 00

Globe Shaped.

	Each	Pair
15 in. high, 15 in. in diameter.....	\$2 25	\$4 00
18 in. high, 18 in. in diameter.....	2 75	5 00

Bush Shaped.

	Each	Doz.	100
12 in.	\$0 35	\$3 60	\$25 00
18 in.	60	6 50	
24 in.	1 00	10 00	
30 in.	2 50	per pair, \$4 50	
36 in.	3 50	per pair, 6 00	

Standard or Tree Shaped.

	Each	Pair
18-26-in. stem, 18-in. crown.....	\$3 00	\$5 00

CHICAGO
31-33 W. Randolph St. Vaughan's Seed Store,

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK
25 Barclay St.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.
Mention the American Florist when writing

Index to Advertisers.

Addams, Morgan & Co. 817	Eyres H G. 815	Martin J G & Co. 839	Ready Reference... 831	Valentine Frank... 813	Western Seed & Irrigation Co. 820
Advance Co The. 839 840	Fish Henry Seed Co 821	Masur S. 813	Randolph & Mc Clements... 816 836	Vaughan A L & Co. 803	Wietor Bros. 800 807
Alpha Floral Co. 813	Florists' Hall Assn. 835	May & Co L L. 811	Reed & Keller 838	Vaughan's Seed Store I III 820 827 829 836	Wilks S Mfg Co. 835
American Spawm Co. 822	Florists Tel. Delv. 814	Meconi Paul 811	Regan Ptg House ... 839	Vestals. 816	Williams Mrs E A. 816
American Wooden Ware Mfg Co. III	Foley Mfg Co. IV	Metropolitan Mfg Co 838	Reid Edw. 808	Vick's Sons Jas. 821	Wilson R G. 813
Amling E C Co. 807	Ford M C. 811	Mette Henry 822	Reinberg Geo. 807	Vincent R Jr. I 822	Winandy M & Co. 830
Anderson S A. 813	Ford M C. 811	Meyer John C & Co. 812	Reinberg Peter. 802	Virgin N J. 816	Wittbold G Co. 813
Andorra Nurseries. 829	Fraser Samuel. 824	Michigan Cut Flower Exchange. 812	Rice Bros. 808	Wagner Park Cons. III	Wittbold Henry. 807
Angermueller G H. 808	Freeman Mrs J B. 816	Miller E S. 819	Rice & Co. M. 812	Walker F A & Co. 816	Wolfskill Bros & Morris Goldenson 815
Aspbine Mfg Co. 838	Freeman & Sons. 839	Moninger J C Co. IV	Rodinson J C Seed Co 821	Ward & Co. R M. I	Wood B. 820
Aspbine Godfrey. 826	Froment H E. 811	Montreal Floral Ex. 809	Rock W L Co. 814	Weber F H. 816	Yokohama Nurs Co. 821
Atlanta Floral Co. 816	Galvin Thos F. 815	Moore, Hentz & Nasb. 811	Rohrert Seed Co. 824	Weeber & Don. 820	Young A L & Co. 811
Auburndale Gold Fish Co. 805	Garland G M. 835	Morehead Mfg Co. 840	Routzahn Seed Co. 820	Weiland & Risch. 807	Young & Nugent. 813
Bader Jno & Co. 829	Gasser J M Co. 815	Mt Gilead Pottery Co. III	Rusch G & Co. 808	Welch Bros. 809	Zech & Mann. 807
Badgley Reidel & Meyer, Inc. 811	Geny Bros. 816	Munk Floral Co. 808	Saakes O C. 815	Wertheimer Bros. II	
Barrows H H & Son 820	Giblin & Co. 840	Murray Samuel. 814	Saltford Flower Shop 816		
Bassett & Washburn 798 822 827	Gillies Litho & Print Co. 824	Myers Florist. 816	Scheel F F. 817		
Bayersdorfer H. 835	Gladioli Specialty Assn. 827	Nat Flo B of Trade. 836	Schiller, the Florist. 816		
Beaven E A. 812	Gorham & Chapline 835	N Y Cut Flower Ex. 811	Schillo Adam. 840		
Benard G. 824	Grand Rapids Flower Co. 815	Niessen Leo Co. 809	Schlatter W & Son. 830		
Berger Bros. 808	Growers Cut Flower Co. 811	Northern Michigan Evergreen Nurs. 812	Schling Max. 816		
Berning H G. 808	Gude Bros. 814	Oechslein Frank. 820	Schmidt J C. 826		
Berterman Bros Co. 814	Gunther Bros. 811	Oklahoma Seed Gro Co. 821	Schultz Jacob. 814		
Black Chas. 820	Habermann Chas. 816	Palmer W J & Son. 814	Scott John. 829		
Bobbink & Atkins. 824	Hammond's Paint & Slug Shot Wks. 837	Park Floral Co. 814	Seattle Cut Flo Ex. 809		
Boddington A T. 820	Hatch, Florist. 816	Peacock Dahlia Fms 817	Shaffer Geo C. 815		
Bodger J & Sons Co. 821	Haven Seed Co The 821	Pedrick Geo & Son. 819	Sharpe Chas & Co. 819		
Boland J B Co. 813	Heacock Jos Co. 817	Pennock-Meehan Co 811	Sharp, Partridge & Co. 836		
Boligiano J & Sons. 820	Heil John & Son. 813	Penn the Florist. 814	Sheridan W F. 811		
Bowe M A. 815	Henderson A & Co. 824	Peters & Reed Poty III	Situation & Wants. 797		
Braslan Seed Grow Co. 818	Herr Albert M. 817	Peterson & Sons J A I	Skidelsky S S & Co. 819		
Breitmeyer's J Sons. 814	Herrmann A. 840	Pierce F O Co. 840	Smith A W & Co. 815		
Brown Alfred J Seed Co. 818	Hess & Swoboda. 816	Pierson A N (Inc). 810	Smith E D & Co. 838		
Brown Bag Filling Machine Co. 819	Hesse & Co. 821	Pierson F R Co. I 828	Smith & Hemenway 839		
Bruns H N. 819	Hews A H & Co. III	Pierson U-Bar Co. 838	Smith Henry. 815		
Buckbee H W. 816	Hilfinger Bros. III	Pieters & Wheeler Seed Co. 818	Smith P J. 811		
Budlong J A. 801	Hines E Lumber Co 838	Pillsbury I L. 830	Smith Wm C. 808		
Burnett Bros. II	Hitchings & Co. 839	Pinkston Jas E. 812	Smith W & T Co. I		
Burpee W A & Co. 820	Hoerber Bros. 807	Pittsburg Cut Flo Co 809	Stearns Lumber Co. 836		
Byer Bros. 817	Hoffman Flo Artist. 815	Podesta & Baldocchi 815	Stoothoff H A Co. 838		
Caldwell the Woodsman Co. 812	Hoffmeister Flo Co. 819	Poehlmann Bros Co. 799 823	Storrs & Harrison. 824		
California Seed Grow Assn. 818	Holm & Olson. 814	Pollworth CCCO. 815	Superior Machine & Boiler Works. 837		
Campbell A B. 826	Holton & Hunkel Co 808	Pulverized Manure Co. 838	Syracuse Pottery Co III		
Camp Conduit Co. 838	Home Car School. 836	Quaker City Machine Works. 830	Taylor Steam Trap Co. 840		
Chicago Carn Co. I 827	Hooker H M Co. 835	Raedlein Basket Co 802	Texas Seed & Flower Co. 813		
Chicago Flower Growers Assn. 803	Hunt E H. 840	Ramsburg. 820	Thompson Car Co. 826		
Chicago House Wrecking Co. 836	Hurff Edgar F. 821	Randall A L Co. 807	Thorburn J M & Co 821		
Clark E B Seed Co. 820	Igoe Bros. 830	Rawlings Elmer. 817	Tong & Weeks. 824		
Clark's Sons David. 815	Illinois Pipe Mfg Co. 835		Totty Chas H. 809 829		
Cleveland Cut Flower Co. 815	International Heater Co. 839		Traendly & Schenck 811		
Conard & Jones. 828	Isbell S M & Co. 819		Trimble W E Greenhouse Co. 807		
Cooke Geo H. 813	Jackson & Perkins. 828				
Cotsonas Geo & Co. 812	Johnson J Oliver. 821				
Cowee W J. 840	Johnson WW & Son 821				
Coy H C Seed Co. 820	Jones Percy. 798				
Craig Robt Co. 829	Kasting W F Co. 809				
Critchell C E. 809	Keller Geo & Sons. III				
Cross Eli. 822	Keller J B & Sons. 816				
Crumpp Frank F. 814	Kellogg Geo M. 813				
Cunningham Jos H. 822	Kelway & Son. 819				
Dabnfeldt L. 822	Kennicott Bros. 806				
Daniels & Fisher. 815	Kervan Co The. 811				
Dards Chas. 814	Kessler W A. 811				
Day. 812	Kift Robt. 815				
Deamud J B Co. 816	Kimball O A Co. 812				
De Giorgi Bros. 820	King Construct Co. 837				
DesPlaines Flor Co 817	Kohr A F. III				
Detroit Flower Pot Mfg. III	Kramer I N & Son. 838				
Dietsch A & Co. IV	Kroeschell Bros Co. 836				
Diller Caskey & Keen. 837	Kruchten John. 807				
Dillon J L. 828	Kuehn C A. 808				
Dingee & Conard Co. 829	Kuhl Geo A. 817				
Domoto Bros. 800	Kyle & Foerster. 807				
Dorner F & Sons. 827	Lacrosse Floral Co. 816				
Dreer H A. III 825 836	Lager & Hurrell. I				
Duerr Chas A. 816	Lange A. 813				
Dunlop John H. 815	Landreth Seed Co. II				
Dwelle-Kaiser Co The. 836	Law's Nurseries. 824				
Eagle Machine Wks 839	Lecakes N L & Co. 811				
Edwards Folding Box. 830	Lederer John. 839				
Elk Galax & Fern Co. 812	Leedle Floral Co. 828				
Emmans Geo M. 827	Leclache Emil. 809				
Erie Floral Co. I	Leonard Seed Co. 819				
Erne & Klingel. 805	Lochner & Co. 822				
Esperance L Nurs. 821	McCallum Co. 809				
	McConnell Alex. 813				
	McCoy L W. 816				
	McCullough's J M Sons Co. 809				
	McHutchinson & Co 821				
	McKellar Chas W. 807				
	McKenna P & Son. 815				
	Mangel. 813				
	Mann Otto. II				



Mention the American Florist when writing



No loss if you mend your split carnations with
Superior Carnation STAPLES
50c per 1000 postpaid.
Wm. Schlatter & Son,



BEFORE 422 Main St., Springfield, Mass. AFTER

Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St. BROOKLYN, N. Y.



Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898.

2000 for \$1.00 postpaid.

I. L. PILLSBURY,

Galesburg, Ill.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
Richmond, Ind.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, \$1.50.**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, \$1.50.**

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias. Poehlmann Bros. Co., Morton Grove, Ill.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2-in., \$1 per doz.; \$7 per 100. Sprenger and Plumosus, 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprenger, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus, 2½-in., 2c; 3-in., 3c. Sprenger, 2½-in., 1½c; 3-in., 2½c. Samuel Whitton, Utica, N. Y.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus plumosus, strong, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf. Variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

AZALEAS.

Azalea indica, Deutsche Perle, Simon Mardner, Mme. Petrick, Verveneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas for Xmas in bloom, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Gloire de Lorraine and Lonsdale, 4-in., 30c to 35c. Glory of Cincinnati, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire Lorraine, 5-in., \$35 per 100. Erie Floral Co., Erie, Pa.

Begonia Cincinnati, 35c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Gladolus, Blushing Bride, The Bride, 75c per 100; \$6 per 1,000. Peachblossom, \$1.10 per 100; \$9 per 1,000. A Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, Horseshoe Brand Lillium Harrisli. For prices see advertisement elsewhere in this issue. Ralph M. Ward & Co., New York.

Bulbs, Freesia refracta alba, extra large, 75c per 100; \$6.75 per 1,000; mammoth bulbs, \$1 per 100; \$9 per 1,000. Lillium Harrisli, 6-7 ins., 75c per doz.; \$3.50 per 100. James Vick's Sons, Rochester, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Lillium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Lillium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs, Gladioli Specialty Association, Old Point Comfort, Va.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

CANNAS, individual field clumps, Cinnabar, cinnamon red; Sec. Chabanne, salmon red; Robusta, bronze foliage, \$7.50 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$10 per 100. Mixed reds, salmon, etc., \$7 per 100. WAGNER PARK CONSERVATORIES, SIDNEY, O.

Canna rhizomes, \$4 per 100; Dwarf Florence Vaughan, Chas. Henderson, Mlle. Beraf, F. Vaughan, Allemania, Chicago, Alsace, Beaute Poitevine. Austria Express, mixed, \$3 per 100.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.		
	100	1,000
Light Pink Enchantress	\$7.00	\$60.00
White Enchantress	7.00	60.00
Rose-pink Enchantress	7.00	60.00
Lawson Enchantress	7.00	60.00
Norwood, better than Perfection	7.00	60.00
Dorothy Gordon	8.00	75.00
Beacon	7.00	60.00
Victory	8.00	75.00
White Perfection	8.00	75.00
Lady Bountiful	6.00	55.00
Harlowarden	7.00	60.00
Sangamo	6.00	55.00
Alvina	6.00	55.00
May Day	6.00	55.00

All the above plants are in fine condition, clean, thrifty and vigorous, guaranteed in every way. We will ship plants C. O. D. with privilege of examination, and if stock is not satisfactory, they may be returned. You can depend on the quality being O. K., or we would not make this offer. Cash with order or C. O. D., H. P. KLEINHANS, 66 Centre Square, Easton, Pa.

FIELD-GROWN CARNATION PLANTS.		
	Per 100	Per 1,000
Enchantress	\$3.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.		
	Per 100	Per 1,000
500 Enchantress	\$5.00	
Washington	5.00	\$40.00
Beacon	5.00	40.00
White Enchantress	5.00	40.00
Dorothy Gordon	5.00	40.00
Sangamo	4.00	30.00
May Day	4.00	30.00

Cash With Order.
HENRY C. BLEWITT, Des Plaines, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CARNATIONS, FIELD-GROWN.

	Per 100	Per 1,000
Enchantress.....	\$6.00	\$50.00
White Enchantress.....	6.00	50.00
Rose Pink Enchantress.....	6.00	50.00
Norwood.....	6.00	50.00

ESPECIALLY FINE ROSE PINK FIELD-GROWN PLANTS, 20 TO 25 SHOOTS.

J. D. THOMPSON CARNATION CO.,
JOLIET, ILL.

FIELD-GROWN CARNATION PLANTS.
Clean, well grown and healthy.**ORDER NOW.**

	Per 100	Per 1,000
White Enchantress.....	\$6.00	\$50.00
Enchantress.....	6.00	50.00
C. W. Ward.....	6.00	50.00
Pink Delight.....	6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

Carnations, all plants guaranteed satisfactory, 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnations, field-grown, strong, bushy, fibrous roots. R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, field-grown, Brooklyn, \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, Pink Delight, C. W. Ward, \$3 per 100. Erie Floral Co., Erie, Pa.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants; chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Chrysanthemums, stock plants. Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Pompons, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100; 3-in., \$3.50 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis Jackman, 5-in., 35c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus Brillancy, 3-in., 75c per doz.; \$4 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

Cyclamen, 4-in. to 7-in., 20c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS.

Dahlia roots. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dablias, individual field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$5 per 100. Grand Duke Alexis, white; A. D. Livoni, pink; \$8 per 100. Black Beauty, maroon, \$3.50 per 100. Mixed, all good colors, \$3 per 100. WAGNER PARK CONSERVATORIES, SIDNEY, O.

DAISIES.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Daisies, yellow, 3-in., 8c; 5-in., 20c. Randolph & McClements, Pittsburg, Pa.

DRACAENAS.

Dracena indivisa, mne, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Dracena Massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Whitman, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scotti, 4-in., 20c; 5-in., 35c; 5½ and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholze, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger sizes, \$2, \$2.50 and up, each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BOSTON FERNS.

5-inch splendid stock, 20c and 25c, ready for 6-inch.

EDW. DOEGE COMPANY.

4344 N. Springfield Ave., Chicago, Ill.

Ferns, Boston, 5-in., 12c; Whitman, 4-in., 10c; 6-in., 12c; Amerpohl, 4-in., 12c; 5-in., 15c. Scholze, 3-in., 8c; 4-in., 12c. Byer Bros., Chambersburg, Pa.

Ferns, 4-in. Boston, 10c each. Bench grown Roosevelt, ready for 4 and 5-in., 15c. Addams, Morgan & Co., Paxton, Ill.

Ferns, Boston, Whitman, Scholze; from bench 10c and 15c; 5 and 6-in. Boston and Scholze, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Amerpohl, 4-in., \$15 per 100. Whitman, 4-in., \$15 per 100; 3-in., \$8 per 100; 2-in., \$5 per 100. Elegantissima 2-in., \$4 per 100. Randolph & McClements, Pittsburg, Pa.

Cibotium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, \$3 per 100; 3-in., 25c each; \$3 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in. pots, 50c per doz.; \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son Whitman, Mass.

Cibotium Schiedel, 6-8-in., \$1.50; \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Nephrolepis Amerpohl, 4½-in., \$12 per 100. Nick Pontrich, 608 E. Ormsby Ave., Louisville, Ky.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 4-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1 each. Ficus pandurata, 7-8-in., \$2.50 and \$3.50 each. Ficus repens, climbing, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Rubber plants, 6-in., 50c to 75c each. Ficus pandurata, 3 feet, \$2.50 each; 5 feet, \$4 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, Belgium or American stock. 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.**GERANIUMS.**

Select, well rooted cuttings, only. BUCHNER and SALLEROL ready Nov. 1st. S. A. NUTT and BUCHNER, ready Nov. 20th. \$1.25 per 100; \$10 per 1,000. Order now.

Send 10c for sample.

EDW. DOEGE COMPANY.

4344 N. Springfield Ave., Chicago, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill. Freres, D. E., Chicago.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Viaud, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Hanners Elk, N. C.

Dessert holly, crates 2x2x2½ ft., f. o. b. Armargosa, \$5. Sample, 50c and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hardy perennial phlox. For varieties and prices, see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangea Otaksa, strong field-grown plants, 1 to 3 shoots, \$6 per 100; 3 to 4 shoots, \$8 per 100; 4 to 6 shoots, \$12 per 100. P. S. Randolph & Sons, R. D. 1, Verona, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 7 to 10 shoots, \$25 per 100; 5 to 6 shoots, \$20; 3 to 4 shoots, \$15. Jackson & Perkins Co., Newark, New York.

Hydrangeas for forcing, 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Remison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley from cold storage, Bruns' Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

Deutzia gracilis, 8-in. pot-grown, 70 to 80 branches 30c each; \$3 per doz.; \$20 per 100. Specimen fruit trees. Vaughan's Seed Store, Chicago and New York.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., 75c each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 each; \$24 per doz.; 7-in., \$2.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, \$1.50, \$3, \$4 and \$5 each. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For sizes and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants. Oct. 1st. 50c per 100; \$2.50 per 1,000. Seed. giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. W. & T. Smith Co. Geneva, N. Y.

PEPPERS.

Christmas and New Cluster peppers, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Christmas and New Celestial (Cluster) peppers, extra strong, 2-in., \$2 per 100. Rober & Radke, Maywood, Ill.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias in pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$6 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primula Obconica Giant Monarch Firebrand, new scarlet; Bride, new shell pink, ready for 4-in. pots, \$4 per 100. Extras. Cash. John F. Rupp, Ruparka, Shiremanstown, Pa.

Miller's Giant Obconica Primulas, 3-in., \$4 per 100. Chinese, 3-in., \$4 per 100. Malacoides, the big baby primula, 3-in., \$4 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese and Obconica, 2½-in., 1¼c; 3-in., 2¼c; 4-in., 6c. Samuel Whitton, Utica, N. Y.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Primula obconica grandis, 4-in., \$10 per 100. Chinnensis, Rupp strain, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula chinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz.; Obconica, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.25 per doz.; \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primulas, 2-in., Malacoides, Chinese, Forbestii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula obconica and Malacoides, in bloom, 25c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillington, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschendorf, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Rose Milady. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Rose Lady Hillington, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early Spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink	\$2.50	\$0.50
Begonia Gracilis luminosa, fin't red	2.50	.50
Begonia Triumph, finest white.....	2.50	.50
O. V. Zangen,		Hoboken, N. J.

Tomato Davy's Millionaire. Davy, Arpaion (S. & O.), France. A. Bachelot, traveling Representative in America, Care American Express Co., 65 Broadway, N. Y.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, cauliflower, cabbage and root seeds. Hjalmar Hartmann & Co., Copenhagen, Denmark. Loechner & Co., 11 Warren St., New York, sole agent for U. S. and Canada.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, new culinary peas, Sharpe's Marchioness, Sharpe's Vanguard, Sharpe's Tallisman. Trade prices on application. Charles Sharpe & Co., Ltd., Sleaford, England.

Seeds, Cabbage, Cauliflower, Mangel, Rutabagas, etc. L. Drebnfeldt, Odense, Denmark.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Seed, pansy, 1,000 seeds, 25c; oz., \$2.25. H. Wrede, Luneburg, Germany.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, 34 per oz. Jos. H. Cunningham, Delaware, O.

Seeds, James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnæus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

Vincas, variegated, extra fine large field clumps ready to deliver, \$4 per 100. Brus Bros., 400 Main St., Kansas City, Mo.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Violets, field clumps, Princess of Wales, \$4.50 per 100. Lady Campbell, \$4. A. B. Campbell, Cochranville, Pa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

Violets, Gov. Herrick, field-grown, \$3 per 100; 2½ in., 2c. Byer Bros., Chambersburg, Pa.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilizer. 10 lbs., \$3; 25 lbs., \$8; 50 lbs., \$10; sample pkts., ½ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152. Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5036 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Peerless glass repair clamps. Box of 100, \$1. A. Klokner, Wauwatosa, Wis.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastic for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

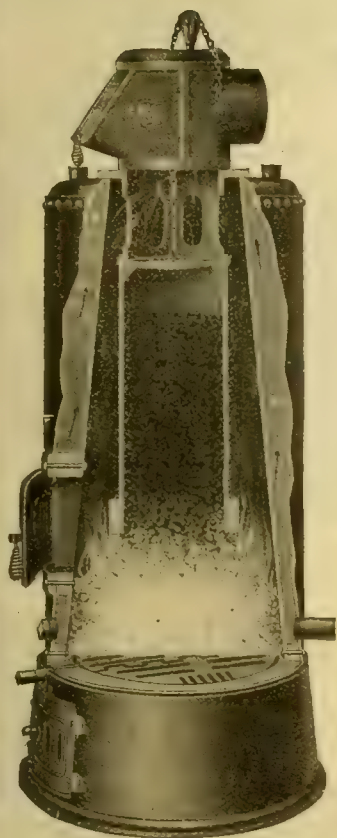
WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Reidel & Meyer, Inc., New York.
Basset & Washburn, Chicago.
Berger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Denmud Co., J. B., Chicago.
Domoto Bros., San Francisco, Calif.
Froment, H. E., New York.
Growers' Cut Flower Co., New York.
Gunther Bros., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kylie & Forster, Chicago.
Leakes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Mocon, Paul, New York.
Montreal Floral Exchange, Ltd., Montreal, P. Q.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Poehlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reid, Edward, Philadelphia, Pa.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, P. J., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Juliet, Ill.
Totty, Chas. H., Madison, N. J.
Trenndly & Schenck, New York.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wielor Bros., Chicago.
Witthold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



COLD WEATHER

Does not bother the Florist
who uses the

Wilks Hot Water Boilers

MADE ENTIRELY OF STEEL.

Marietta, Pa., January 27, 1910.

S. WILKS MFG. CO.,
CHICAGO, ILL.

Dear Sirs:—I am so well pleased with the self-feeding boiler I bought of you last Fall, that I feel it is my duty to tell you so. It is heating 400 ft. of 2-inch pipe O. K. I have had the time, also the zero weather, to give it a good test and it proved all you claim for it. I did not lose a minute's sleep this Winter so far. I fill up the magazine about 9 o'clock in the evening and never look after it till 5 or 6 o'clock next morning and always find the fire in good shape.

Yours truly,

EDWIN F. CAMPBELL.

SEND FOR CATALOGUE AND PRICES

S. WILKS MFG. CO. 3503 Shields Ave.,
Chicago, Ill.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

H. BAYERSDORFER & CO.



1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

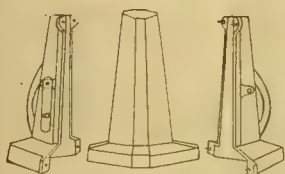
The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

Just the Thing



you have been looking for. A post that you will not have to replace year by year, with the cost and trouble of remodeling your benches each time. You can make "concrete bench posts" with a "GARLAND'S POST MOULD" as easy as your wife makes cookies with a cookie cutter.

Write for Prices on this Mould Today.

GEO. M. GARLAND CO., Lock Box S, Des Plaines, Ill.

GREENHOUSES:
 MATERIAL FURNISHED
 AND
 MEN TO SUPERINTEND
 ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 32 FT. OR LONGER.
THE A. T. STEARNS LUMBER CO.,
 NEWBURYPORT, BOSTON, MASS.

**Dreer's Peerless
 Glazing Points
 For Greenhouses**

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.
HENRY A. DREER,
 714 Chestnut Street,
 Philadelphia.

**FULL
 SIZE
 No 2**

Mention the American Florist when writing

Landscape Gardening

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
 Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade
 56 PINE STREET : : NEW YORK

Trade Directory
 OF THE
 United States and Canada
 Price \$3.00 Postpaid.
American Florist Co.,
 440 S. Dearborn St. CHICAGO.

ORDER NOW

KROESCHELL HOT WATER BOILERS

NOT CAST IRON

**Has Thin Water Ways
 Vertical Circulation
 The Longest Fire Travel
 Heats Quick, Easy to Clean
 More Direct Surface than
 any Other Boiler**

**NO SECTIONS
 EASY TO SET UP
 Made of Boiler Plate
 Absolutely Safe
 CANNOT CRACK**

The Quickest Water Heater in the World
 INSTALLED FOR
 10,788,000 square feet of glass
 during the past 5 years
GET A KROESCHELL
THEY ARE SAFE

WILL SHIP WHEN WANTED

KROESCHELL BROS. CO. 452 WESTERIE ST. CHICAGO, ILLINOIS.

PAY AFTER BOILER REACHES YOU

WE ARE SPECIALISTS IN

**Greenhouse Glass
 Paints & Putty**

BUFFALO WHITE (Semi-Paste)
 Most Perfect White Paint Made.
 Be sure to get our estimates.

THE DWELLE-KAISER CO.
 338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:
 80 N. Allen Street, Albany, N. Y.
 Cutler Building, Rochester, N. Y.
 20 State Street, Erie, Pa.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,
 Phone Canal 880
 22nd and Lumber St. CHICAGO

**VAUGHAN'S
 PERFECTION
 POINT**

No. 2. Large single thick glass.
 No. 2½. Double thick.
 Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.

VAUGHAN'S SEED STORE
 Chicago, New York

This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
 4C12003, with arms, price \$5.65
 Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
 We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.
 Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
 CHICAGO, ILL.

SIEBERT'S ZINC
 Never Rust
 GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and 1½. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
 5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

Hammond's Thrip Juice No. 2

**For the Destruction of Sucking Insects and Caterpillars,
Slugs, Aphides, Red Spider and Mealy Bug.**



In 1883, twenty-nine years ago, we made this preparation for the use of a grape grower, Mr. Floyd Quick, of Fishkill, N. Y.

The Thrip is one of the most bothersome of insect pests, because the moment the plant is touched, off goes the Thrip.

Thrip Juice No. 2 is diluted for general use thirty to forty times with water. The late Isaac Wood, Florist, of Fishkill, N. Y., used it for Mealy Bug and Red Spider. This article was purchased by a druggist in Jacksonville, Florida, the late Dr. James A. Farley, who was Secretary of the Board of Trade. He found it effective against the Orange Scale. Upon trial in Florida we changed the formula, making another grade, which is Thrip Juice No. 1, and is arsenicated. This was tried out in Lake County, Florida, twenty-five years ago, and has been in use there yearly ever since. This Thrip Juice No. 1, by the growers, is used with a very great dilution. It is exported to the West Indies.

No. 2 Thrip Juice has been in use for twenty-nine years. The past two years there has been a steadily increasing demand, as it is becoming better known. If any Florist wishes to test **Thrip Juice No. 2**, and will pay the expressage, we will send him a sample for trial, because we know there is "No Magic in Killing Bugs," and it is the general average of success that proves the practical lasting value of any article.

Hammond's Paint & Slug Shot Works

Established 1875.

FISHKILL-ON-HUDSON, N. Y.



Hot-Bed Sash, Too.

KING Greenhouses

**LIGHT,
STRONG,
LASTING.**

The Three Prime Qualities.

**Iron Frame,
Semi-Iron Frame,
Private Conservatories.**

All well designed and of the
BEST MATERIAL.

Don't fail to get that kind.

*Write for Bulletins and
Question Blank.*

King Construction Co.,

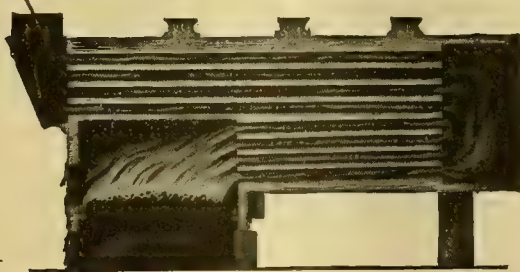
Home Office and Works:
NORTH TONAWANDA, N. Y.

Boston Office:
Winthrop Bldg., 7 Water Street,
BOSTON, MASS.

Eastern Sales Office:
1181 Broadway, NEW YORK

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

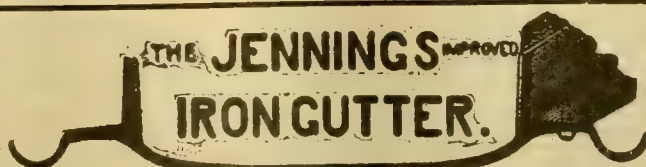
Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING
APPARATUS**

Aphine

The Insecticide that
kills plant Lice
of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Green Flies and
Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STODOLFF CO., MOUNT VERNON, N. Y.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

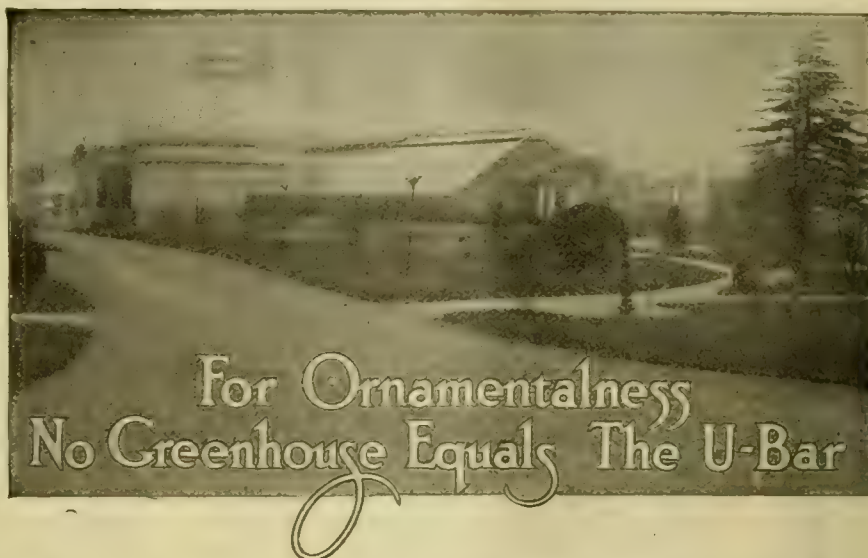


Pulverized or Shredded
Cattle Manure

Pulverized
Sheep Manure

Unequalled for Greenhouse Fertilizing.
Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago



For Ornamentality
No Greenhouse Equals The U-Bar



This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalogue and find out just why.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK.

CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

Mention the American Florist when writing

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottoms and Sides.

Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Mention the American Florist when writing

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price. \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

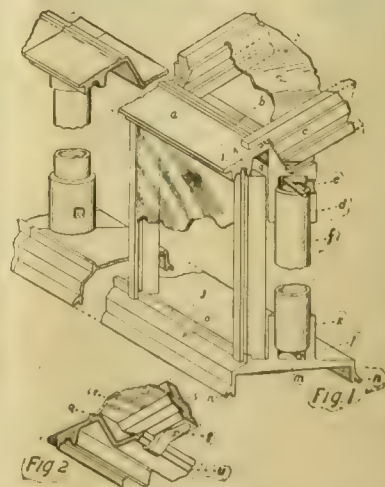
EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

Metropolitan Material Co.

PATENT IRON SIDE WALL
CONSTRUCTION



With a little extra cost above wood anyone can have an iron-wall greenhouse by bolting the different pieces together and securing roof bars for any size glass with the clips.

The above is only one of the many latest and up-to-date materials we have. Get our prices on Greenhouse Louisiana Cypress material, heating, ventilating, bench materials, hotbed sash, etc.

1396-1410 Metropolitan Avenue,
BROOKLYN, N. Y.

Mention the American Florist when writing

Here's Progress.

The first house Mr. Mabie, of Maywood, N. J., built, he bought the materials of half a dozen different concerns. The next was our Half Iron Frame construction. The last a Full Iron Frame one with all the materials for the complete house

bought of and erected by the one concern. We were that one.

In that new Commercial Greenhouse Catalog of ours, you will get the story in detail, as well as both constructions fully described and illustrated.

Hitchings & Co., Elizabeth,
New Jersey.

SPECIAL OFFER

That every one may know the superior qualities of the

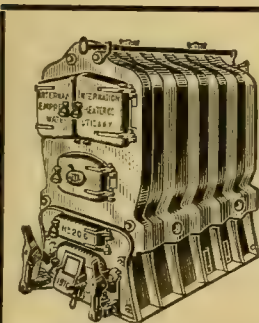
Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., Cash to accompany the order, one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing



Describe a First-Class Greenhouse Boiler.

Fuel capacity for the longest winter.

Simple enough to be fool proof and conservatively rated.

That is the INTERNATIONAL Empress Boiler to a dot.

If you haven't one already, write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

A "RED DEVIL" PLIER ESPECIALLY FOR YOU.



"Red Devil" No. 622

(We make "Red Devil" Glass Cutters. The kind you want.)

A little 4 inch drop forged steel tool that is far superior to a shears for cutting bouquet wires or any fine wire. It is tested to cut the finest silk insulation and is a plier you will appreciate. Its just one "Red Devil" tool you should have. Ask your hardware man for "Red Devil" No. 622, 4 inch. He has or will get it for you. If not send us his name and fifty cents and one only sample pair will be sent you postpaid.

Smith & Hemenway Co., 125 Chambers St.,
New York, U. S. A.

Peerless Refrigerators

Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing



Ventilating Apparatus that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.
Mention the American Florist when writing

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive manufacturers of the

"RICHMOND" GARNATION SUPPORT

Under Patent issued April 4th, 1911.

Write for prices; also on Rose and 'Mum Stakes.

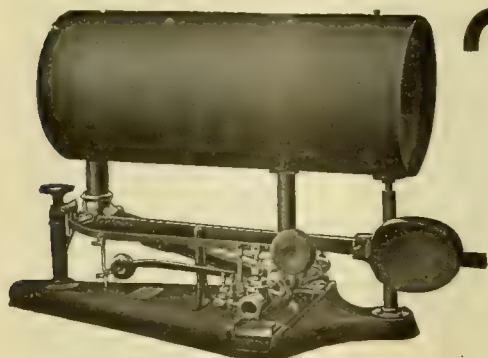
Mention the American Florist when writing

The Regan Printing House LARGE RUNS OF CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO
Mention the American Florist when writing



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of
place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept, "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

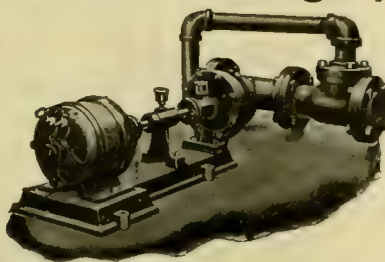
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value
of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.
Pecky cypress, because of its durability, is the only wood now being used
for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411



PIPE CARRIERS

We have a line that cannot be excelled. The
steel hook is neat, light, very strong and
stamped from the best sheet steel. The
prices are very reasonable.

Let us figure on your needs at least. How-
ever we know that a trial order will show you
that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND,
INDIANA

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, NOVEMBER 2, 1912.

No. 1274

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS.—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT.—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Rambler Roses.

The wood of the several rambler roses that are to be forced should be well ripened up. Those that have been grown in the open ground should be lifted and potted. The pot grown stock should be subjected to some freezing weather, but they should not be left out until the weather becomes severe enough to freeze the ground so that the pots become broken. A covering of leaves may be placed over the pots if the wood has not been thoroughly ripened, but they are better stored in deep pits or sheds, where the temperature may be kept just above the freezing point. The small twiggy wood should be cut out, leaving the strong canes and these should be tied to a stake and kept erect. This will greatly reduce the labor when moving them and allow for closer packing when they are packed away and besides prevent the branches from lying on the ground and becoming soft or perhaps causing rot, if too damp. The stock that is lifted and potted should be given a rich rose soil and potted firmly, ramming the soil down hard with a wooden stick. All roses require a firm soil to get the best results. The Baby Ramblers can be carried into the houses and brought into bloom for Christmas. A temperature of 60 degrees to 65 degrees should produce plants with bloom if started at once.

Outside Tulips.

The tulips should be planted in the beds as soon as possible from now on. It will do them no good to remain out of the soil, for they will lose some of their vitality. While we do not like to plant them out when the soil and weather are warm, yet October and early November is the proper time to get them in. There is danger now of the ground becoming frozen at any time and they should all be planted while the ground can be worked, for it is very difficult to set them even after a thin crust has formed on the soil. The covering can, however, be left until freezing weath-

er sets in, and, in fact, is better, for if the ground becomes frozen the bulbs will not make any top growth, which is likely to occur if covered now and kept too warm. Do not cover too deeply. The object of the covering is not to prevent the soil from freezing, but to prevent the alternate thawing and freezing that often occurs and which will in some cases throw the bulbs out of the soil altogether. Leaves three or four inches thick make the best covering, with boughs or boards laid across to prevent the winter winds from blowing them away.

Gladiolus Colvillei.

The winter blooming gladioli make a valuable addition to the late winter and spring flowers and are very useful as a cut flower or in all kinds of floral work. The blooms are much smaller than the Gladiolus Gandavensis and kindred kinds and can be artistically employed. The varieties grown are The Bride, white; Blushing Bride, white, tinged with pink, and Peach Blossom, light pink. The culture of these is very easy and by a succession of plantings the flowers may be had all through early spring up to June. The bulbs can be procured all at once and kept dry and cool, but do not leave them standing around in the room over the boilers or they will rapidly lose their vitality. They can be planted in deep flats and placed in an out-of-the-way place until they begin to grow, when they should be given a light location in a house with a temperature similar to that in which carnations are grown. The flowers will be larger and have more substance if grown cool, but it will take considerably longer to get them into bloom. Some growers plant these bulbs between the rows of the carnations or the violets, but our experience has been that it is far better to grow them in boxes by themselves, for the carnations will need all the nourishment in the soil if growing well, and if not, they as well as the violets when through blooming better be cleaned out and some other crop

Index to Advertisers,
Page 882

Ready Reference Advts.,
Page 883

Help and Situations Wanted,
Advertisements,
Page 849

planted and not have a crop mixed in which would delay the planting or occupying of the space. These gladioli will be found very useful and well appreciated by the best trade.

Otaheite Oranges.

The fruits of the Otaheite oranges are now fully formed and of good size, but to be at their best stage at Christmas, when the plant is most desired, they should be well colored. They should be given a light location, having plenty of sun, but not too warm. If grown too warm, the fruit colors up slowly: a temperature of 55 to 60 degrees at night, with good ventilation during the day from this time on will bring good results. Keep the plants free from scale, which rapidly covers them if once fully established and not kept off. Where they are seen constant washing will be required, and a weak kerosene emulsion is efficacious in keeping them down. When well fruited and the fruits nicely colored, these small orange trees make one of the finest Christmas plants.

Spiraea Japonica.

When the roots of spiraea arrive, do not leave them lying around in a dry state. This plant never does well if allowed to get too dry, even in a dormant stage, and every grower knows that one of the principal things in growing them is to keep them well supplied with water. Those that are to be grown for Easter are better potted at once and kept cool until the first of the year, but before potting soak the clumps well in a tub of water; then after potting water thoroughly and place in a cool, dark place. Those that are to be bloomed for Memorial day or late in spring can be left in the case, but turn the hose on them and give them a good soaking and then put them in a cool, damp cellar until late in winter, when they can be benched or potted as desired.

BOSTON, MASS.—The Boston Flower Exchange has leased the store and basement at 1 and 3 Winthrop square and 18 to 32 Otis street for a long term. The lease begins January 1, 1913. Extensive alterations will be made.

BROOKLINE, MASS.—Albert H. Wood, who shot and killed Thomas Goldrop while the latter was trying to steal flowers from Wood's greenhouse, was found criminally liable in a report of Justice Thomas F. Perkins, filed October 15.

KANSAS CITY, MO.—Mrs. Edward D. Ellsworth has purchased 74 shares of stock of the Rosery, a local flower business, which makes Mr. and Mrs. Ellsworth sole owners of the business and property. Extensive improvements are planned and in future the business will be directed from the Armour boulevard establishment.

PITTSBURG, PA.—The Pittsburgh Cut Flower Co. is preparing to build a clubhouse and dormitory for its employees at the firm's Bakerstown plant. The building will be of two stories, with sleeping quarters for about thirty-five men on the second floor and reading and writing rooms, shower bath, etc., on the first. About ninety men are employed at Bakerstown by this company and the new building is the result of poor boarding and rooming facilities in the neighborhood.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Some Matthews Designs.

At the funeral of the late Wilbur Wright, the brilliant young aviator and co-inventor with his brother of the Wright biplane, the floral tributes were many and some of them of beautiful design. From all over the country friends and business associates paid their last respects with gifts of flowers.

In a recent number and elsewhere in this issue are shown four designs by W. G. Matthews of Dayton, O., where Mr. Wright lived and where the funeral was held, which testify to the florist's talent for design work. All of the pieces are excellently done, the work of one who knew how to conform his artistic taste appropriately to the occasion.

In the issue of September 28, pages 574 and 575, there appear two of his designs worthy of note. The first represents the wheel of progress and the wing of aviation and is composed of carnations, White Killarney roses and sweet peas. The other is a wreath ordered by the School of Aviation, Washington, D. C., in token of its respect.

One of the designs shown in this issue is a wonderfully beautiful wreath

of galax leaves, orchids and lily of the valley. It is from the New York directors of the Wright factory. The other design is the first floral aeroplane ever made. It is an attempt by Mr. Matthews to meet the common desire for bizarre floral work and at the same time to make the piece as artistic as possible. It succeeds as well as any such attempt ever does and such faults as it has are due to the nature of the design ordered. It is composed of white carnations and Kaiserin roses with the ground of the design covered with asparagus plumosus. It is inscribed, "Our President," and on the small wreath are the words: "From the Factory." The piece measured 6x10 feet and Mr. Matthews is said to have received a good price for it.

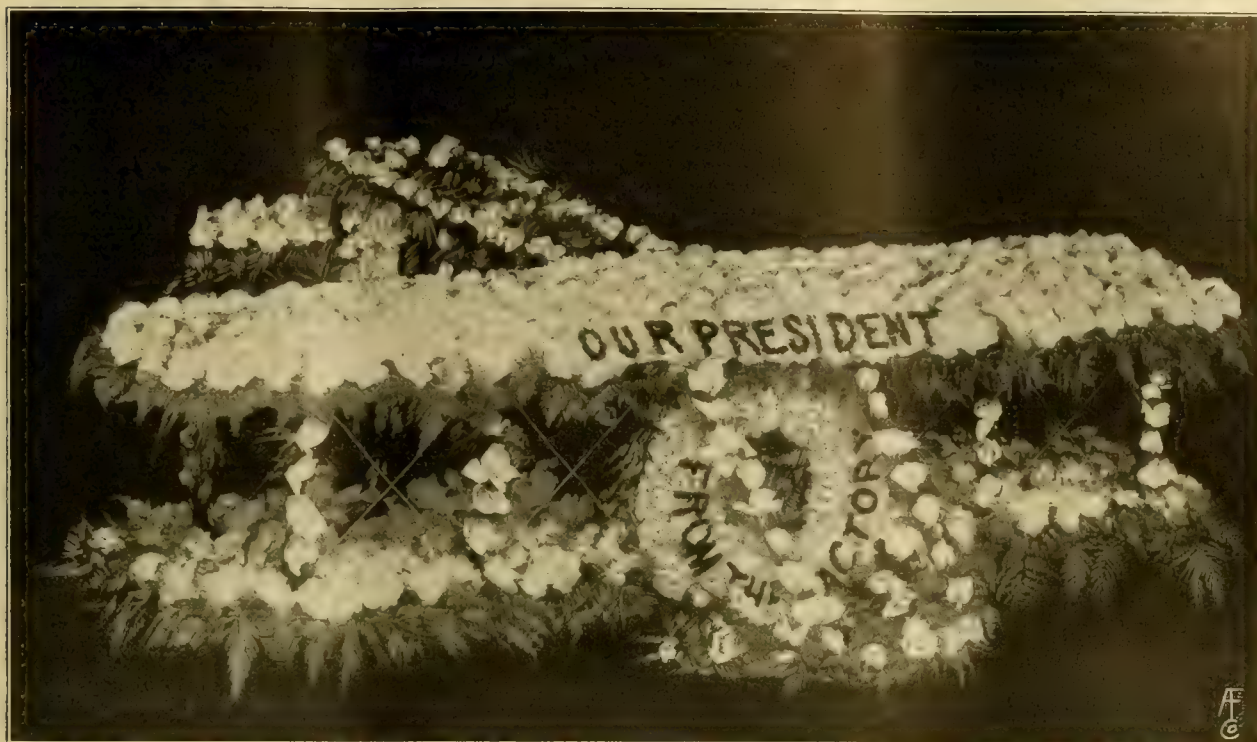
The Bull Frog Centerpiece.

The bull frog centerpiece will make a striking decoration if care is taken in the size and quantity of material used. Starting with the bull frogs—the wire frame should be graceful and about eight to ten inches in height. Make the frogs of clover leaves, the large kind found in the pink clovers; arrange the under body of the white clover. Place the frogs around a bed of green moss, in the center of which is a miniature pond of pond lilies. The pond should not be overcrowded with the lilies. A place in the center



FLORAL WREATH OF GALAX, ORCHIDS AND LILY OF THE VALLEY.

A Token From the New York Directors of the Wright Co., for the Funeral of Wilbur Wright. Design by Matthews, the Florist, Dayton, O.



THE FIRST FLORAL AEROPLANE.

Design by Matthews, the Florist, Dayton, O., for the Funeral of Wilbur Wright. White Carnations and Kaiserin Roses Were Used and the Ground of the Design Was Covered With Asparagus Plumosus. The Piece Was 6x10 Feet and Was Ordered by the Wright Factory.

could be filled with gold fish. Around the edge, bank a large full garland of pink clovers, combining it with maidenhair ferns, placing the ferns on the table as a flat finish. There should be about five frogs in all, and where they are, bunches of the very small pond lily leaf can be advantageously placed. The pond lilies should not tower above the frogs, and will look best if arranged in circle garland effect on the inner circle of the pond, thus allowing sufficient space for a gold fish effect in the center. The decoration when finished should be in the nature of a mound—a gradual slope. Full frog ornaments can be used as favors and green electric candlesticks where most effective. In place of the pink clover garland small trees can be made of the clovers and placed at the intervals between the frogs on the outer edge and finished at base with the small pond lily leaves or even the clover foliage would be more effective. The trees should be made solid of the pink clover blossoms only and should be placed in small green basket tubs. A. E. K.

ANACONDA, MONT.—The Butte Floral Co. of this place suffered a loss by water as a result of fire in adjoining buildings October 18.

PEORIA, ILL.—The will of the late James C. Murray has been probated. The entire estate is left to the widow who is also named executrix.

ST. PAUL, MINN.—The Merriam Park Floral Co. has been incorporated with a capital stock of \$25,000 by Max Kaiser, St. Paul, and Peter P. Quist and Nels O. Welander, Minneapolis.

SPRINGFIELD, O.—The following officers were re-elected at the October meeting of the Springfield Florists' Club: Christian Benning, president; C. A. Schaefer, vice-president; Arthur C. Leedle, secretary; Charles W. Unglaub, treasurer.

Sesame Culture in the South.

Sesame or benne plant (*Sesamum orientale* Linn.) is a native of India, and is now being cultivated in nearly all tropical and semi-tropical regions of the world. The plant is a hairy, sticky annual, about three feet high, and produces an abundance of small, flat, pear-shaped seeds. It was first introduced into the United States before the middle of the seventeenth century, says the Scientific American, and was cultivated successfully as far north as Burlington, New Jersey. It ripens its seed in most of the Middle States. Sesame is admirably adapted to the dry soil in the southern part of the United States, Mexico, Central America, Colombia, British Guiana, and other parts of South America. Within a comparatively few years its culture has been undertaken in Germany, France, and England. In Mexico it flourishes in soils scarcely suitable for any other crop, and it is quite probable that the center of the sesame industry in the western hemisphere will soon develop in that country and the southwestern United States, where a good deal of land is allowed to lie idle because it is unfit for most of the other farm crops. The negroes near Charleston, South Carolina, are said to have grown sesame in a small way for over two hundred years.

The United States Department of Agriculture is now conducting experiments in the southwest, and the results thus far attained show conclusively that in many parts this crop will richly repay for planting. The next step on the part of the department officials is to find a market for the crop, and they are now endeavoring to interest confectioners to use the oil, which is at present obtained from Marseilles in France, where the greater proportion of the commercial oil is expressed.

The chief merit of this crop is that it requires very little cultivation of the soil. It is sown in shallow drills usually from three to four feet apart and about twelve inches apart in the rows. Sowing takes place as early in the spring as possible. In the southern States it requires from the first of April to June for the crop to ripen, but the plants are left in the field until autumn, when the leaves fall off. The stems are then cut, bound in sheaves and stacked in the field to dry. When the oblong pods or capsules which contain numerous small seeds are thoroughly dry, they burst open. A piece of cloth is then spread out on the ground and the sheaves are shaken over it so as to gather the seeds.

An abundance of yellow, mild and bland oil called "gingelly," resembling olive oil, is obtained from the seed. If the oil is of a very good quality, it is employed as an adulterant of oil of almonds, and is of great economic value, only second to cocoanut oil in the variety of its uses. It is employed for culinary purposes, food, medicine, cosmetics, illumination, lubrication, soap-making, etc. The oil is also used in making a very attractive confection, being used like peanut in making a "brittle." The cakes left after the oil has been pressed from the seeds are used as food by the poorer classes and also serve as good food for cattle. The negroes of Mexico are in the habit of crushing or grinding the seeds into a meal for the purpose of making a drink like coffee. The narcotic properties are very pronounced.

The demand in the United States for gingelly oil is constantly increasing, and although the price of the seed is rather low there is undoubtedly a favorable opportunity for developing sesame culture in the Southern States. In case of its production on a scale larger than it is at present it would soon become an economical question, and the price of both seed and oil would increase in value.

CHRYSANTHEMUMS

Novelties in 1912.

In commenting on the present year's novelties it is but fair to state that all with the exception of our own should have been planted earlier to insure the maximum quality. Mme. Corday is described as an early October pink, but with us it is just finished on the nineteenth. It is of a very pretty shade of silvery pink and has the appearance of making very large blooms when grown under the best conditions. It is decidedly reflexed and will not ship as well as some of the incurved sorts. Fleuve Dore, also described as an early yellow, with us is not quite finished. It is an amber or orange yellow, but we can not see a place for it in either the exhibition or commercial list. August Dasse at present is only half developed, but it is very promising, both in growth and bud development, having the appearance of a good commercial orange yellow, reverse of petals slightly hairy. Souv. de Maurice Dalle is not sufficiently developed for us to form a just opinion. The incurved pink buds look promising. Hirondele is still in a half-finished condition, presenting a beautiful shade of rose pink, and apparently of the best incurved form. We are anxious to see this one mature.

The foregoing varieties were from the E. G. Hill Co. and the following from Chas. H. Totty, and without question the best from this source is Ramapo. With us it is in its height of glory from the twentieth to twenty-fifth, immediately following Chrysolora and preceding Col. D. Appleton. It is not as closely incurved as Appleton, as will be seen by the accompanying illustration, which is from a bud of September. It is a very fine shade of bright yellow, free and easy to grow, having ample foliage with short neck and strong stem. Notwithstanding the many forerunners which have been strongly recommended for commercial use emanating from Madison, N. J., we believe we are not mistaken in stating this one possesses more points of excellence for the grower than any variety heretofore offered by this firm.

We are unable to pass justly upon most of the Wells-Pockett collection for various reasons. Mrs. Gilbert Drabble was received so late we did not attempt to flower it. We lost all the buds on Wm. Kleinheinz. Mrs. Geo. Burke is rather early but we doubt if it can compete on the exhibition tables with some of the older varieties. Mrs. Peter Duff in color is much like Mrs. J. E. Dunne, although not as smooth a bloom, but considerably earlier, and may be of some service in localities where the shows occur the last of October. Mrs. A. M. Henshaw is an incurved white, said to be way ahead of Merza, but the few plants flowering with us do not so indicate at present. We will wait until both are finished before making further comments. We either have our labels interchanged on Mrs. Robt. Foote and Mrs. Harry Turner or the cuts representing them are transposed. The former is now a half developed bud, rather rough looking, while the latter is very smooth and promising and should it continue as it now appears it will outrank the others we have tested of this collection. Of our novelties, Pink Gem will be cut within a few days. Although under-

sized it has splendid stem, fine incurved form and is a most durable flower. Aesthetic is nicely in color and ready the last of October. It looks very promising. Nontero will not be ready before November 15. All the buds indicate splendid blooms. Harvard has been recently disbudded but the plants show a good healthy condition, which indicates satisfactory results later. Of the exhibition section, Christy Mathewson is now finishing nicely and Artistic Queen will be seen in its best form soon. Manhattan and Smith's Sensation are only in a semi-developed state, but judging from the size of the buds will finish well.

Recent Introductions.

The very interesting notes from the pen of Miss S. A. Hill in a recent issue of a contemporary have been read with appreciation and there is no better time than the present to make a low bow to



Chrysanthemum Ramapo.

this eminent writer in acknowledgment of the compliments extended. Without a desire on our part to place our judgment in such matters at a premium, still it verifies our opinion, expressed some six years ago when we first entered a protest against the indiscriminate dissemination of foreign novelties for the use of the American grower. There is an occasional kind that may stand the critical scrutiny exercised among the American trade, but if we look back over these six years we find very few of foreign origin among the many recommended for this purpose that have been grown more than a few years, and almost invariably they have been supplemented by American products. The kinds now grown so fully establish this fact, that those who protested our assertions very willingly concede the progressive stand taken was well founded. What would be the result if the carnation growers were deprived of those grown in this country? If the American rose does not occupy so eminent a place today, it surely will tomorrow. If the reader will pardon this extended detour we will return to the subject.

Chrysolora needs no further comment as all who have grown it agree as to its excellence. Smith's Advance has been more in evidence this season and where well grown and allowed to develop has sold well. Unaka is really the best at present in an early pink. Its weak points are the poor color from the earliest buds and its inclination to give thin flowers from the late ones. An intermediate bud about August 10 seems to be most satisfactory. Dick Witterstaetter is the best red for late October. December Gem and Roman Gold are still in the bud state, but will take care of themselves. Mlle. Arlette Dubois is much easier to grow than Virginia Poehlmann, and they resemble each other very much, although we believe when well done Poehlmann would be a trifle superior. With us Dubois has a few tubular petals which protrude beyond the incurved ones giving a slightly rough appearance. Those who do not succeed in propagating Poehlmann should give this one a trial. We are cutting ours today, October 21.

ELMER D. SMITH.

The St. Paul Show.

All the committees are hard at work arranging for the big show which begins next week. At the last meeting the following additional committees were appointed: Committee to handle passes, E. L. May, S. D. Dysinger and O. R. Eckhardt; committee to take charge of ticket office and doors, O. R. Eckhardt and P. N. Hermes; committee to take charge of the flower booth, F. N. Bingham, M. C. Hansen and E. P. Holm; music committee, E. W. Reid, A. Lauritsen and M. G. Hansen. An information committee of ten was also authorized with C. E. Schaffer of La Crosse as chairman. The members of the committee will be named later. It is the intention to have this committee on the floor at all times to answer questions pertaining to the flowers. A great deal of information is always asked from the florists at the show by the general public regarding the variety, care, cultivation, etc., of flowers, and it was thought best to have this committee to look after and answer these questions.

Mrs. Ruff was appointed to look after the photographic contest. One novel feature of this is to be a set of pictures illustrating tree surgery. The mayor will be present on the opening evening, and it is also hoped to have the governor and his staff present on that occasion.

Season tickets in lots of ten will be distributed this week by a committee from the Association of Commerce, who will solicit merchants and others. The program will carry no advertising, and it is thought that this feature will commend itself to our merchants, as they are being constantly solicited for advertising in various programs which of itself is of very little benefit to them. In place of this advertising they will be asked to buy tickets to distribute to their employees, friends and customers, and it is hoped in this manner to sell several thousand tickets in advance of the opening of the show. Season tickets will be sold for \$2, good for the four days of the show and the symphony concert on Sunday.

The premium committee has received a trophy from J. F. Wilcox & Sons of Council Bluffs, Ia., suitably

engraved, which will be awarded in place of one of the cash premiums, this being necessary on account of the trophy coming too late to announce in the regular premium list.

Saturday evening, November 9, has been designated as Elks and U. C. T. night, and all members of these orders in the city have been invited to attend with their friends, and in honor of the

orange, with a reddish tinge towards the edges) and Exquisite (deep pink, with the edges of the petals darker, and a shading of orange, especially towards the center). All three were obtained by the inter-crossing of *Begonia socotrana* and a yellow flowered variety of the tuberous-rooted section, and the whole of them were given awards of merit by the floral

and in other particulars, but especially in the season of flowering, these varieties show markedly the influence of *Begonia socotrana*. The cultural requirements of this class of begonias are not at all exacting, provided a few important particulars are borne in mind. After the flowering season is over they should not be kept quite dry, as in the case of the tuberous-rooted varieties, for the *socotrana* hybrids do not form as solid a tuber as the others. Throughout the winter they should be placed in a structure where a temperature of 50° to 60° is maintained, and be kept fairly dry; that is to say, in a condition which the gardener would indicate by the expression, "on the dry side." With the return of spring the plants will soon begin to grow, and when the young shoots are long enough, they may be taken and inserted as cuttings. In a close propagating-case they will soon root, and when sufficiently hardened off they may be potted singly or shifted into larger pots. Throughout the summer no fire-heat will be required, but a genial atmosphere must be maintained, and the structure in which the plants are growing be shaded from the rays of the sun. As the nights grow cold, of course, heat must be given in the pipes. The young plants, according to their vigor, will flower in pots from 4 inches to 5 inches in diameter, while a few of the strongest may be given even larger pots. If it is intended to grow the old plants on instead of propagating from them, they may, when the young shoots are from 1 inch to 2 inches in length, be shaken almost clear of the old soil and repotted. A suitable compost for these begonias can be formed of two-thirds fibrous loam, pulled to pieces by the hand, and one-third leaf-mould, with a liberal sprinkling of silver sand. It may be noted that the exceedingly popular *socotrana* hybrid, *Gloire de Lorraine*, was obtained by crossing the species just named and the fibrous-rooted *B. Dregei*.—London Garden.

SAN DIEGO, CALIF.—The flower show held here October 15-16 was successful in every way.

FARMINGTON, MICH.—The Farmington Greenhouse Co. has incorporated with a capital stock of \$5,000.



GREENHOUSES OF F. J. OLSAN, AMES, IA.

occasion a chrysanthemum flower will be presented to each lady in attendance. Both of the city papers will issue a special edition on Sunday, November 3, boosting the show. A great deal of information relative to the business and interesting to the public will be published at that time.

S. D. DYSINGER, Sec'y.

New Winter-Flowering Begonias.

A species that has played a very important part towards the production of the many winter-flowering begonias of today is *Begonia socotrana*, which, valuable itself for its high ornamental qualities, is rendered ten times more so by reason of the importance of its numerous progeny. From the first it promised to be of considerable value to the hybridist, and was employed in various crosses.

The first result of this was the variety John Heal, named in honor of the raiser. It flowered in 1883, and was distributed two years later, when it was given a first-class certificate by the Royal Horticultural Society. This was obtained from *Begonia socotrana* fertilized with the pollen of a red-flowered tuberous-rooted variety, *Viscountess Doneraile*. Working more or less on the same lines, a great number of beautiful varieties were raised, and many of them are now extensively grown wherever flowering plants are in demand. Of the several kinds, the brilliant rose carmine colored Mrs. Heal remained for a long time the best of the section. So matters stood until the autumn of last year, when at the meeting of the Royal Horticultural Society on November 7, the veteran raiser, with a quiet confidence which betokened success, brought forward three new varieties, namely, Acquisition (bright pink, with a slight yellowish suffusion), Her Majesty (warm

committee. A fortnight later—that was, on November 21—the variety Fascination was shown, and received a similar honor to the three already mentioned. The parents of this were *B. socotrana* and a copper-colored tuberous-rooted variety. Another hybrid shown at the same time as Fascination was Rose Queen, whose large flowers are of a deep bright rose color. It was obtained from *B. socotrana* and a white-flowered tuberous-rooted kind.

The main characteristics of these newer varieties of winter-flowering begonias, compared with the older kinds, are a sturdier and more freely branching habit of growth, and larger and better-shaped flowers, which in general appearance suggest those of the tuberous-rooted forms. In foliage



CONCRETE BUILDING OF F. J. OLSAN, AMES, IA.

Philadelphia Notes.

Robert Craig picked that grand yellow chrysanthemum, Bonnafon, as a winner from a lot of Dornier's seedlings at an exhibition some twenty years ago. He introduced Major Bonnafon to Mr. Dornier, who, finding him a genial gentleman very fond of flowers, named this yellow seedling in his honor.

The Robert Craig Co. has sold the Forty-ninth and Chestnut corner of its property for a very good price. None of the greenhouses are erected on this part of the ground. An immense shipping business is going on. Ferns, dracenas and ficus pandurata are moving out in large quantities.

B. Eschner, of M. Rice & Co., is a busy man these days, although his business is systematized to almost run itself. He is always on the job. The firm's iridescent colored baskets are having a great run.

Frank Gaul is receiving words of commendation and the best wishes of the trade for success in his new Thirtieth street store. He expects to open about November 1.

Scott's Irish Fire Flame, Dixon's new flame-colored single rose, is now being offered for sale. Its wonderful coloring in the bud compels attention from all who see it.

J. W. Colflesh's Sons have reduced fern culture to a fine point. The six-inch to eight-inch Scottii, Giatrasii and Scholzelii are extra fine commercial stock.

Berger Bros.' Central market is alive with chrysanthemums. Paul Kling-sporn reports that the demand for them keeps up very well.

American Beauties are leaders at Ed. Reid's Ranstead street establishment. Extra sized chrysanthemums are also seen here.

Splendid chrysanthemums are the feature at the Niessen market. Nothing better has ever been offered commercially.

Potted chrysanthemums are now much in evidence. James Cole at Fifty-fifth and Walnut is sending in fine stock.

K.

San Francisco.

MARKET PRICES STEADY.

The flower shops are radiant with a profusion of midseason chrysanthemums. With the cooler weather prevailing last month there has been a further improvement in florist stock. American Beauty and Pink Killarney roses are noticeably improved and carnations show more substance every day. Stock of all kinds is moving well, the supply keeping good pace with the demand, excepting Liberty and Wards, which are scarce. There is also a shortening of valley. So far there has been no slump on chrysanthemums. The E. W. McLellan Co. is making large shipments daily of select blooms to Portland, Seattle, Salt Lake and Los Angeles and has been an important factor in maintaining the equilibrium of the market. Market prices continue steady. Cattleya labiata are coming more freely at \$50 to \$60 a hundred; Phalenopsis amabilis may be had on call; American Beauties are fairly plentiful, the best at \$2 a dozen. Killarney, Richmond, Liberty, Maryland and Kaiserin are steady at 35 cents to 50 cents and 75 cents a dozen. Cecil Bruner sells at 8 bunches for \$1. Carnations are quite good at 20 cents and 25 cents a dozen. Gladioli are gone and dahlias are getting smaller and are displaced by the chrysanthemums. Valley are 50 cents a dozen and getting scarce. Chrysanthemums average \$1 a dozen, some inferior stock selling as low as 50 cents. Select

blooms of Jeffreys bring \$1.50 a dozen and Columbia and Bonnafon a little less. Violets move well at 75 cents a dozen bunches.

HORTICULTURAL SOCIETY MEETING.

The meeting of the Pacific Coast Horticultural Society was a lively and interesting session. The large attendance present extended a hearty welcome to the returning delegation to the late S. A. F. convention. The popularity of President Angelo J. Rossi was attested by the hearty three cheers and a tiger tendered him as he resumed the gavel. The evening was largely given over to the delegation relating their experiences and observations at the convention and in the various cities visited by them. At the conclusion of his address D. MacRorie created much merriment by recounting a number of humorous situations in which some one of his fellow travelers always figured as the "goat." President Rossi, H. Plath and Julius Epstein each addressed the members at length and all expressed their sincere appreciation for the cordial reception and courtesies paid them by the fraternity in general while they were away. In view of the fact that many florists are opposed to presenting certain customers or friends with tickets to the flower shows, the society will sell a form of complimentary ticket in lots of not less than \$5 at half rates to such florists as may desire them. The feature of the monthly exhibition was a splendid lot of dahlia seedlings shown by Thos. A. Munro. There were no freaks, each one of the 25 shown giving evidence of intelligent crossing and selection. The judges awarded them 95 points. "The Ferneries" were awarded 80 points for specimen Nephrolepis Harrisii, Wm. Kettlewell 60 points for Scabiosa Caucasus and the MacRorie & McLaren Co. 90 points for early flowered Phalenopsis amabilis and large spiked Oncidium splendendum. J. W. Bagge, T. W. Lee and W. Krabbenhaft acted as judges. The following were elected to membership: William H. Hutchings, A. W. Shurragar, Alex. Rose, William Young, A. McDonald Grant, B. Meyer, G. Bricejn, Frank Webster and Herbert E. Drew.

NOTES.

The California Nurserymen's Association will hold a meeting on November 8 to which all members of the local Horticultural Society are invited.

Fred Jaeger of the Fairmont Floral Co. expects to finish in about ten days the extensive alterations he is making in the store.

John C. Carbone reports a lively demand for cattleyas. One day recently a cut of 200 labiata would not fill the orders.

Emil Serveau has been in the hospital for two weeks, but is recovering.

Alex. Massey of Elmhurst is finishing a new rose house.

T.

Rott's Church Decorations.

The decorations by Albert C. Rott, Joliet, Ill., for the church wedding of Dr. Frank D. Rich and Ethel Louise Folk, October 23, created much favorable comment. Wild smilax and autumn foliage were twined against the gold and green walls, creating a remarkably happy effect. The railing of the choir loft was festooned heavily with foliage and the altar was banked with palms flanked by huge bouquets of white chrysanthemums.

Mistress: Well, Cooper, what is the weather to be like?

Gardener: Well, Mum, I dunno; but the paper do say "Forecast."—Punch.

Boston.

CONDITIONS UNCHANGED.

"About the same," may stand for the state of trade. There are no medals to be handed out as to the call of any particular flower. We are waiting for something to turn up. There are some elegant chrysanthemums on the market.

TWO STOCKHOLDERS' MEETINGS.

Stockholders of the Boston Flower Exchange sat down at the Quincy Hotel Saturday, October 26, to their annual banquet, with an orchestra which rendered popular music. President Stickel was in the chair. Ten per cent dividends were paid and a surplus of \$6,000 for the year, which showed business to be on the right side. The same board of directors was elected with the exception of Thos. Peglar, who has gone in business in Maine. A. S. Parker, Stoneham, was elected in his place. Mr. Parker made a very witty speech which created much laughter. We should call Mr. Parker Mark Twain II. A straw vote was taken on the coming national election which resulted as follows: Roosevelt, Taft, Wilson. The last named received two votes. A communication was sent to the Co-operative Market stockholders at their annual banquet in the American House by special messenger stating that it was the sense of the meeting that the latter consolidate with them in their new place of business in Winthrop Square, which is to be ready about January 1, 1913. The meeting adjourned at about 10 o'clock. At the American House 50 stockholders of the Co-operative Market, two being ladies, sat down to a banquet of good things with an orchestra which kept things lively. President McFarland was toastmaster. Speeches were made by Wm. Elliot, — Leach, J. J. Zinn and others. Mr. Zinn took for his topic, "In Times of Overproduction of Flowers," and contrasted the way in which the flowers are bought by the better class of trade in Europe to that here. He handled the subject in his usual masterly style and gave his hearers much food for thought. A dividend of 20 per cent was paid and a surplus for the year of over \$1,300. This is a good showing for the size of the market and the uphill struggle it had in getting started, and the men in the directorate ought to receive praise. The communication from the Flower Exchange was received with favor and cordiality, and was voted to be put in the hands of the directors for action. With the addition of L. E. Small, the same board of directors were elected. The meeting was a most enjoyable one and was adjourned at 9:30.

NOTES.

We are glad to be able to give an opinion from a reliable source on the Workman's Compensation Act. Dudley M. Holman of the Industrial Accident Board, after a long conference and looking at it from every point of view, said that in his opinion the florist is in the same general line as the farmer and will be exempt from the terms of the act in this state under the broad term of farm labor. He is to put it up to the other members of the board in that light. The florists of the state have been in a quandary and some have already insured their help. We have no club that seems to take up such matters, so we have ourselves taken up the matter and got the above decision.

We met our friend George Watson from Sleepy Hollow. George informed us he was in Boston interviewing the seedsmen on something he has to sell.

MAC.

Pittsburg.

SHORTAGE OF STOCK.

This week finds us in a severe shortage of stock of all kinds, especially chrysanthemums, as the later varieties have not started yet. We expect quite a scarcity of this flower for at least a week or two, when our later stock arrives. Roses and carnations are cleaning up daily, as do also American Beauties. A few callas are seen, but do not amount to much. It looks as though the dahlias are about over. Good valley is hard to get, as most of the stock is coming in small. Violets are coming in a little heavier and clean up very nicely. Greens are very plentiful and are being thrown away in quantities. Ward and Sunburst roses are arriving in greater quantities than usual, but the wholesaler manages to get rid of all that are received.

NOTES.

Foreman Jones, of Phipps Conservatories, Schenley Park, had quite a crowd of visitors at the chrysanthemum show Sunday. The weather was ideal and brought the people out in numbers.

Koval, who conducts a flower stand in the East Liberty Market, expects to open another at Frankstown and Homewood avenues next week.

M. C. King, of Washington, was a caller recently. He reports business very good and says he had a number of weddings this month.

Geo. Stratokos, the fern man of Butler, has left to join the Greek army in the battle against the Turks.

Mrs. J. Elicker of Homestead was in town this week. She reports a good run of funeral work.

W. J. Farney, representing M. Rice & Co., Philadelphia, is in town with a line of supplies.

The Duquesne Flower Co. has opened its old stand in Market street.

E. J. M.

Cincinnati.

HOLIDAYS HELP TRADE.

Last week business started poorly but became better each day as the week progressed. At the close fair clearances were effected in almost all lines. Sunday was the first day that All Saints and All Souls day was celebrated at some of the large local cemeteries. This, in the main, accounts for the excellent business at the close of the week. The balance was just a steady development, or rather expansion. The first day of this week showed up to noon limited offerings and a good but not overly active call. The supply of roses continues large and all are of a very good quality. The list includes American Beauties, pink and white Killarney, Bridesmaids, My Maryland, Richmond, Taft, Ivory, Golden Gate, Sunburst and Mrs. Aaron Ward. Carnations are selling very nicely but are not as yet bringing the highest prices. The call in chrysanthemums is strongest for the medium size. Small ones come next in the point of popularity with the choicest and largest a good third. Very many of the short and medium-sized should be used for decorative purposes at the various cemeteries about the city. Other offerings include excellent giganteum lilies, lily of the valley, double and single violets, snapdragons, sweet peas and orchids. The first callas have made their appearance. Business the entire week in all lines of greens was good. The strongest call was for cut ferns and leucothoe.

NOTES.

The Hill-Heller Co. held a chrysanthemum show at its store on Race street the last three days of this week.

The show consisted of many novelties as well as a large supply of choice seasonable flowers which was shown to the large number of people who visited the place in response to well-worded daily paper advertisements. E. G. Hill's many cups won in competition were also displayed. The whole presented an attractive appearance. E. G. Hill, Myer Heller, Earl Mann, Fred Lemon and Henry Shephard were down for the occasion.

C. E. Critchell has been receiving large shipments of double violets for the past fortnight. He has been getting callas also for the same length of time.

E. G. Gillett suffered a very painful injury to his ankle last Saturday on the way home from the office. He slipped and turned his foot.

P. J. Olinger, Chas. Jones and Geo. Tromey went to Mr. Olinger's greenhouses at New Castle, Ind., last Thursday.

Dan Carmichael, of the J. M. McCullough Sons Co., has returned from his trip to the East.

Albert McCullough has returned from his annual trip to Florida.

Thos. Windram has gone to his ferneries at Leesburg, Fla.

Visitors: Arthur Zietman, representing M. Rice and Co., Philadelphia, Pa.; Harry Tredway, Dayton, O.; Simon Hydee, Hillsboro, O.

H.

Cleveland.

CHRYSANTHEMUMS PLENTIFUL.

The chrysanthemum season is now in full swing, and enough of all colors and grades are on the market to fill all orders. Carnations have been short of demand. Roses remain plentiful and stock is fine. Calla lilies are beginning to arrive. Valley and orchids are in good supply with a fair demand. Boxwood is having a good call and stock is exceptionally fine this season. All outdoor stock is now past the stage of usefulness. Greens of all kinds are plentiful. Violets are fine and in good demand.

NOTES.

Smith & Fetter's decoration at the new Statler hotel for the iron and steel men's convention was one of the finest seen here for some time. What with the richness of the paintings, fixtures and the grand floral display, the hotel furnished a wonderfully beautiful picture.

Pete Nichols, this city's wealthy florist who is in the Greek army, has sent his friends a picture showing him in the uniform of the king's bodyguard.

The Westman & Getz Co. executed one of their usual novel table decorations the past week for a dinner in honor of a local leader of woman suffrage.

C. F. B.

Northern Indiana Florists' Association.

The Northern Indiana Florists' Association met at Kendallville in regular quarterly meeting Oct. 16. The most of the time was spent inspecting places of interest, among which were the houses of the Johnson Floral Co., which certainly were in the pink of condition. The firm has only recently installed two new boilers and is all ready for winter.

The Kendallville Celery Gardens was another place of much interest. Here they do things with system and from a scientific standpoint. The Flint & Walling pump and windmill factories were of much interest. As we went through we could see on every hand men and machines working together like the wheels in a clock. These works are the largest of the

kind in the world and are known all over the globe.

The association also visited the McCray Refrigerator Co. The florists' refrigerators of this company are among the best. To say the workmen here take pride in their work is putting it mildly. It is indeed a wonderful sight.

The meeting itself though brief, was very interesting, for in it we annexed northern Ohio and Chicago to our territory when we added to our membership the names of the following: Christ Winterich, the "Cyclamen King" of Defiance, O.; Theodore Haserodt of the Mt. Gilead Pottery Co., Mt. Gilead, O.; A. W. Hesse of the A. L. Randall Co., Chicago; C. O. Wilcox of the W. W. Barnard Co., Chicago. There were also three new names from our own state, S. H. Ten Eyck, Auburn; Otto O. Shrock, Ligonier; Arthur E. Sumner, Garrett.

The banquet was held in the dining room of the First M. E. Church, and was served by the church ladies. Our exhibit was arranged in the Sunday school room of the church, which proved an ideal place. The exhibits were the largest and best we have ever had, consisting of entries by the following:

Frank & Sons, Portland—White and Pink Killarney, Maryland. Kaiserin and W. R. Smith roses.

W. W. Cole, Kokomo—Kaiserin, W. R. Smith and Killarney roses.

Johnson Floral Co., Kendallville—Rose Pink and Enchantress carnations and ferns, cyclamens and Glory of Cincinnati begonias.

L. A. Cole, Kokomo—Bonfire, Enchantress and White Enchantress carnations.

W. W. Dederick, Warsaw—Dorothy Gordon, W. Perfection, Enchantress and White Wonder carnations.

Ten Eyck & Son, Auburn—chrysanthemums in variety.

South Bend Floral Co.—chrysanthemums.

Christ Winterich, Defiance, O.—specimen plants of cyclamens in 6 and 8-inch pots that were wonderful.

Simon Humfeld, Muncie—samples of plants and florists' supplies.

Mt. Gilead Pottery Co., Mt. Gilead, O.—flower pots.

A. A. Arnold, Chicago—cut flower boxes.

A. L. Randall Co., Chicago—ruscus and florists' supplies.

W. W. Barnard Co., Chicago—supplies and bulbs.

The next regular meeting will be held in Columbus City, Ind., January 15, 1913. A. J. WAGONER, Sec'y.

Washington.

Gude Bros. had a very pretty house decoration for the wedding of Miss Laura Byrne to Lieut. B. Wood Simpson. The decoration consisted of autumn foliage, palms and white chrysanthemums. The bride carried a bouquet of valley and orchids and the bridesmaid a large bunch of yellow chrysanthemums.

A. Lanscher, who has been with Z. D. Blackstone for a number of years, will leave Washington November 1 to start in business for himself at Lynchburg, Va.

The florists of this city report that Lady Hillingdon is one of the best selling roses they have had for some time.

Theo. Diedrich is cutting some very fine Chrysolora chrysanthemums; also a new seedling which is very fine.

Gude Bros. had the decoration for the nineteenth anniversary of the Hann department store.

Visitors: J. J. Goudy, Philadelphia, Pa.; J. Heacock, Philadelphia, Pa.

G. C. D.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	841
—Rambler roses	841
—Outside tulips	841
—Gladiolus colvillei	841
—Otahite oranges	842
—Spirea japonica	842
The retail trade	842
—Some Matthews designs (illus.).....	842
—The bull frog centerpiece.....	842
Sesame culture in the south.....	843
Chrysanthemums	844
—Novelties in 1912.....	844
—Recent introductions	844
—Chrysanthemum Ramapo (illus.).....	844
The St. Paul show	844
New winter flowering begonias.....	845
Greenhouses of F. J. Olsan, Ames, Ia. (illus.).....	845
Concrete building of F. J. Olsan, Ames, Ia. (illus.).....	845
Philadelphia notes	846
San Francisco	846
Rott's church decorations.....	846
Boston	846
Pittsburg	847
Cincinnati	847
Cleveland	847
Northern Indiana Florists' Association.....	847
Washington	847
Telegraph delivery	848
Chrysanthemum Society of America.....	848
Meetings next week.....	848
Coming exhibitions.....	848
Important to subscribers.....	848
Chicago	852
Philadelphia	860
New York	862
Rochester, N. Y.	862
Baltimore	868
Albany, N. Y.	868
The seed trade.....	870
—Danish cabbage and cauliflower seed.....	870
—The late Wm. F. A. Kendel.....	870
—Holmes Seed Co.'s new home.....	870
—Rain ruins English crops.....	870
Market gardeners	874
—Prices of indoor fruits and vegetables.....	874
—Uruguay studies our methods.....	874
The nursery trade.....	876
—Afforestation in China.....	876
—Nursery importations	876

AN English edition of the Japanese tariff of 1911 has just been published by the Department of Commerce and Labor. To facilitate the use of the work the rates of duty are given both in Japanese and American currency, weights and measures. Copies may be obtained on application to the Bureau of Foreign and Domestic Commerce, Washington, D. C.

Telegraph Delivery.

The importance and convenience of telegraph delivery in the cut flower trade is emphasized in a circular sent out by the Florists' Telegraph Delivery, an organization of some sixty members who do an interchange business. This society is endeavoring to educate the public to the advantages of its system and the knowledge that flowers may be sent in this way is gradually taking hold.

At a recent meeting of the F. T. D. one of the members said: "During the year 1909, which was the year previous to the birth of this organization, if I remember right, we sent out

360 orders from our place of business, amounting to \$2,950. In the year 1910 we sent out 405, aggregating \$3,150. In 1911 the business aggregated \$3,430, with 435 orders sent out."

According to the circular, a reasonable estimate, judging by the foregoing statement, of the business done by the sixty members would be \$420,000 annually. With 200 members this would amount to \$1,400,000 each year. In soliciting members the organization points to the many benefits to be derived for a small fee—such as the advertising, the general upbuilding of the trade, etc.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York — Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during November, the dates of which will be November 2, 9, 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color	20	Substance	15
Form	15	Size	10
Fullness	10		
Stem	15	Total	100
Foliage	15		
Exhibition.			
Color	15	Depth	15
Stem	5	Size	30
Foliage	5		
Fullness	15	Total	100
Form	15		
Single Varieties.			
Color	40	Stem and Foliage.....	20
Form	20		
Substance	20	Total	100
Pompon Varieties.			
Color	40	Fullness	20
Form	20		
Stem and Foliage.....	20	Total	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

October 31-November 2, 1912, Mt. Kisco, N. Y.—Annual exhibition of Northern Westchester County Horticultural and Agricultural Society, St. Francis hall. Thos. Ranger, chairman exhibition committee, Mt. Kisco.

November 4, 1912, Montreal, Que.—Fall exhibition, Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street, west. W. H. Horobin, secretary, 283 Marquette street, Montreal, Que.

November 6-8, 1912, Tarrytown, N. Y.—Fourteenth annual exhibition, Tarrytown Horticultural Society, Music hall. E. W. Neubrand, secretary, Tarrytown.

November 6-8, 1912, New York.—Chrysanthemum show, Chrysanthemum Society of America, Berkeley Lyceum building, 19-21 West Forty-fourth street. W. A. Eagleson, secretary, 19 West Forty-fourth street, New York.

November 7, 1912, Worcester, Mass.—Chrysanthemum exhibition, Worcester County Horticultural Society, Horticultural hall. L. C. Midgley, secretary, 18 Front street, Worcester.

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society, Germania hall. Anthon S. Peterson, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory, John N. Stockwell, secretary, 218 City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symons, secretary, College Park, Md.

Meetings Next Week.

Albany, N. Y., November 7, 8 p. m.—Albany Florists' Club, 71-73 State street.

Buffalo, N. Y., November 5, 8 p. m.—Buffalo Florists' Club, 385 Elliott street.

Butte, Mont., November 8.—Montana Florists' Club, Columbia Gardens.

Chicago, November 7, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.

Dayton, O., November 7, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.

Denver, Colo., November 4.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.

Detroit, Mich., November 4, 8 p. m.—Detroit Florists' Club, 247 Randolph street.

Fall River, Mass., November 5, 8 p. m.—Fall River Florists' Club and Gardeners' Association.

Grand Rapids, Mich., November 4.—Grand Rapids Florists' and Gardeners' Club, office of member.

Hartford, Conn., November 8, 8 p. m.—Connecticut Horticultural Society, County building. Indianapolis, Ind., November 5, 7:30 p. m.—State Florists' Association of Indiana, State House.

Los Angeles, Calif., November 5.—Los Angeles County Horticultural Society.

Louisville, Ky., November 6, 8 p. m.—Kentucky Society of Florists, Third and Broadway.

Milwaukee, Wis., November 7, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City hall square.

Minneapolis, Minn., November 5.—Minneapolis Florists' Club, 115 North Sixth street.

Montreal, Que., November 4, 7:45 p. m.—Montreal Gardeners' and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.

New Orleans, La., November 6, 8 p. m.—German Gardeners' Club, 624 Common street.

Newport, R. I., November 6.—Newport Horticultural Society.

Philadelphia, Pa., November 5, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.

Pittsburg, Pa., November 5, 8 p. m.—Florists' and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.

Salt Lake City, Utah, November 5.—Salt Lake City Florists' Club, Huddart Floral Co., 64 Main street.

San Francisco, Calif., November 9.—Pacific Coast Horticultural Society.

Seattle, Wash., November 5.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.

Tacoma, Wash., November 7.—Tacoma Florists' Association, Macabee hall.

Utica, N. Y., November 7, 8 p. m.—Utica Florists' Club, Genesee hall, Onondaga square.

Washington, D. C., November 5, 8 p. m.—Florists' Club of Washington, 1214 F street, N. Y.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By florist and gardener; middle aged German, with life experience. Address Key 720, care American Florist.

Situation Wanted—In or near Cleveland, florist, well up in greenhouse work and garden, best of references. 3616 Mayfield Road, Cleveland.

Situation Wanted—By first-class decorator and store man. Past five years with Small & Sons at the Waldorf. Address G. R. LAWRENCE, 217 W. 68th St., New York.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture, Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address. Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds a specialty. Has been several years in charge of large public place. Interest later also considered. Address. Key 703, American Florist.

Situation Wanted—Superintendent or Gardener, English, married, seeks position on private estate or laying out a new one; North and Southern experience; thoroughly versed on fruits, plants, vegetables under glass and outdoors, lawns, roads, trees, shrubs, care of stock. Excellent references. Please state wages. F. JENKINS, 547 11th Ave., Astoria, Long Island, N. Y.

Help Wanted—Store man with business ability; must have some money to invest in a store proposition. Address. VERN L. SCHLURAFF, Erie, Pa.

Help Wanted—Seedsmen with experience to canvas market garden trade. Give reference and salary expected, with first letter. THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Assistant florist, with experience in growing choice pot plants; English or Scottish preferred. Wages \$14.00 per week. Mail copies of references in first letter. Address 3132 McHenry Ave., Westwood, Cincinnati, O.

Help Wanted—Party thoroughly up in Hardy Perennials as to propagation, etc. Give full particulars as to experience, age, salary expected, etc., in first letter. A good steady position for the right man. Address. Key 722, care American Florist.

Help Wanted—A man who can grow shrubs, roses, etc., and manage greenhouse. Married man preferred. Moderate salary at first with chance of promotion. Give full particulars and salary wanted. PARKER BROS. NURSERY CO., Fayetteville, Ark.

Help Wanted—Competent grower of cut flowers and pot plants to take charge of 30,000 feet of glass in Missouri. Must be sober; married German preferred. Steady position; state wages expected, reference in first letter. Address. Key 715, care American Florist.

Help Wanted—An experienced gardener, married, small family, to have charge of range houses, private garden and grounds. Must be successful carnation grower. References required. Nice home, good wages, equable climate. Address. J. M. OVERTON, Nashville, Tenn.

Help Wanted—Experienced grower, as working foreman to take charge of eighteen thousand feet of glass; Western New York. Must be successful rose grower, and be ready to come not later than Nov. 1, 1912. State wages desired in reply. Address. Key 714, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Seven section steam or hot water boiler; used two winters to heat a building; perfect condition. THE F. A. SHERMAN CO., Albany, N. Y.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

Help Wanted. Experienced Saleslady and Designer

To work in Chicago retail store.

Key 715, care American Florist.

SITUATION WANTED.

High Class Storeman and Designer is open to engagement. Age 35, married. Address,

Key 713, care American Florist.

For Sale.

3 60x16 Tubular Boilers, \$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

For Sale or Rent

Five Large Greenhouses in Chicago.

Big bargain if taken at once.

Good reason for selling. Address

Key 724, care American Florist.

SITUATION WANTED.

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

WANTED.

Experienced Florist and Decorator to take charge of an established business. Permanent position at good salary for properly qualified person. Applications must state references.

L. R. P., P. O. Box 346, Richmond, Va.

Salesman Wanted And Assistant Decorator.

Must also have a slight knowledge of buying; must be willing worker, and furnish highest references. Moderate salary to start; splendid opportunity in the future for the right party. Address, Key 709, care American Florist.

FOR SALE.

Greenhouse, Barn and Dwelling House in Auburn, N. Y., on street car line. Lot 200 feet front by 400 feet deep. Greenhouse full of stock. Also horse, wagons, tools and implements. Cost \$16,000. Will sell for \$8,000, half cash.

M. V. AUSTIN, Jr.,
Trustee in Bankruptcy.

79 Genesee St., AUBURN, N. Y.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address Key 718 care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of JOHN F. HAHN, 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Ivend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of Sprenger, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences, and one five-room cottage, in good condition, big packing shed, cellar and barn, 2 artesian wells wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

AUTUMN NUMBER

TO BE ISSUED

November 14,

JUST RIGHT FOR THE

Thanksgiving and Holiday Trade

American Florist Co.

440 S. Dearborn St., CHICAGO.

 Please mail advertisements early.

'MUM STOCK PLANTS

Early Yellow—Chrysolora.

Per doz., \$3.00; per 100, \$15.00.

Early Yellow—Crocus.

Per doz., \$2.00; per 100, \$10.00.

Early White - Smith's Advance.

Per doz., \$2.00; per 100, \$10.00.

Early Pink—Unaka.

Per doz., \$2.00; per 100, \$10.00.

Bassett & Washburn
HINSDALE, ILL.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

FERN S.

Boston, Whitman and Scholzell from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch Boston and Scholzell grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.



PRIMULA MALACOIDES.

Vaughan's Specials

PRIMULA MALACOIDES,
The Improved Baby Primrose.

It is a wonderfully free bloomer, of a delicate shade of lavender. Grand for pot plants or for cutting.

2½-inch, doz., 75c; per 100, \$4.00.

3-inch, doz., \$1.25; per 100, \$8.00.

ASPARAGUS HATCHERI. 2-inch,

doz., \$1.00; per 100, \$7.00.

SPRENGERI and PLUMOSUS. 2-inch,

doz., 50c; per 100, \$3.00; per

1000, \$25.00. Seedlings, per

1000, \$6.00.

DEUTZIA GRACILIS. Home Grown

stock. 8-inch pot grown plants, 70 to

80 flowering branches, only 30c each;

\$3.00 per doz.; \$20.00 per 100.

Ask for prices on extra bushy field-

grown plants in assorted sizes.

SPECIMEN FRUIT TREES. Extra large

Apples and Pears. Ask for list.

Vaughan's Seed Store, CHICAGO.

NEW YORK.

Greenhouses and Nursery at

Western Springs, Ill.

Robert Craig Co...

High
Class

PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Gladiolus Bulbs.

75,000 healthy first size bulbs,
named kind.100,000 healthy second size
bulbs, named kind and mixture.

All from our seedlings, never offered to the public before. Flowers 4 to 6 inches across. Cheap to Wholesale Trade for 30 days. Write now; tomorrow may be too late.

Gladioli Specialty Ass'n.,
Old Point Comfort, Va.

Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

Dennison

DISTINCTIVE TAGS

FOR THE HOLIDAY SEASON

Help to make the Christmas Boxes of Flowers more attractive

The tag is the business card of the florist on the box.

It must represent him in Quality.

Dennison Florist Tag Designs this season are particularly handsome.

Write for samples and allow the Dennison Department of Design to submit a sketch carrying out your ideas of a distinctive florist tag.

Dennison Manufacturing Company

THE TAG MAKERS

Works at Framingham, Mass.

STORES

BOSTON

26 Franklin Street

NEW YORK

15 John Street

NEW YORK

15 West 27th Street

PHILADELPHIA

1007 Chestnut Street

CHICAGO

62 E. Randolph Street

ST. LOUIS

905 Locust Street

SALES OFFICES

Albany, N. Y.

Atlanta, Ga.

Baltimore, Md.

Buffalo, N. Y.

Cincinnati, O.

Cleveland, O.

Dallas, Texas

Denver, Colo.

Detroit, Mich.

Indianapolis, Ind.

Kansas City, Mo.

Los Angeles, Cal.

Louisville, Ky.

Milwaukee, Wis.

Newark, N. J.

New Orleans, La.

Omaha, Neb.

Pittsburg, Pa.

Portland, Ore.

Providence, R. I.

Richmond, Va.

St. Paul, Minn.

San Francisco, Cal.

Seattle, Wash.

Toronto, Ont.



Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

Chrysanthemums, very Choice White, Yellow and Pink, \$3.00 per dozen; medium, \$2.00 to \$2.50 per dozen.

Pompons, White, Yellow and Pink, 35c to 50c per bunch. **Asst. Roses**, our selection, \$20.00 per 1000.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$3 00
36-inch	2 50
24 to 30-inch	2 00
18-inch	1 50
12-inch	1 00

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 per 100
Extra long.....	6 00 per 100
Good length.....	5 00 per 100
Medium length.....	4 00 per 100
Short.....	3 00 per 100

CARNATIONS

	Per 100
Good.....	\$3 00
Medium.....	2 50

FINE EASTER LILIES.....per doz., \$1 50

Lily of the Valley\$3 00 to 4 00

Smilax.....per doz., \$1 75 to \$2 00

Asparagus Sprays.....2 00 to 4 00

Sprengerl.....2 00 to 3 00

Adiantum.....1 00 to 1 50

Leucothoe Sprays.....0 75

Galax—Bronze and Green.....per 1000, \$1 00

New Ferns.....per 1000, 2 00

Mexican Ivy.....per 1000, 6 00

75

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

'MUM SEASON NEAR HEIGHTH.

The chrysanthemum season is now approaching its height and magnificent stock of all grades and of all colors, from the smallest pompons to the immense exhibition blooms, are now obtainable. Yellow chrysanthemums are scarce at times but white and pink are nearly always in good supply. Roses are more plentiful and in certain lines the market is weak. American Beauty roses of fine quality are arriving with plenty of long and medium stemmed flowers to go around. The shorter grades are scarce. Killarney and White Killarney are in good supply but in many instances the first named are off color. Good Richmond are still arriving in large quantities and move freely. Prince De Bulgarie, Mrs. Aaron Ward and Sunburst are exceptionally fine and are having a good call. The receipts of orchids are a little heavier; some beautiful *Cattleya labiata*, *Dendrobium formosum* and *Oncidium varicosum*, are to be had. Lilies are not in such good supply, but there are enough to fill all orders. There is plenty of lily of the valley and violets. One wholesaler says that violets sold for less money last week than in any other week in October. Gladioli are off the market but a few dahlias are still arriving. Home grown gardenias are very scarce but large shipments of these flowers are being received from the east. Carnations are in fair supply and have a fair demand. Some fine snapdragons are arriving, greens of excellent quality are in good supply with smilax quite plentiful.

FLORISTS' CLUB.

A paper on "The Retailing of Cut Flowers," by Irwin C. Bertermann of

Indianapolis, Ind., will be read at the next meeting of the Florists' Club, to be held at the Union Restaurant November 7 at 8 p. m. Officers for the ensuing year will be nominated at this meeting.

Chairman French of the good-of-the-club committee announces that ladies' night will be Thursday, November 14, with a banquet and dance at the Hotel Sherman, at 7:30 p. m. sharp.

NOTES.

The George M. Garland Co. has just filled another order for O. C. Barber, of Barberton, O., which calls for two iron frame houses, 16x323 feet, one cross house 8x125 and another 16x62 feet. T. B. Gray, sales manager for the Garland Co., made a business trip to Fond du Lac and Janesville, Wis., this week.

Oscar Wiegand is back from a long visit in California with glowing accounts of the Golden State. During his stay at San Diego he purchased two lots and will most likely make his home there in the future.

Oscar Leistner, who has been abroad for several months, arrived in New York, on October 23, and will return here after calling on the trade in the principal cities in the east.

The John C. Moninger Co., is filling an order for Sherman & Morgan, of Elgin, for 3 new houses 27x150 feet. The order also includes the heating and watering systems.

Miss Ida Evert has leased a part of the basement formerly occupied by the Poehlmann Bros. Co., at 30 East Randolph street, and is now disposing of her brothers' stock.

A. Lange had an order for a large wedding at Oshkosh, Wis., last week that kept H. Stone and his force of assistants quite busy for a time.

PERCY

Wholesalers of

CUT FLOWERS and
FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

U S Budlong's E Blue Ribbon Valley.

N. J. Rupp and son Walter have returned from a business trip to Athens, Ga.

August Poehlmann has returned from a business trip to Washington, D. C.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CHRYSANTHEMUMS

A full crop now on. Can supply all the best varieties. Also

CATTLEYAS--VALLEY--VIOLETS

Am. Beauties--Carnations

Fancy Pompons in all Colors

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES	Per Doz.
Long.....	\$3.00
30-inch.....	2.50
24 inch.....	2.00
18 to 20-inch.....	1.50
Short stem.....	per 100, \$4.00 to 8.00
Specials charged for accordingly.	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
Specials charged for accordingly.	
MELODY, long.	8.00 to 10.00
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.	
Fancy long.....	8.00
Medium.....	6.00
Short.....	4.00
Extra special Roses. charge accordingly.	

LADY HILLINGDON.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
RICHMOND.	
Fancy.....	8.00
Medium.....	6.00
Good short.....	4.00
KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
WHITE KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
CHRYSANTHEMUMS, White, Yellow and Pink..	per doz., \$2.00, \$3.00 and \$4.00

CARNATIONS.....	Per 100
.....	\$2.00 to \$3.00
VIOLETS, Princess of Wales.....	.75c to 1.00
ORCHIDS, White Dendrobium, doz.	\$5.00
CATTLEYAS.....	per doz., 6.00
EASTER LILIES.....	12.00
VALLEY.....	\$3.00 to 4.00
ADIANTUM CROWEANUM.....	1.00
MEXICAN IVY.....	per 1000, \$5.00 .60
SMILAX.....	16.00
SPRENGER, PLUMOSUS SPRAYS	3.00 to 4.00
PLUMOSUS STRINGS, extra long and heavy.....	each, .50 to .60
FERNS.....	per 1,000, 2.00
GALAX.....	per 1,000, 1.25
LEUCOTHOE.....	per 100, .75

Pompons, fancy, all colors, 50c, 75c and \$1.00 per bunch.

Supply Department

We have made great strides in this department by always carrying a complete line of everything that the Florists and Nurserymen require.

The (Made in Chicago) **Ruscus Oak Sprays** and **Magnolia Leaves** are making a hit throughout the country. Give us a trial order and be convinced that these articles are the best to be had.

OAK LEAVES in Brown, Green and Red, thirty-five cents per pound. Write for prices in larger quantities.

A complete line of **Ruscus, Statice, Cycas, and Magnolia Wreaths.**

A new line of plant baskets has just arrived. We ship these in assortments from Five Dollars to Twenty-Five Dollars; selected by one who knows the requirements of a retail store—the uses of these baskets for plants.

Orders for **Ribbons, Chiffons, Violet Ties, Pins, Florist's Boxes, etc.,** can be filled on very short notice.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

	Per Dozen		Per Dozen
48-in. stems.....	\$3 00	24-in. stems.....	\$1 75
36-in. stems.....	2 50	20-in. stems.....	1 50
30-in. stems.....	2 00	15-in. stems.....	1 25
		Short stems.....	1 00

Killarney.

	Per 100
Extra special.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Richmond

	Per 100
Extra specials.....	\$7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

My Maryland

Fancy.....	\$7.00
Good.....	6.00
Short.....	4.00

White Killarney

	Per 100
Extra specials.....	7.00
Selects.....	6.00
Fancy.....	5.00
Medium.....	4.00
Good.....	3.00
Short stems.....	2.00

Jardine, Fancy, 24-inch stems.....

Good, 15 "	4.00
Short.....	3.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$3.00
Fancy.....	2.50
Good.....	1.50

Chrysanthemums

	Per Dozen		Per Dozen
Extra select.....	\$3.00	Fancy.....	\$2.00
Select.....	2.50	Good.....	\$1.00 to 1.50
HARRISII.....	10.00 to 12.50		
FERNs, per 1000, \$1.50.		SMILAX, per doz.,	\$2.00.
ADIANTUM, per 100, \$1 to \$1.50.		GALAX, per 1000, \$1.	
SPRENGERI, per bunch, 50c.		ASPARAGUS SPRAYS,	
		per bunch, 50c.	

Mrs. F. Beu lost her gold watch one day last week and after advertising in the daily papers for it for some time she gave up all hopes of ever getting it back, when Herman Schiller did the unexpected and called her up with the information that it was in his possession. He found it on the sidewalk in front of Kennicott Bros. store and recognized the watch by the initials on it and promptly returned it to its rightful owner.

The war in Mexico is not affecting the plant business to any great extent in that country as far as the Geo. Wittbold Co.'s customers are concerned for this firm is constantly receiving orders from the land of rebellions. Louis Wittbold says that his firm has one customer down there who must do a big business, as he is one of their largest buyers.

A. L. Vaughan & Co.'s shipments of chrysanthemums this week include nearly all the leading seasonable varieties and many of the blooms are fit for the exhibition table. W. E. Lynch says that the stock has been moving well, especially with the local buyers.

H. C. Blewitt, of Des Plaines, has finished work on his new iron frame house, 38x150 feet. John Prickett, of the Des Plaines Floral Co., had charge of the building and the George M. Garland Co. furnished the material.

The Raedlein Basket Co. is unpacking 17 cases of baskets which have just arrived from the Raedlein factories in Germany. Another shipment of 24 cases from the same place is due here next week.

John Micus, with Adam Ziska & Co., died of dropsy on October 23 and was buried the following Friday at the Bohemian National Cemetery. He was 48 years old and was well known to the local trade.

Miss M. C. Gunterberg is back from a well earned rest and is again at-

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, SMILAX, FERNS and OTHER GREENS are furnished at short notice.

SEND US A TRIAL ORDER.

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

tending to the wants of her many customers. She recently added several more growers to her list.

Mrs. Peter Obertinn and a party of friends from Kenosha, Wis., attended the afternoon performance of the Garden of Allah, at the Auditorium, October 24.

C. Clemenson, 7801 Railroad avenue, has the sympathy of the trade in the loss of his mother, whose death occurred October 21.

Philip Vitellow has opened up a store in the lobby of the Insurance building, 175 West Jackson boulevard.

Gust. Rusch, of Gust. Rusch & Co., Milwaukee, Wis., attended to some business matters here this week.

Buchbinder Bros., manufacturers of florists' refrigerators, are mailing their new illustrated catalogue.

Irving Freedman, with Lubliner & Trinz, was taken to the hospital this week for an operation.

Willie Sgoros, formerly with the Madison Floral Co., has opened a store

EVERYTHING IN SEASONABLE

CUT FLOWERS MUMS

Pompons-Violets-Carnations,
Greens, etc.

GIVE ME A TRIAL ORDER.

O. A. TONNER

Successor to H. V. Tonner
Wholesale Florist

162 N. Wabash Ave., CHICAGO
Phone, Central 3373

in the basement on the southeast corner of Randolph and Clark streets.

Mrs. H. E. Philpott, of Winnipeg, Can., is the guest of Mrs. A. T. Pyfer at Joliet.

A Big Crop of RICHMOND

Exceptionally fine long-stemmed stock. Positively the best on the market. Also a good supply of **Killarney, White Killarney, My Maryland and Sunrise Roses, Carnations, Chrysanthemums and Greens.**

CURRENT PRICE LIST.

AMERICAN BEAUTIES		Per doz.
Extra long stems.....		\$3 00
36 inch stems.....		2 50
30 inch stems.....		2 00
24 inch stems.....		1 50
20 inch stems.....		1 25
15 inch stems.....		1 00
12 inch stems.....		75
Short Beauties		50
Richmond		Per 100
Killarney	Short	4 00
White Killarney.....	Select	\$8 00
My Maryland.....	Medium	\$5 00 to 6 00

Mrs. Aaron Ward	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise.....	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations	2 00 to 3 00	
Chrysanthemums	per dozen 2 00 to 3 00	
Harrisii	per dozen 1 50 to 2 00	
Valley	3 00 to 4 00	
Adiantum	1 00	
Asparagus, per bunch.....	50	
Ferns, per 1,000	1 50 to 2 00	

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

Carnations

Plenty of good choice stock for everyone.

BEAUTIES

Finest flowers now arriving in the market.

ROSES—MUMS

Big supply of all the leading varieties. Also Very Fancy Pompons. Send Us a Trial Order Today.

Erne & Klingel

30 E. Randolph Street,

L. D. Phone,
Randolph 6578.
Auto. 41-716.

CHICAGO

CURRENT PRICE LIST.

AMERICAN BEAUTIES.	Per doz
36 to 48-inch.....	\$ 4 00
24 to 30-inch.....	\$2 50 @ 3 00
18 to 24-inch.....	2 00
12 to 15-inch.....	1 00 @ 1 50
ROSES.	Per 100
Richmonds.....	\$4 00 @ \$ 8 00
Killarney, white, pink.....	4 00 @ 8 00
My Maryland	4 00 @ 8 00
Mrs. Taft.....	4 00 @ 8 00
Sunburst.....	4 00 @ 8 00
Roses, our selection.....	3 00
Extra long, fancy.....	10 00
MISCELLANEOUS.	
Carnations, common.....	\$1 00 @ \$ 1 50
fancy.....	2 00 @ 3 00
Mums.....	1 50 @ 3 00
Orchids.....per doz., \$6 00 @ \$7 50	
Easter Lilies.....	12 50
Violets.....	.75 @ 1 00
Valley.....	3 00 @ 4 00
Adiantum.....	.75 @ 1 00
Asparagus Strings...each, 60c @ 75c	
Bunches.....25c @ 50c	
Boxwood.....Per bunch, 25c	
Sprenger Bunches...each, 25c @ 50c	
Smilax.....per doz., \$1 50 @ \$2 00	
Galax, green.....per 1000, 1 00	
bronze.....1 25	
Ferns....." 2 00	.20
Mexican Ivy....." 6 00	.75
Wild Smilax.....per case, 5 00	

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

MUMS and Pompons

White--Pink--Yellow

of good quality
in large quantities

VIOLETS Single--Double

Regular shipments of
exceptionally fine stock

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, Single, double.....	.75	.50					
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Pompons.....per bunch	.75	.50	.35				
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

Bassett & Washburn bought 1,200 yards of burlap to cover up their partly unfinished houses during the recent cold spell and thereby probably saved their carnations from being touched by the frost. As soon as Mr. Washburn received notification from the weather bureau that a killing frost was due he got busy and closed in the unprotected houses without delay. He was none too soon, for that same evening the thermometer dropped to 28°. This firm is now cutting from a crop of imported pompons.

E. B. Washburn and family left on October 25 for Pasadena, Calif., and will make their home with O. P. Bassett until they find a permanent location. Mr. Washburn's many friends in the trade wish him well and hope that he will soon regain his health.

Miss O. A. Tonner, who recently took over the H. V. Tonner wholesale store, is now conducting the business under her name. She handles a large supply of chrysanthemums and carnations and a general line of seasonable cut flowers and greens.

The Chicago Carnation Co. is booking orders right along for its new scarlet carnation The Herald. A. T. Pyfer says it is doing fine in his firm's greenhouses at Joliet and he cordially invites the trade to visit the plant and see it growing.

Wm. Hild, of Nilesville, South Dakota, was in the city on business this week. He placed an order with A. Dietsch Co., for greenhouse material and bought a hot water boiler from the S. Wilks Manufacturing Co.

Percy Jones reports business in the supply department as very good, especially in the ribbon line, of which a large supply is carried. Louis Finne- man, formerly with Weiland & Risch, is now with this firm.

Erne & Klingel have had a good call for American Beauty roses and are re-

ceiving regular shipments of these flowers. This firm has a good local business and is now going after the shipping trade.

J. J. Johnson of Johnson & Chronis wishes to deny the report that he is going to Europe to fight the Turks. He says he can get all the Thanks-giving turkey he wants in Chicago.

The J. B. Deamud Co. finds the demand for chrysanthemums very brisk and reports a good local trade. This house, as usual, is well supplied with green goods of all kinds.

Chas. Samuelson is running a very neat display advertisement in the south side cars, American Beauties and violets are shown in colors.

Miss Gillam, daughter of Mrs. — Gillam of the Belmont Floral Co., is continuing her studies in botany and landscape gardening.

Sadie Blackley has opened a new flower store at 3101 Cottage Grove avenue under the name of the Columbia Florist.

Harry H. Hunt, of Hunt Bros., who opened a retail store at 3406 North Clark street, is doing a good business.

D. E. Freres is finding ready sale for the fine roses that he is receiving from Adam Zender's greenhouses.

J. Palus & Son have two houses of fine poinsettias which Mr. Palus says will be just right for Christmas.

Joseph Broeckl has opened a new flower shop at 2927 Evanston avenue.

Visitors: Gust. Rusch, with Gust. Rusch & Co., Milwaukee, Wis.; R. A. McPherson, manager of the Cottage Greenhouses, Litchfield; Geo. Crabb, with Crabb & Hunter, Grand Rapids, Mich.; William Hild, Fort Pierre, S. Dakota; Samuel Seligman, representing Wertheimer Bros., New York; Julius Dilloff, representing Schloss Brothers, New York; J. S. Wilson, Des Moines, Ia.

MUMS

White—Pink—Yellow

POMPONS

Good Supply—Best Varieties

CARNATIONS

All Grades—All Colors

ROSES

GOOD STOCK—LEADING VARIETIES

SEND TRIAL ORDER

D. E. FRERES

WHOLESALE FLORIST

162 N. Wabash Avenue, Chicago

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog.

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street,

CHICAGO

We Sell the BEST CUT FLOWERS obtained from the Most Expert Growers. That's the reason that ours is "THE BUSIEST HOUSE IN CHICAGO."

PHONES: L. D. Central 3155; Automatic 44-389.

MUMS

Extra large White, Pink and Yellow Blooms of the finest possible quality in large quantities. Also single and double Violets, Roses, Carnations, Cosmos, Valley, Lilies and Greens. :: :: :: :: :: :: :: :: ::

Mail Orders Receive
Our Special Attention.

J. B. DEAMUD CO.,

160 N. WABASH AVE., CHICAGO.

Cut Flowers AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

St. Louis.

FROST FINALLY COMES.

At last we have had a frost and from now on it is to be hoped that trade will pick up. All flowers are plentiful, especially American Beauty roses. Carnations and other flowers are not bringing fancy prices, the chrysanthemums influencing the market. A week or so of cool weather will improve the sales of violets. Greens of all kinds are in demand, including galax and magnolia leaves. Ruscus is seen in all the wholesale houses.

NOTES.

Ostertag Bros. have issued a business card which reads: "Buy your flowers on the presidents' corner, Washington avenue and Jefferson." Pictures of Uncle Sam, Washington and Jefferson, adorn the card. This firm is up to date and original.

Officers of the Florists' Club met at the Wm. C. Smith Wholesale Floral Co. to make arrangements for the reception of President Vincent of the S. A. F., who will deliver a lecture at the December meeting on the International Flower Show.

Charles R. Felton, son of R. F. Felton, florist to His Majesty King George of England, stopped over at St. Louis to visit his brother. He was enroute to New Orleans, where he will enter the employ of Harry Papworth.

The Kings Highway Floral Co. had an opening Saturday and Sunday. This store was formerly occupied by Dunford, the Florist. Miss Charlotte V. Hale, formerly with the Ellison Floral Co., will run the store.

A preliminary chrysanthemum show is now going on at Shaw's garden. The regular annual chrysanthemum show will take place in tents raised for the occasion in about two weeks.

Chas. Schoenle died suddenly at his residence over the store, 2255 La Fayette avenue, October 29. The funeral will take place Thursday, October 31, at 2 p. m.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

A. C. Canfield of Springfield, Ill., is shipping quite heavily to the St. Louis market. The Windler Wholesale Floral Co. receives his consignments.

Grimm & Gorly had a fern sale the past week. They have bought out the stock and fixtures of J. Brunsmann, 4243 Easton avenue.

The Diener Floral Co. was represented at the South Broadway merchants' automobile parade last Wednesday.

The Windler Wholesale Floral Co. has a fine assortment of supplies and gets a good supply of all cut flowers in season.

Samuel Seligman, with Wertheimer Bros., New York, and his assistant, R. E. Hall, late of Reed & Keller, are in town.

The Wm. C. Smith Wholesale Floral Co. is receiving large quantities of chrysanthemums from local and Illinois growers.

C. A. Kuehn is handling some fine American Beauty roses and chrysanthemums. He has a fine line of supplies.

The flowering plants are stripped from the parks and are now stored in the greenhouses at Forest Park.

Some very fine lily of the valley was seen at G. H. Angermueller's; also a fine lot of chrysanthemums.

The Alexander Floral Co. is doing a nice trade at its retail store on Locust street.

C. Young & Sons are out with their new automobile delivery machine.

Billy Winters and Fred Ude are cutting a nice lot of violets.

John Barnard is having good success in his new store.

W. F.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

Won Lost		Won Lost	
Roses	11 7	Carnations ..	8 10
Violets	10 8	Orchids	7 11

Individual and team scores for games played October 23:

Orchids.		Carnations.	
Ross	134 134 130	Lorman ..	160 104 136
Graft	141 191 170	Lieb'm'n ..	147 204 136
Cohen	134 142 134	Vilter ...	153 137 110
Riley	163 105 123	Armstrong.	125 190 119
J. Zech... 176	159 141	A. Zech... 108	167 189

Totals. 748 731 698

Totals. 773 802 690

Roses.		Violets.	
Goerlach ..	135 148 137	A. Huebner	147 160 154
Kreutz ..	137 123 154	Jacobs ..	156 208 114
Stenquist.	129 139 135	Cole	144 155 162
Price	155 150 181	Schultz ..	177 198 201
Fischer ...	180 215 118	J. Huebner	145 158 159

Totals. 736 775 725

Totals. 769 879 780

COUNCIL BLUFFS, IA.—The Southwestern Iowa Horticultural Society will hold its annual meeting here in December.

SAN DIEGO, CALIF.—The annual chrysanthemum show of the San Diego Floral Association was held October 15-17.

WACO, TEX.—The greenhouses of the Mohan Floral Co., of which James Mohan is proprietor, were damaged by fire October 12.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
Rogers Park 227—Nursery.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Oct. 30.	Per doz.
Roses, Beauty, specials.....	3 00
" " 36-in.....	2 50
" " 30-in.....	2 00
" " 24-in.....	1 50
" " 15-20-in.....	1 25
" " 12-in.....	75@ 1 00
" " Short.....	4 00@ 8 00
" Killarney.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Kaiserin Augusta Victoria.....	3 00@ 8 00
" Lady Hillington.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 3 00
Cattleyas..... per doz.,	6 00
Chrysanthemums, doz.,	2 00@ 4 00
Pompons, bunch,	50@ 1 00
Gardenias.....	1 50@ 2 00
Lilium Harrisii.....	12 00
Orchids, Dendrobium, per doz.,	5 00
Valley.....	2 00@ 4 00
Violets, Princess of Wales.....	75@ 1 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000,	1 50@ 2 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000,	5 00
Plumosis Strings, each,	50@ 60
Smilax..... per doz.,	1 50@ 2 00
Sprengeri, Plumosis Sprays.....	3 00@ 4 00

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of CUT FLOWERS

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO



U S Budlong's E Blue Ribbon Valley.

MINNEAPOLIS, MINN.—The Hiawatha
Gardens Co. will build a new office
and a greenhouse.

WEBSTER CITY, IA.—The Curtis
Floral Co. will soon complete one of
the most modern and best equipped
greenhouses in the state.

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ransstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

U S Budlong's E Blue Ribbon Valley.

Philadelphia.

CHRYSANTHEMUMS SELL WELL.

We have had two or three chilly days but little frost, and the dahlias are still with us. The crop is uncertain, however, as they do not mature well, and quite a number of stores have cut them out. The chrysanthemum is now the whole show and makes up by far the greatest part of the decorative effect in the flower shops. Some superb flowers are seen. Bonnaffon is here in all its glory. Florence Harris is another good sort. Chrysolora, the new yellow, is a grand flower. Many of the old favorites, such as Halliday, Early Snow, Pacific Supreme, Mrs. Hurley, Ivory and others find a good sale. Prices are good for the season, and considering the quantity coming in the market cleans up very well. Of the roses, Killarney is too plentiful. All the Tafts are quickly picked up every day. Mrs. Ward is also a good seller. Sunburst and Hillingdon are also in good demand. American Beauties do not accumulate to any extent, and prices are well maintained. Carnations are good but move sluggishly in the face of so much competition. Orchids seem to be overstocked, as some of the street men are

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Oct. 30.	Per 100
Roses, Beauty, extra.....	20 00@35 00
" first.....	8 00@16 00
" Brides and Maids.....	4 00@10 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., 1 00@3 00	
Dahlias.....	2 00@ 4 00
Gardenias..... per doz., 1 00@2 00	
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Marguerites.....	75@ 1 00
Snapdragons.....	3 00@ 6 00
Sweet Peas.....	40@ 50
Adiantum.....	75@ 1 00
Asparagus..... per bunch, 50	
Smilax.....	15 00@20 00

PITTSBURG, Oct. 30.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch, 35@40	
Sprays..... per bunch, 35@40	

MILWAUKEE, Oct. 30.	Per 100
Roses, Beauty, per doz., 75@3 00	
" Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@10 00
Carnations.....	2 00@ 3 00
Chrysanthemums, white and yellow..... per doz., 1 00@ 3 00	
'Mums, Pompons..... per bunch, 50	
Lilium Giganteum..... per doz., 1 75	
Lily of the Valley.....	3 00@ 4 00
Violets.....	1 00
" Single.....	1 50
Adiantum.....	1 50
Asparagus..... per string, 50	
" Sprengeri, per bunch, 25@ 35	
Ferns, Fancy..... per 1000, 1 50	
Oak Sprays, prepared.....	1 00

offering them. Gardenias have shortened up and prices are firm. Violets are better, some very good New York doubles being seen

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St.,
Both L. D. Phones. ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

FRESH CUT VALLEY

Choice Quality

Received Every Day

Your Orders Solicited

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Beauties.

\$1.00-4.00 per dozen. Splendid flowers and a dependable supply. We will be extra strong on Beauties during the entire season.

Cattleyas.

\$6.00 per dozen. Packed with unusual care, every flower will reach you in good condition.

Gardenias.

\$2.00-\$3.00 per dozen. A fresh supply every morning. The best you will find anywhere.

THE LEO NIESSEN CO., Wholesale Florists,
N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

MONTREAL FLORAL EXCHANGE, LTD.

Frank McKenna, Pres. Wm. Cotter, Mgr.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION
furnished at short notice. Consignments solicited.
Canadian Grown Flowers a Specialty.
Strictly Wholesale. Best of references.
123 Mansfield Street, MONTREAL, P. Q

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.
American Beauty, Valley, Carnations,
Killarney, Richmond, Maryland, and
other seasonable stock. :: :: ::

Wholesale Flower Markets

BUFFALO, Oct. 30.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@4 00
Maid and Bride.....	3 00@6 00
Pink Killarney.....	3 00@6 00
White Killarney.....	3 00@6 00
Richmond.....	3 00@8 00
My Maryland.....	3 00@6 00
Kaiserin.....	3 00@8 00
Carnot.....	3 00@7 00
Carnations.....	1 00@2 50
Chrysanthemums, white.....	8 00@20 00
" " yellow.....	8 00@15 00
" " pompons, per bunch.....	35@50
Dahlias.....	1 00@2 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@4 00
Pink Japan Lily.....	3 00@4 00
Swainsona.....	50@1 00
Violets.....	50@60
Adiantum Croweanum.....	75@1 50
Asparagus, per bunch.....	35@50
Asparagus, Sprenger.....	35@50
Ferns.....	per 1000, \$1 50
Galax.....	per 1000, \$1 50
Smilax.....	15 00

BOSTON, Oct. 30.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	2 00@4 00
" " White and Pink Killarney.....	1 00@6 00
" " Extra.....	4 00@8 00
" " Taft.....	2 00@12 00
" " Cardinal.....	4 00@12 00
" " Ward and Hillingdon.....	9 00@12 00
" " Killarney and Richmond.....	2 00@8 00
" " My Maryland.....	2 00@8 00
" " Carnot.....	6 00@8 00
Carnations, select.....	1 50@3 00
Callas.....	8 00@12 00
Cattleyas.....	35 00@50 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@4 00
Sweet Peas.....	50@1 00
Smilax.....	12 00@16 00

CINCINNATI, Oct. 30.	Per doz., 50@3 00
Roses, Beauty.....	per doz., 50@3 00
" " Bride, Bridesmaid.....	2 00@8 00
" " Killarney.....	2 00@8 00
" " My Maryland.....	2 00@8 00
" " Perle.....	2 00@8 00
" " Richmond.....	2 00@8 00
" " Taft.....	2 00@8 00
Chrysanthemums, doz. 1 00@3 00	
Carnations.....	2 00@3 00
Callas.....	12 50
Lilium Giganteum.....	12 50
Lily of the Valley.....	3 00@4 00
Orchids.....	per doz., 6 00
Sweet Peas.....	50
Violets.....	50
" " double.....	1 00
Adiantum.....	50
Asparagus Plumosus.....	per bunch, 25
Asparagus Sprenger.....	per bunch, 25



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

St. Louis, Oct. 30.	Per 100.
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@6 00
" " Killarney.....	2 00@4 00
" " My Maryland.....	3 00@5 00
" " White Killarney.....	2 00@6 00
Chrysanthemums, small.....	6 00@10 00
" " large.....	15 00@25 00
Easter Lilies.....	10 00
Lilium Rubrum.....	5 00@6 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy.....	1 50

ROCKFORD, ILL.—Swan Peterson of
Gibson City has leased the green-
houses formerly operated by C. H.
Woolsey and has made extensive im-
provements.

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

BUSINESS VERY POOR.

The business of the past week was very unsatisfactory in both the wholesale and retail trade. On October 23 there was a continuous downpour of rain which practically paralyzed business for that day and the two following days were dark and gloomy. The sun came out on Saturday and it was the one day of grace that saved the business of the week from pitiful slaughter. Stock, particularly chrysanthemums, has been pouring in, and under the above named conditions it has been puzzling to the wholesalers to know what to do with it. Chrysanthemums as usual at this season overshadow all other stocks, but there is no scarcity of the others. The chrysanthemums are very fine and the big fellows are already arriving. It has been noted that they are earlier this year than usual, which increases the congestion. There is always a demand for roses no matter what is on the market, but they have been moving very slowly and there is very fine stock at that, considering the season. Carnations are very hard to move but that is not surprising considering the other stocks that are all about. There has been no frost in this vicinity and dahlias and cosmos are yet arriving in quantity. Lilies are plentiful and cheap, in fact at the prices some of the big department stores are advertising all cut flowers in the daily papers, it would seem that they are extending an invitation to the regular retailers to get off the earth. However, present conditions cannot long continue. New retail stores are being opened, generally by young but experienced men, and throughout there is an atmosphere of optimism.

New York, Monday, October 28.—The market is better this morning. The supply of stock is somewhat lighter and there is a slight advance in the price of some stocks. The weather is clear and bracing and the general outlook is encouraging.

NOTES.

The publicity committee of the New York Florists' Club is active in a new scheme to popularize flowers. Large colored Halloween posters have been sent to all retailers. The illustration on the poster is of a bunch of yellow chrysanthemums, and a yellow pumpkin carved as a mask, just as we fixed them for putting a candle in when we were boys. A number of copies of a circular entitled "Flowers for Halloween" accompanied the posters—one to be placed in each box of flowers delivered to customers.

It having been reported that a new retail store on Madison avenue would be "headquarters for Briarcliff roses," Joseph Millang, general manager of the New York Cut Flower Co., authorizes us to state that his company handles the Briarcliff roses exclusively at wholesale. As is generally known, these roses are grown by the F. R. Pierson Co., Tarrytown, and in the future, as in the past, the New York Cut Flower Co. will be their only headquarters in this city, says Mr. Millang.

Young & Nugent arranged a very beautiful wedding decoration, October 23, in the Church of the Advent, Broadway and Ninety-third street. The occasion was the marriage of Miss Ernestine Josephine Sierck to Edward P. Alker. The tasteful arrangement of a great number of chrysanthemums with autumn foliage won much favorable comment. The decoration was under the personal supervision of John B. Nugent, Jr.

The patriotic hearts of the Greeks of this city, many of whom are florists, are being fired by the news of the success attending the armies of their fa-

therland in the war with Turkey. At the Subway Florists, 283 Lenox avenue, they show with pride a photograph of Wm. H. Zois, one of their former associates in the business, but now wearing the uniform of a Greek soldier.

Kammann & Crowley have opened a handsome retail store at 31 West Fifty-eighth street. The senior member of this firm has for a number of years been well and favorably known in the retail trade of this city. His partner is a Newport, R. I., man and they will also have a store at that city. They have also the flower concession in the new Vanderbilt Hotel.

At one of the leading hotels, on October 23, there was a fine display of chrysanthemums decorating the luncheon tables. It was a matter for comment that they were not of the cheaper sorts, but the real exhibition varieties. It was the finest exhibit that has been seen in this city so early in the season. The decoration was by J. H. Small & Sons.

Clarence Slinn of Spring Valley, formerly with his brother, B. S. Slinn, Jr., in the wholesale business, recently went into business for himself, in the Coogan Building. Assuming that it is not good for man to be alone, he has married Miss Helen Bloomfield, a bright and intelligent young lady of this city.

George Hildenbrand, the popular retail florist of Washington Heights and formerly a familiar figure in the wholesale district, is the father of a new boy, born October 2. This makes three boys in the Hildenbrand family.

Traendley & Schenck are handling a big cut of chrysanthemums from Komitsch & Junge, Secaucus, N. J. They are also receiving much good stock from other growers.

H. E. Froment, who handles the immense rose cut of the L. B. Coddington range, Murray Hill, N. J., is now very busy with both roses and chrysanthemums.

William Kessler, who wholesales both plants and cut flowers at his 28th street store, is now very busy sending out evergreens for winter boxes.

Robert Pressfreund, who for the past fifteen years has conducted a retail store at 154 Third avenue, has opened another at 3493 Broadway.

M. C. Ford is handling fine stock of new crop sweet peas in addition to large consignments of chrysanthemums.

MILADY

Is Coming Out!

We shall disseminate in March the new red forcing Rose "**MILADY.**" Look for it at the fall shows! We believe this variety means commercial, profitable red roses. It has color, size, substance fragrance and productiveness.

We invite you to visit our place and see it growing.

A. N. PIERSON, Inc.,
CROMWELL, CONN.

Visitors: W. F. Kasting, Buffalo; Wallace Pierson, Cromwell, Conn.; J. F. Sullivan, Detroit, Mich.

A. F. F.

Rochester, N. Y.

Business for the week ending October 26 shows signs of improvement. There are lots of chrysanthemums on the market, but they are not so large as one might expect. There is an over supply of Easter lilies, but the quality is fine. Callas are coming in. Valley is good but scarce and does not meet the demand. Orchids are of good color and size. Roses are good and prices keep about as usual.

THE FLOWER SHOW.

At the suggestion of President John Dunbar, of the Florists' Association, the general committee for the third Rochester Flower Show has decided to have the inmates of the orphanage and similar institutions as guests at the show. The meeting of the committee was held at the Hotel Seneca with Chairman Charles H. Vick presiding. Ferdinand J. Keller, chairman of the committee on decorations, reported that the plans had been completed.

NOTES.

Geo. T. Boucher had a very attractive window last week. Yellow and white chrysanthemums were used in the center, surrounded by a low green fence. On either side was grouped Boston and Whitmanii ferns.

E. R. Fry reports business as very good. Something like 250,000 bulbs, chiefly tulip and narcissi, are being planted in the various parks of the city, according to one of the head gardeners.

H. E. Wilson has a very attractive Halloween window this week. Corn pumpkins and autumn foliage are used.

Julius Berg of Lion & Co., New York, called on the trade this week and reported business as exceptionally good.

The chrysanthemums at the greenhouses of H. E. Wilson are looking fine.

Miss Rose Ella Brown began work again October 26 at H. E. Wilson's.

H. H. Radcliffe of Greenwood, Del., was in the city this week.

Henry P. Neun had a very large wedding for October 28.

Charles Gow visited Buffalo October 27.

H. J. H.

ANNOUNCEMENT

The Albany Cut Flower Exchange

Thos. Tracey, Manager
Wholesale Only.

76 Maiden Lane, ALBANY, N. Y.

All Seasonable CUT FLOWERS, FLORISTS' SUPPLIES, GREEN GOODS furnished at short notice. ☐ We are Sales Agents for several large cut flower growers in this vicinity. ☐ We hope to supply florists in Albany and make this city a distributing point. ☐ Where those engaged in business in New York State, Vermont and Western Massachusetts can have orders filled with promptness and at reasonable market prices. ☐ Don't send for flowers to other cities when you can buy near home.

Consignments Solicited.

Telephone Connection.

PHILADELPHIA

NEW YORK

WASHINGTON



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue, NEW YORK

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper: your card, etc., in black, and leaf
adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request.
Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

M. C. FORD

Successor to FORD BROS.

Receivers and **FRESH FLOWERS.**
shippers of

121 West 28th St. NEW YORK

Telephone 3870-3871 Madison Square.

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Wholesale Flower Markets

NEW YORK, Oct. 30.	Per 100
Roses, Beauty, special.....	15 00@25 00
" " extra and fancy ..	10 00@15 00
" " No. 1 and No. 2....	2 00@ 6 00
" Bride, Bridesmaid special	2 00@ 4 00
" extra and fancy.....	1 00@ 3 00
" No. 1 and No. 2.....	50@ 1 00
" Killarney, My Maryland..	4 00@ 8 00
" " extra and fancy 2 00@	4 00
" " No. 1 and No 2 ..	50@ 1 00
" Taft, Hillingdon, Aaron	50@ 6 00
" Ward.....	50@ 4 00
" Richmond.....	2 00@ 40 00
" Sunburst, special.....	6 00@10 00
Asters.....	50@ 1 00
Carnations.....	1 00@ 2 00
Cattleyas.....	25 00@50 00
Chrysanthemoms.....	2 00@ 40 00
Gardenias.....	4 00@15 00
Lilies, Longiflorum and Harrisii	2 00@ 4 00
Lily of the Valley.....	2 00@ 3 00
Violets.....	15@ 35
Adiantum Croweanum.....	15@ 50

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

1888

1912

GUNTHER BROS.

Wholesale Florists

110 West 28th Street,
Tel. 551 Madison Square NEW YORK
CONSIGNMENTS SOLICITED.

Cleveland Flower Show Nov. 14, 15, 16.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, - - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA

Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
moss.

1.50 per barrel.

JAMES DAY, - MILFORD, N. H.

Mention the American Florist when writing



The Meyer Green Silkaline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with
this Strong, Smooth Thread. For more
than a quarter of a century a Prime
Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50 per 1000. Case 10,000, \$7.50
Wild Smilax, always on hand.....\$0.50 per 1000. Case 10,000, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 1000. Case 10,000, \$7.50
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket.....\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

All greens guaranteed to come up to your standard of quality. **BEST REFERENCES.**

Green Galax.....40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....70c per 1000, 3.25 per case (5,000)
Fancy Fern.....65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment.
No orders too small to have our attention.

BANNERS ELK, N. C.

DESERT HOLLY

Something New for
Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white
waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its
beauty. 50c and \$1.00. Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.
Crates 2x2x2½ feet, F. O. B. Amargosa, \$5.00. Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.
Northern Michigan Evergreen Nursery,
H. Schuenemann.

S.-W. cor. Clark St. Bridge, CHICAGO.

Mention the American Florist when writing

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

Mention the American Florist when writing

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

Always mention The American Florist
when you order stock. ::

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heintl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

Brooklyn, N. Y.

Telephone
334 Main

S. MASUR

236 Fulton Street,

Mail, Telephone and Telegraph orders filled promptly for all occasions.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

November 8.

FROM QUEBEC, Victorian, Allan.

FROM PHILADELPHIA, Marquette, Red Star,

10 a. m.

November 9.

FROM MONTREAL AND QUEBEC, Graupian,

Allan.

Cameronia, Anchor, 9 a. m., Pier 64, North

River.

FROM BOSTON, Saxonia, Cunard.

Rochambeau, French, 3 p. m., Pier 57, North

River.

New York, American, 9:30 a. m., Pier 62,

North River.

FROM PHILADELPHIA, Merion, American, 10

a. m.

FROM BOSTON, Canopic, White Star, 10 a.

m.

FROM MONTREAL, Laurentic, White Star,

at daylight.

Pennsylvania, Ham-Amer., 10 a. m.

FROM MONTREAL, Saturnia, Donaldson.

Eastern Prince, Prince.

Thames, Royal Mail, Pier 42, North River.

November 10.

FROM MONTREAL, Sicilian, Allan.

Gordon Castle, Norton.

November 12.

Noordam, Holland-America, 10 a. m.

Kronprinz Wilhelm, North Ger. Lloyd, 10 a. m.

November 13.

Finland, Red Star, 10 a. m., Pier 61, North

River.

Laura, North Ger. Lloyd, 1 p. m.

November 14.

La Lorraine, French, 10 a. m., Pier 57, North

River.

Bremen, North Ger. Lloyd, 10 a. m.

November 15.

FROM MONTREAL AND QUEBEC, Tunisian,

Allan.

Moracas, Trinidad, Pier 24, Brooklyn.

November 16.

FROM MONTREAL AND QUEBEC, Pretorian,

Allan.

Caledonia, Anchor, 12 noon, Pier 64, North

River.

Caronia, Cunard.

Pannonia, Cunard.

Chicago, French, 3 p. m., Pier 57, North

River.

St. Paul, American, 9:30 a. m., Pier 62, North

River.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Mention the American Florist when writing

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Mention the American Florist when writing

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heiml & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg P. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Masur, S., Brooklyn, N. Y.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex. New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Weber, F. H., St. Louis, Mo.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.**High Grade Cut Blooms.**

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

**WASHINGTON****D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, Floral Co.
President.**

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—S. Masur.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, E. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schilling, 22 W. 59th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Louis, Mo.—F. H. Weber.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heini & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : ;

Phone 2416 Main, 14th & Eye Sta., N. V.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS
PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hehl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

Baltimore.

HARD FROST NEEDED.

The past month has been almost ideal as to weather conditions, with clear, bright days and not cold enough to kill the foliage which has been gorgeous in all the rich autumn tints. What we need now is a good hard frost—one that will help the florists by finishing the outdoor stuff, which is poor now. Dahlias, like all outdoor flowers, have become poor in quality since the last rain.

NOTES.

The range of Lehr Bros. is looking in fine shape just now. They are not growing as many carnations as formerly and have gone into roses extensively. They have lately installed an electric motor for pumping water and it is giving great satisfaction so far. Mr. Lehr and John Rider have recently motored to Washington in Mr. Lehr's car.

The regular meeting of the Gardeners' Club was held Monday, October 27, at the club rooms. Much interest is being shown in the coming exhibition of the Maryland State Horticultural Society at the Fifth regiment armory. This is always a fine affair and each year shows improvement. Both fruit and flowers are shown here to perfection.

Miss Anderson, daughter of A. Anderson, has returned to Philadelphia, Pa., to take a class in domestic science. Miss Anderson graduated from Drexel Institute in June and is the youngest teacher of that branch in Philadelphia.

A. Anderson finds that his new auto is a great time-saver in getting his flowers to the city. Nearly all the florists of this vicinity have gone in for machines and so far all seem satisfied with the change.

I. H. Moss is cutting a fine lot of cold storage liliun giganteum. His roses are looking well. Poinsettias promise well for the Christmas sales.

John Rider, a carnation grower in the vicinity of Lehr Bros., has C. W. Ward, White Perfection and Enchantress all blooming finely.

B.

Albany, N. Y.

The Albany Cut Flower Exchange of Albany, N. Y., recently was organized and will be incorporated with \$25,000 capital stock. The officers are: Edward P. Tracey, president; Patrick Welch, Boston, Mass., treasurer; Thomas Tracey secretary and manager. The company will have its headquarters at 76 Maiden Lane and will cater to florists in eastern New York, Vermont, and western Massachusetts. It will carry a line of green goods and act as sales agent for growers. Edward P. Tracey, the president, is a member of the firm of Meany & Tracey, proprietors of the Rosery. Mr. Welch is in the supply business in Boston and is well known in the trade. Thomas Tracey is a brother of the president and for some time has been in the employ of W. C. Gloeckner, 97 State street.

R. D.

Schenectady, N. Y. Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

..... 634 Fourth Avenue.

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

St. Louis, Mo.

The Most Central Location in City.

F. H. WEBER,
Boyle and Maryland Aves.

CUT FLOWERS AND PLANTS.

Phones: Bell, Lindell 2153; Kinloch, Delmar 768

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

FLOWER COLORS

Use our Color Chart in describing them.

PRICE, \$1.00, POSTPAID.

AMERICAN FLORIST CO.
440 South Dearborn Street, CHICAGO

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Deliver

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	36.....	\$ 2 50	\$30 00
3-in.	5	12.....		2 00	7-in.	4	36 to 40.....	3 00	36 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	40 to 42.....	4 00	48 00
5-in.	6 to 7	18.....	50	6 00	9-in.	4	42 to 48.....	5 00	60 00
6-in.	6 to 7	24.....	1 00	12 00	9-in.	4	48 to 54.....	6 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	28 to 30.....	1 50	18 00	12-in.	4	5½ to 6½ ft.....	15 00	
Coccos Weddelliana					Phoenix Roebelenii				
Pot	In. high	Each	Doz.	Per 100	Pot	Plants	In. high	Each	Doz.
2½-in.	8 to 10.....			\$10 00	5-in., nicely characterized				\$1 00
					6-in., 18 to 20-in. spread.....				1 50
					Cedar tub	High	Spread		Each
					7-in.	18-in.	24-in.		\$2 00
Areca Lutescens					Cibotium Schiedei				
9 in.	Several	5 ft.		\$7 50	Cedar tub	Spread			Each
					7-in.	2 to 2½ feet.....			\$2 00
					9-in.	4 feet.....			4 00
					9-in.	5 feet.....			5 00
					9-in.	6 feet.....			6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,
Wyncote, Pa. Railway Station.
Jenkintown.

Geraniums.

Rooted Cuttings, Quality Stock.

The kind it pays to buy. Carefully grown, carefully rooted—packed to reach you in good growing condition.

Ricard and Poitevine, \$15.00 per 1000.

S. A. Nutt, \$12.50 per 1000.

Carnations and Coleus in season. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATION FIELD PLANTS

	100	1,000
White Enchantress.....	\$7 00	\$60 00
Washington.....	7 00	60 00
Dorothy Gordon.....	7 00	60 00
Beacon.....	6 00	50 00
May Day.....	5 00	40 00
Sangamo.....	5 00	40 00

HEALTHY, WELL BRANCHED STOCK
250 AT 1,000 RATE.

DES PLAINES FLORAL CO.
DES PLAINES, ILL.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.
Mention the American Florist when writing

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress, -	\$6.00	\$50.00
Enchantress, -	6.00	50.00
C. W. Ward, -	6.00	50.00
Pink Delight, -	6.00	50.00

F. F. SCHEEL, SCHERMERVILLE, ILL.

FERNS.

A choice lot of 4-inch

BOSTONS

At 10 Cents Each.

Also a fine lot of

Bench Grown Roosevelts

Ready for 4 and 5-in. pots,

15 Cents Each.

They are worth more money but we need the room

ADDEMS, MORGAN & CO.,
PAXTON, ILL.

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

	Per doz.
2 foot Elm Bark Canoes.....	\$4.00
3 foot.....	6.00
6 in. Birch Bark.....	1.00

Order a few of each size.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides, Chinese, Forbesi, Obconica Alba, Rosea, Lilac, Rubra, Hybrida, Compacta, Carmine, Blue, Sanguinea, Kewensis.

Double Petunia

10 kinds, 2-in.....\$2.00 per 100

Snapdragons

Giant White, Red, Yellow, Pink, 2 in., \$2.00 per 100

Pansies

Giant varieties.....\$2.50 per 1000

Yellow Daisy, 2½-in.....2c

Flowering Begonias, 6 kinds, 2-in.....1½c

Cash. **BYER BROS., Chambersburg, Pa.**

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
P. O. Berlin, N. J. Williamstowne Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

SOME of the onion set experts predict that low prices will prevail later on.

DUTCH bulbs have been in brisk demand and many varieties are already sold out.

VISITED CHICAGO: M. H. Duryea, New York; Watson S. Woodruff, Orange, Conn.

CHINESE lilies (narcissus) are very scarce, one large consignment having reached this country in a worthless condition.

CHICAGO.—Prices on the Board of Trade October 30 for grass seed were noted as follows: Timothy, \$3.50 to \$4.25 per 100 pounds.

NEW YORK.—Business has been unusually brisk during the past two months with S. D. Woodruff & Sons. Advance orders for seeds, seed potatoes and onion sets far exceed anything that was ever booked by this house in former years. All of their salesmen are turning in record business and the trade in general seems to realize the shortage in such items as carrot, beets, parsley, turnip and Globe onion, and to these soon will be added sweet corn, beans and peas.

Danish Cabbage and Cauliflower Seed.

Odense, October 16.—Plenty of cauliflower has been grown and the early varieties are now harvested. The yield is expected to be about an average. Of the later varieties the yield will be rather poor as some fields suffered from early frost.

Cabbage plantations were not so large as usual and the plants suffered severely during the hard winter. The yield will be below the average.

D.

The Late Wm. F. A. Kendel.

After a lingering illness extending over many months, William F. A. Kendel, younger son of the late A. C. Kendel, of Cleveland, O., and brother of C. E. Kendel, secretary of the American Seed Trade Association, passed away October 22, 1912. Mr. Kendel entered the seed business at sixteen years of age and had completed a period of over twenty-four years when death cut short his activities in the prime of life. He had many friends in his own community and elsewhere, being amiable and of an attractive personality, and his untimely end has been a great shock. He numbered among his friends many of the most prominent and influential citizens in his locality. He had the management of the financial end of the business and his rigid honesty and prompt dealings placed the firm on a high financial basis. His equal will be hard to find. The business, known as A. C. Kendel's Seed Store, will be continued by the surviving partner, C. E. Kendel, without change of the firm name.

Holmes Seed Co.'s New Home.

The Holmes Seed Co., of Harrisburg, Pa., of which Harry L. Holmes, first vice-president of the American Seed Trade Association is the head, has leased new quarters at 119 South Second street, and will move from the old quarters as soon as some minor improvements are made. The new home is a four-story building and the entire structure will be occupied by this rapidly growing seed firm. A floor space of more than 20,000 square feet will give the business room to expand, which is what it wants.

Mr. Holmes established the business 16 years ago, after serving long and faithfully in the mail order department of another seed house. In all, his experience in the seed trade covers a period of 36 years. He started the present business in a modest way and six years later was compelled to move to his present location, 9 North Market square, for lack of space. These quarters again proved inadequate, and some time later Mr. Holmes moved his wholesale vegetable seed department to a large warehouse on Tenth street.

The new home will give the firm ample room for several years and it is conveniently located, being within easy distance of all the railways. It is said that the Holmes company did more than twenty times as great a business this year as all the seed firms

of Harrisburg combined did before Mr. Holmes went into the business for himself. This season the firm broke its record by the sale of 564 tons or 1,126,696 pounds of seeds.

Rain Ruins English Crops.

The local [English] press intimates that estimates of British autumn and winter trade prospects must be modified by reason of the grave disaster to the agricultural industry during August, because of the abnormal rainfall which washed away a large tonnage of hay and almost ruined the cereal crops. These losses, together with the outbreaks of the foot and mouth disease, "make it extremely probable that the present year will prove to be the most disastrous for British agriculture since 1879," a calamity which, it is remarked, must in some degree prejudice every branch of the home trade, and the outlook for some departments of industry is rather gloomy, "though at present the general industrial position is satisfactory with an abundance of work in manufacturing trades, full employment being the general rule."

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—



Steam Plow on Our New Palo Alto Ranch. Stanford University Campus in the Background.

Pieters-Wheeler Seed Co.

Beginning Nov. 1st, will make **HEADQUARTERS** at

PALO ALTO, CALIFORNIA

¶ Adjoining Stanford University, 30 miles south of San Francisco on the Coast Line of the Southern Pacific R. R., where we will have excellent shipping facilities.

¶ We will continue to grow seed at San Juan and Hollister, but our Headquarters Ranch and Office will be located at **Palo Alto, California**, where all correspondence should be addressed.

¶ We have some very choice **Surplus Stocks of Onion Seed**, viz.: **Southport Red Globe; Yellow Globe Danvers, Pieters-Wheeler Select; Prizetaker; White Portugal; True Yellow Strassburg**; also a few kinds of both **Sweet Peas** and **Lettuce**. Will be glad to quote **specially low prices** to those interested.

¶ We will be in a position to make the lowest possible prices on **1913 CONTRACTS** on very Choice Strains of **Carrot, Lettuce, Radish, Sweet Peas**, etc.

¶ Our **ONION STOCKS** will be the **VERY BEST**.

¶ It will pay you to let us figure with you when ready.

PIETERS - WHEELER SEED CO.

PALO ALTO, - - CALIFORNIA

Kentucky Blue Grass.

Extra choice fine, bright seed,
crop 1912, 23 lbs. to a bushel.

In lots of 100 lbs., - - \$9.50
In lots of 500 lbs., - - 9.25
In lots of 1000 lbs., - - 9.00

Ask for price in lots over 1000 lbs.
Prompt and future delivery.

De Giorgi Brothers, Council Bluffs,
IOWA.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Ellicott Sts., Baltimore, Md.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100.. \$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

QUALITY SEED BULBS SEND FOR CATALOGUE

ARTHUR T. BODDINGTON
342 West 14th St., New York.



Fall Bulbs Just a Few More Left.

The Bulbs we offer below are all of our Regular Importations (not auction
lots), in first class condition, and should give best possible results.

Dutch Hyacinths Per 1000
Second Size (our selection)....\$33.00
Bedding, (white, pink, blue). 22.00

Freesias Per 1000
Purity (extra size).....\$15.00
" Mammoth..... 20.00

Narcissus (Single) Per 1000
Incomparable.....\$ 7.00
Sir Watkins..... 12.00
Incomparable Autocrat..... 10.00
Golden Spur..... 14.00

Narcissus (Double) Per 1000
Alba Plena Odorata.....\$ 5.50
Incomparable..... 8.00
Von Sion, First Size..... 10.00
Von Sion, XXX, Double Nose 20.00

Lilium Multiflorum Per 1000
6-8-inch (400 bulbs to case)....\$30.00
7-9-inch (300 bulbs to case)..... 50.00

Narcissus Paper Whites
Grandiflora Per 1000
Fancy (1250 bulbs to case)....\$ 9.50

Gladiolus. Per 1000
Blushing Bride.....\$4.50
The Bride..... 5.00

Tulips (Single) Per 1000
Flamingo.....\$25.00
Rose Luisante..... 16.50
Vaughan's New Pink..... 8.50

Tulips (Double) Per 1000
Duke of York.....\$ 7.00
Murillo..... 8.00
Titian..... 12.00
Tournesol Red and Yellow... 17.00

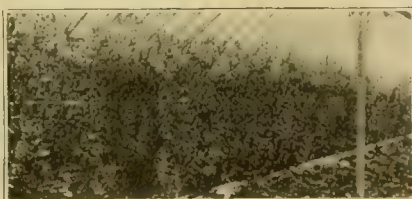
Darwin Tulips Per 1000
Glow.....\$17.50
Gretchen..... 10.00
Europe..... 13.50
Sultan..... 9.00
White Queen..... 18.00
Mixed..... 10.00

Vaughan's Seed Store,

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



SILVER PINK

The great **SNAPDRAGON**, is a money maker for
Easter and Memorial. Sow now for big plants and
big profits. Guaranteed seed at \$1 per pkt., 3
pkts. \$2.51 cash. Seed are sure and will produce
better shaped plants than cuttings at 1/4 the cost.

G. S. RAMSBURG,

SOMERSWORTH, N. H.

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2 1/4 in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

PANSY SEED

Giant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.
Cyclamen Seed English strain, best
100; \$9.00 per 1000. Write us. obtainable \$1.00 per

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan MILFORD, CONN.
and Wisconsin.

Mention the American Florist when writing

THE EARLY ADVERTISE-
MENT GETS THERE.

Just received in fine condition a surplus of

Lilium Longiflorum Multiflorum

7 to 9 inches.

Write for Prices.

YOKOHAMA NURSERY CO.,

31 Barclay Street,

NEW YORK, N. Y.

BERLIN VALLEY PIPS.

High grade quality from
New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, NEW YORK

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

The Early Advertisement
Gets There.

FALL BULBS SELLING FAST

Still have stock of all late and a few
early varieties.

Special Prices: FREESIA REFRACTA ALBA

EXTRA LARGE.

\$0.75 per 100; \$6.75 per 1000.

MAMMOTH BULBS

\$1.00 per 100; \$9.00 per 1000.

LILIAM HARRISII

6-7 inches

\$0.75 per doz.; \$3.50 per 100.

For florists and dealers only. Mention
this ad.

JAMES VICK'S SONS.

ROCHESTER, N. Y.

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

TOMATO SEED

Best Stocks. All Varieties.

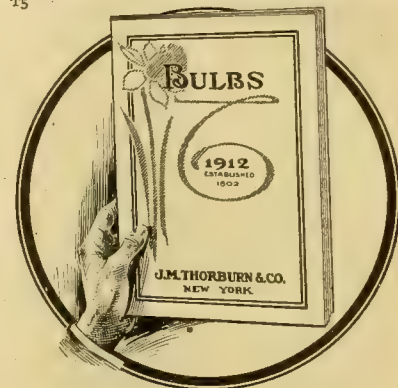
THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

T5



HAVE you our Bulb Catalog? If
not be sure to ask for "the
Florists edition," when writing.

We have one or two cases of Liliun Harrisii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7
at \$5.50. For prompt shipment.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

— FOR — SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids,
Balls, Bush Form and all other clipped forms are
not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from
Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks
is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall
be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, October 28.—Mushrooms, 35 cents to 60 cents per pound; lettuce, 8 cents to 10 cents, small cases; cucumbers, \$1.50 to \$2.25 per case of two dozen.

New York, October 26.—Cucumbers, \$1 to \$1.25 per dozen; mushrooms, 50 cents to \$1 per basket; tomatoes, 5 cents to 10 cents per pound.

Uruguay Studies Our Methods.

According to the American Consul at Montevideo, Uruguay, the reports from agricultural experts sent to the United States by the government of Uruguay are most gratifying. They give credit to the American government officials and the people for the valuable assistance they received and recommend that all future agricultural commissions sent abroad spend all their time in the United States for the purpose of studying our methods.

PHILADELPHIA, PA.—Geo. W. Ueber has been granted a permit to build a new greenhouse.

PATERSON, N. J.—The Totowa Dahlia Growers' Association held its annual exhibition October 12.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mushroom Spawn



New Crop ENGLISH

Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

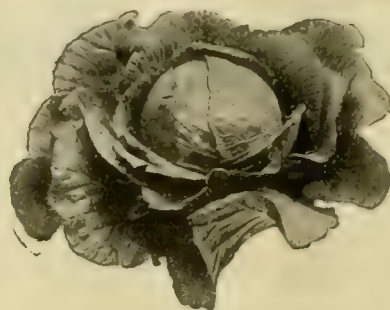
Lower prices on 1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.



Copenhagen Market Cabbage

Prices and Descriptive List on Application.

Lochner & Co., 11 Warren St., New York.

Sole agents for the U. S. and Canada.

Highest Award

for Danish Seeds of own growth obtained by

L. DAEHNEFELDT
Odense, Denmark

—at the—

Scandinavian Horticultural Exhibition

Copenhagen, September 1912.

(Seed Cultures, 10,000 Acres).

Write for catalogues and quotations for first-class seed of
Cabbage, Cauliflower, Mangel, Rutabagas, etc.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ⅓ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Field Grown Carnation Plants.

Harlowarden, Lady Bountiful, Sangamo, Windsor, \$45.00 per 1000.

Enchantress, White Enchantress, Mrs. Ward,

Dorothy Gordon, White Wonder, \$60.00 per 1000.

O. P. Bassett, and Beacon, \$50.00 per 1000.

One Thousand Lady Campbell Violet Plants, \$6.00 per 100 or \$50.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100.

Mrs. David Symes, Unaka, (Pink), Chrysolora, (Yellow), \$1.00 per dozen.

ELI CROSS, : Grand Rapids, Mich.

Mention the American Florist when writing

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica.		
Alba, Rosea	\$1 50	\$15 00
Gigantea—All from 2¼ pots.....	2 00	.....
Asp. Plumosus, 2¼ pots.....	2 00	18 00
.. Sprengeri	2 00	15 00
.. Plumosus Seedling	1 00	7 50
.. Sprengeri	1 00	6 00
Vinca Variegata field plants Cut back	5 00	.....
Fancy Plants, Giant flowering....	.....	2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

Now Ready LILIUM GIGANTEUM

Our bulbs are from the best fields in Japan.

Fully Ripened.

Expert English Grading.

All crescent-shaped, mis-formed and undersigned bulbs are left out.

These are of the quality sent to the big London forcers.

Order now for present and for storage delivery.

Per 1,000.
7-9 inch (300 to case) **\$55.00**

Vaughan's Seed Store
Chicago New York

Seedsmen requiring the very best selections

Garden Seeds

(Vegetable and Flower), especially

**Kelway's Celebrated
English Strains**

can get them at lowest independent wholesale rates by sending their orders direct to

KELWAY & SON

Wholesale Seed Growers

Langport, Somerset, England.

Special quotations on application.

Contract Seed Growers

**Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn**

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also submitting contract figures for the 1913 crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

BULBS!

For Fall Planting and Forcing

Bulb stocks are getting scarce. If you have not already covered your requirements, we advise placing order without delay. We have good stocks of the following at present, which we offer as long as unsold. We can also supply many other varieties in more limited quantities. If anything not on list is wanted, write for prices.

HYACINTHS. Fine named, \$4.00 per 100. Best commercial sorts, viz., Gertrude, Gigantea, La Grandesse, La Peyrouse, King of the Blues, Grand Maitre, etc.

HYACINTHS. Separate colors—pink, white, blue. Single, \$2.50 per 100; double, \$2.75 per 100.

TULIPS. Single—Chrysolora, \$6.50 per 1,000. La Keine, Rose Gris delin and Thomas Moore, \$7.00; Yellow Prince, \$7.50; Keizerskroon, \$10.00; Couleuer Cardinal, \$16.00.

TULIPS. Darwin named, \$2.50 per 100. Very finest sorts. White Queen, Pres. Roosevelt, May Queen, Mrs. Stanely, Mme. Krelage, Gretchen, Flambeau, Europe, Bartigon, Barronne de la Tonnaye, The Sultan, etc.

TULIPS. May—flowering or Cottage—Gesneriana, Spatulata and Picotte, \$11.00 per 1,000; Bizards, Byblooms and Golden Crown, \$7.50 per 1,000; Parrots, mixed, \$7.00 per 1,000.

TULIPS. Double—Couronne d'Or, Imperator Rubrorum, \$14.00 per 1,000; Murillo, Rubra Maxima, \$8.50; Tournesol Red and Yellow, \$17.00.

NARCISSUS. Paper White Grandiflora, 13 c-m bulbs, 1,250 to the case, \$8.50 per 1,000; 14 c-m, 1,000 to the case, \$10.50.

NARCISSUS. Bicolor Victoria, double-nosed bulbs, \$16.00 per 1,000.

FREESIAS. French, mammoth bulbs, \$9.00 per 1,000; Purity, \$15.00.

SPIREA Gladstone. Case of 100 clumps \$8.

LILIUM, Giganteum. 7-9 in. bulbs, case lot of 300 bulbs, \$16.50 per case; Multiflorum, 9-10 inch bulbs, case lot of 200 bulbs, \$17.00 per case.

CROCUS. Named, \$6.00 per 1,000.

SNOWDROPS. Single and Giant, \$5.00 per 1,000.

GLADIOLUS. Colvilli Alba, The Bride, \$5.50 per 1,000; Peach Blossom, \$9.00.

SPANISH IRIS. Named, \$5.00 per 1,000; mixed, \$3.

250 at Thousand Rates.

F. R. PIERSON CO.,

Tarrytown-on-Hudson,
NEW YORK.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

Cannas and Dahlias

Undivided Field Clumps at bargain prices. See Classified Department.

Wagner Park Conservatories, Sidney, O.

Mention the American Florist when writing

Seed Packets.

Write for Samples
and Prices.

**THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.**

Mention the American Florist when writing

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

Mention the American Florist when writing

**R. & M. GODINEAU,
SEED GROWERS,**

Angers - France.

Specialties: Beets. Mangoes. Carrots. Cabbages, Celeries, Parsleys, Parsnips, Turnips.
Growing Crops Given Personal Attention.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

OGDEN, UTAH.—Supervisor E. S. Clarke of the Wasatch forest intends to transplant 60,000 young pine trees from the Wasatch nursery to the forest.

COLUMBIA, S. C.—The Barnwell Pecan Orchards Co. of this place has incorporated with a capital stock of \$75,000 to develop land for orchard purposes.

TORONTO, CAN.—The board of control has been asked to appropriate \$500 annually for each of the four city nurseries and an additional \$500 for extension work.

LOS ANGELES, CALIF.—Systematic fumigation of the orchards of Los Angeles County has been ordered by Horticultural Commissioner Wood in a fight against the mealy bug.

Afforestation in China.

Saplings of pine and acacia trees were transplanted by hundreds of thousands last year on the bare hillsides extending from Sungshoushan to East Chikuanshan, Port Arthur. The civil government office has decided to transplant over 800,000 saplings of scrub oak, pine and acacia in an area of about 360,000 tsubo (about 295 acres) on the same hillsides next year. This will complete the afforestation program for the range of hills running in the shape of a crescent along the northeast of the fortress town.

Nursery Importations.

The United States Treasury Department has issued the following notice anent the new Plant Quarantine Act: "The chief officer of the customs at the port at which any nursery stock shall first arrive shall promptly notify the Secretary of Agriculture of the arrival of such stock, stating the nature and quantity thereof, the date of arrival, the name and address of the consignees (both nominal and ultimate), the name of the port of delivery, whether or not the shipment is accompanied by a certificate of inspection, and the number of the permit from the Department of Agriculture, if the permit has been received. "Prompt advice of the delivery of nursery stock under permit shall also be forwarded to the Secretary of Agriculture."

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

We want to PRINT your next lot of NURSERY, Seed and Vegetable CATALOGS

On the job day and night

We have the ideas, the photographs, the best engravings, the right kind of paper, the best type, fast printing presses, best grade of employees, and can guarantee best service, high quality work at right price. All goods F. O. B. your city.

Our Color Work nearest to nature. Our Catalogs bring you more business.

Gillies Litho. & Printing Co., Rochester, N. Y.
P. E. FELLOWS, Catalogist



SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.
Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.
Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.
Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.
Poinsettias, strong 3 in. pot plants at \$7.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
Cibotium Schiedeii (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

GLADIOLUS

	Per 100	Per 1000
BLUSHING BRIDE, -	\$0.75	\$6.00
THE BRIDE, - - -	0.75	6.00
PEACH BLOSSOM, - -	1.10	9.00

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

Mention the American Florist when writing

We are Headquarters for Hardy Perennial Phlox.



The Plants Supplied are all Strong One Year Old
Field Grown Stock.

New Varieties of Hardy Phlox.

Asia (Tall.) One of the most valuable recent introductions, a delicate shade of mauve, with crimson-carmine eye. \$2.00 per dozen; \$15.00 per 100.

Braga (Dwarf.) Mauve-rose, more or less suffused with salmon; large white eye, a distinct and pleasing color combination. \$1.50 per dozen; \$10.00 per 100.

Europa (Tall.) A white variety, with very decided crimson-carmine eye; the individual flowers as well as the trusses are very large, entirely distinct, a valuable acquisition.

Elizabeth Campbell (Dwarf.) Very bright salmon-pink, with lighter shadings and dark crimson eye, an entirely new and much wanted shade in Phlox.

Frau Anton Buchner (Dwarf.) The finest white variety yet introduced, having a large truss and individual flower of dwarf habit.

Goliath (Tall.) A giant in growth, in rich soil over 5 feet high, the flowers of good size in bold massive panicles of a rich crimson-carmine, with deeper eye.

Hervor (Dwarf.) This is the finest variety of its color; a bright but soft rose-pink, with a large white eye.

Rynstrom (Tall.) An improved form of the popular variety Pantheon, fine for massing; of a Paul Neyron rose-color.

Rosenberg (Medium.) Bright reddish violet, with blood-red eye, large truss and individual flowers as large as a silver dollar.

Widar (Medium.) A splendid improvement on Edmond Rostand; in color a light reddish-violet, with very large white center which intensifies and illuminates the color.

Price, (except where noted), \$1.25 per dozen;
\$8.00 per 100; \$75.00 per 1000.

General Collection of Best Standard Varieties.

Albion, medium. One of our own introductions; producing very large panicles of pure white flowers with a faint aniline-red eye.

Aglæ Adanson, medium. Immense flowers, snow-white, with red-eye.

Antonin Mercie, medium. Light ground color, upper half of petal deeply suffused bluish-lilac; large, white halo.

Bacchante, tall. Tyrian rose with crimson-carmine eye.

Beranger, dwarf. Ground color white, delicately suffused with rosy pink, distinct amaranth-red eye.

Bridesmaid, tall. White, with large crimson-carmine center.

Colibri, tall. White, with crimson-carmine center; very late.

Consul H. Trost, medium. Pure red, with bright French-purple eye.

Champs Elyses, medium. A very bright rosy magenta of an effective shade.

Coquelicot, dwarf. A fine pure scarlet, with crimson-red eye. \$6.00 per 100.

Caran D'Ache, medium. Geranium-red, with old rose shadings and white eye; very effective.

Diadem, dwarf. A fine dwarf, pure white.

De Miribel, medium. White, suffused with bright rosy-scarlet, red eye.

Danton, medium. Scarlet, pure red eye.

Edmond Rostand, medium. Reddish-violet, shading brighter towards the center with an exceptionally large, white center.

Eugene Danzanvillier, tall. Lilac, shading white towards the edges; large white center.

Eclairer, medium. Brilliant rosy-magenta, with large lighter halo; an excellent variety.

Fruhlicht, dwarf. Bright salmon-pink, with white shadings.

George A. Strohlein, medium. Bright scarlet, with crimson-red eye; does not bleach. \$7.00 per 100.

General Giovaninelli, dwarf. Bright Tyrian rose, with light shadings at the base of each petal, a pure red eye, very effective.

Hermine, dwarf. The dwarfest variety in our collection, never exceeding ten inches in height; pure white flowers of good size; early; unequalled for bordering; a perfect little gem.

Helena Vacaresco, dwarf. Very large flowering dwarf, white.

H. O. Wijers, tall. Glistening white, with bright crimson-carmine eye.

Henry Murger, tall. Beautiful variety; white, crimson-carmine center.

Henry Royer, medium. Tyrian rose, with lighter shadings.

Jeanne D'Arc, tall. A good standard late white.

Kucken, tall. Delicate pale rose-mauve, with claret-red eye.

La Vague, medium. Pure mauve, with aniline-red eye.

Le Prophete, dwarf. Bright violet-rose, large light halo and bright rose eye, fine.

Louise Abbema, dwarf. Very large, dwarf pure white, fine form.

Mme. Paul Dutrie, tall. A delicate lilac rose, reminding one of some of the beautiful soft pink orchids. The flowers are very large and borne in panicles of immense size.

Mozart, tall. Ground color white, suffused salmon; aniline-red eye.

Mrs. Jenkins, tall. The best tall early white for massing.

Nana Coerulea, dwarf. Very free flowering light reddish-violet.

Obergartner Wittig, medium. Bright magenta, with crimson-carmine eye; large flower and truss, one of the best.

Professor Virchow, medium. Bright carmine, overlaid with orange-scarlet.

Pantheon, tall. Bright carmine-rose.

Prosper Henri, dwarf. Pure white, with large decided eye of rosy-magenta.

Pacha, dwarf. Deep rose-pink, suffused with solferino-red and carmine-purple eye.

R. P. Struthers, tall. Rosy-carmine, with claret-red eye, fine.

Sarabande, medium. Reddish-violet, with lighter shadings.

Sunshine, dwarf. Large, aniline-red, with crimson-red eye and light halo.

Selma, tall. Large flower, pale rose-mauve, with claret-red eye.

Siebold, tall. Bright vermilion-red overlaid with orange-scarlet; crimson-red eye. \$6.00 per 100.

Vesuvius, medium. One of our new seedlings; pure red, with bright purple eye, a dazzling color.

F. G. Von Lasburg, medium. The purest white in cultivation, individual flowers larger than any other white.

Price of any of the above (except where otherwise noted) \$4.00 per 100, \$30.00 per 1000.

For the most complete list of Hardy Perennials as well as complete assortments of Decorative Plants and other Seasonable Stock see our Current Wholesale List.

The above prices are for the Trade Only.

HENRY A. DREER, 713 Chestnut St., PHILADELPHIA, Pa.

—10,000— Primula Malacoides MUST BE SOLD

Good stock. 2½-in. pots,
\$2.50 per 100;
\$20.00 per 1000.

BIG BARGAIN.

Act quick.
Cash with order.

F. F. SCHEEL,
Schermerville, Ill.

FIELD-GROWN

Carnation Plants

Extra large plants that have been carefully pinched back, having 4 to 8 branches.

VARIETIES:—O. P. Bassett, White Enchantress and Enchantress.

PRICE: \$5.00 per 100. Not less than 100 shipped at this price.

BASSETT & WASHBURN
HINSDALE, ILL.

Pansy Plants.

Best strain on the market. **Daisies** (Bellis) **Forget-Me-Not, Sweet William, Gaillardia, Coreopsis, Delphiniums, Hardy Pinks, Foxgloves.** Fine plants. \$2.50 per 1,000, 5,000 for \$10.00.

Hollyhocks, double, in colors. 50 cts. per 100, \$4.00 per 1,000.

Primulas, Asparagus Plumosus and Sprengerii. Fine plants. 2½ in. \$2.00 per 100, \$5.00 per 300.

Smilax. Strong, bushy plants. 2½ in. \$1.50 per 100, \$12.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Please Take Notice!

We Protect the Trade. Have No Department Store Customers.

Election is coming. For whom will you vote?

VOTE FOR GODFREY ASCHMANN.

I'm a leader in the land where the Araucarias grow.
The only real progressive, as all florists know:
When making out your orders, give your biggest vote for me
Then you'll have the richest Christmas you ever yet did see.

Let Wilson, Taft and Roosevelt, in their travels to and fro
Promise all the big improvements that any of them know:

Still if you come to Aschmann's, you'll see the very best:
So mail to him your orders and he will do the rest.
The easiest thing a man can do is to make a noisy breeze.
The hardest task a florist has is to grow the plants that please:
Yet in the years that I have spent in growing for the trade,
I've filled the bill and satisfied the many friends I've made.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5¼ to 5½ in. pots, 2-3 years old 3-4 tiers, 14-15 in. high, 40c to 50c; 5½ to 6 in. pots, 3 years old, 4-5 tiers, 16-18 in. high, 60c to 75c; 6 in. pots, 4 years old, 4-5 tiers, 20-22 in. high, \$1.00; 6 in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7 in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glauca and Robusta Compacta, April, 1911, fine bushy plants, \$1.25.

importation, 6-7 in. pots, \$1.50, \$2.00 each.
Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6 in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6 in. pot, 75c to \$1.00.
Kentia Belmoreana, 4 year old, 6 in., 26 to 28 in. high, 75c to \$1.00.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.
Kentia Belmoreana, 4 in., 25c; 5½ in., 50c.
Kentia Forsteriana, 4¼ to 5 in. pots, 20 to 24 in. high, 30c to 40c.
Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.
Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.
Kentia Forsteriana, 6 in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.

Ferns.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old dark houses bring fungus and make spindly plants.

Neph. Giarasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 5½-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmanii, 4 in., 20c; 5½ to 6 in. pots, 30c, 35c, 40c and 50c; 7 in., 75c.

Neph. Scottii, 4 in., 20c; 5 in., 35c; 5½ to 6 in., 40c to 50c; 7 in., 75c.

Boston, 7 in., 75c; 5½ to 6 in., 40c to 50c; 5 in., 35c; 4 in., 20c.

Neph. Elegantiissima Compacta, 6 in., 50c.

Neph. Scholzei, 6 in., 50c.

Adiantum Hybridum, the new Maidenhair Fern, large 4 in., bushy, 15c.

Japanese Fern Balls, our own importation, now full of leaves: 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2½ in. Dish Ferns, now ready, \$4.00 per 100.

6 in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6 in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Areca Lutescens Palms, made up of 3 plants, 4 in., 20c to 25c; 5¼ in., made up of 3 plants, 35c.

Aspidistras, variegated, 6 in. pots, 15c per leaf; green, 6 in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

AZALEAS.

Our new importation of **Azaleas** are all in and unpacked. Never in our life have we received a better and finer selection of **Azaleas** than this fall. All of them have original foliage and are well budded.

For Christmas Forcing.—If you want to be successful, lose no time and start now. Start the **Azaleas** in low temperature and increase the temperature gradually up to 60 degrees until they show color; then cool off gradually again. We have only the best well-known Christmas varieties, such as **Deutsche Perle**, white; **Simon Mardner**, pink; **Mme. Petrick**, new, pink; **Pharilda**, Matilda, variegated; **Vervaneana**, variegated rose. Prices: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **For Easter Blooming** and for Easter we have the well-known American varieties, such as **Mme Van der Cruysen**, best pink **Paul Weber**, **De Schryveriana**, **John Llewellyn**, **Niobe** (white), **Apollo** (red), and a few more good sorts. **P. S.**—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. We sell our **Azaleas** for cash only, because there is no profit to be made in **Azaleas**. Our **Mme. Petrick Azaleas** are round as an apple, covered with buds; a child can force them; best pink; earliest of all. All other varieties are covered with buds.

No profit is made on **Azaleas** any more; therefore only cash with order will be accepted.

Cocos Weddelliana Palms, single, 3 in. pots, 15c, 18c and 20c.

Corpha Australis Palms, 5 in. pots, 20 in. high, 35c, **Asparagus Plumosus** and **Sprengerii**, large 4 in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2½ in., \$3.00 per 100.

Asparagus Sprengerii, 2½ in., \$3.00 per 100.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4 in., \$10.00 per 100; 5½ in., \$2.50 per doz.

Primula Chinensis, John F. Rupp strain, assorted, 4 in., \$10.00 per 100; 5½ in., only \$2.50 per doz.

Poinsettias, 4 in., 20c to 25c.

Begonias Gloire de Lorraine and **Lonsdale**, pink, 5½ to 6 in. pots, 50c, 75c to \$1.00.

Glory of Cincinnati, 5, 5½ to 6 in. pots, 50c, 75c, \$1.00, \$1.25 to \$1.50.

Ficus Elastica, Belgium or American stock, 5-5½ in., 30c, 35c to 40c; 6 in., 50c; 7 in., 75c.

Jerusalem Cherries (Solanum) 6 in., 25c, 35c, 50c.

Daisies, Sanderi, pure white, everlasting bloomer, very valuable for cut flowers, 2½ in., \$5.00 per 100.

Queen Alexandra Daisies, pure white, good Easter Daisy 2½ in. pots, strong, \$4.00 per 100.

Cineraria Hybrida, our well-known superior strain, which created a sensation last Easter 2 in., \$5.00 per 100.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

TESTIMONIAL.

When You Buy, It Pays to Buy Good Stock.

Look and see what Mr. Fred I. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912.

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices, Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,

1012 W. Ontario Street.

PHILADELPHIA, PA.

STOCK YOU NEED NOW

Select what you want from this **Special Wholesale Price List**, and order early, so as to avoid the risk of cold weather shipments.

Araucaria Excelsa.

	Each	Doz.
4-in.. 2 to 3 tiers.....	\$0.50	\$ 6.00
6-in.. 4 to 5 tiers.....	1.00	12.00
7-in.. 4 to 5 tiers.....	1.50	18.00

Areca Lutescens.

	Each	Doz.	Per 100
3-in.. 3 plants in a pot ..	\$2.00	\$15.00	
4-in.. 3 plants in a pot ..	3.00	25.00	
6-in.....	\$1.50		

Asparagus Plumosus.

2 inch.....	\$3.00 per 100
3 inch.....	6.00 per 100
4 inch.....	\$1.50 per doz.

Asparagus Sprengeri.

3-in.....	\$5.00 per 100
-----------	----------------

Aspidistras.

Green, \$.08 per leaf; Variegated, \$.15 per leaf

BAY TREES.

	Each
Standard, 3 ft. stem, 24-in. crown	\$ 6.00
3½ ft. stem, 26-in. crown	7.00
4 ft. stem, 28-in. crown	8.00
4 ft. stem, 30-in. crown	12.00
4 ft. stem, 48-in. crown	20.00

Mission tubs up to 12-in. at \$1.00 extra.



BOSTON FERNS.

	Each	Doz.	Per 100
2-in.....		\$ 1.50	\$3.00
4-in.....	\$0.25	3.00	
5-in.....	.50	6.00	
6-in.....	.75	9.00	
8-in.....	1.00	12.00	
9-in.....	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

BOXWOODS.

	Each
Square trimmed, 20-in. high, 15-in. diam. ..	\$ 2.50
Globe shaped, 15-18 in. top, 15-18 in. high. .	4.00
Standard, 12 in. crown	1.50
15-18 in. crown	2.50
18-21 in. crown	3.00
21-24 in. crown	4.00
24-27 in. crown	6.00
32-34 in. crown, 3-4 ft. stem	9.00
36-38 in. crown, 18-24 in. stem	9.00
40-42 in. crown, 18-24 in. stem	10.00

Mission tubs up to 12-in. at \$1.00 extra.

Boxwood Bushes.

8-in.....	\$0.25 each	18-in.. \$0.50 to \$0.60 each
12-in.....	.35 each	24-in.. .75 to 1.00 each

Cibotium Schiedei.

6-8 in.....	\$1.50, \$2.00 and \$2.50 each
-------------	--------------------------------

Cocos Weddelliana.

2-in.....	\$1.75 per doz.; \$14.00 per 100
-----------	----------------------------------

Crotons.

3-in.....	\$2.00 per doz.
4-in.....	\$0.50 each
5-in.....	\$0.75 and 1.00 each

Larger ones from \$3.00 to \$5.00 each.

Cycas Revoluta.

From 3 to 7 in., at 15c, 25c, 35c, 75c, \$1.00, \$1.25, \$1.50 and \$2.00 each.

Cyclamen Giganteum.

5 in.....	\$0.25 each; \$3.00 per doz.
6 in.....	.35 each; 4.20 per doz.

Dracaena Fragrans.

3-in.....	Doz. \$1.50
-----------	-------------

Dracaena Indivisa.

2-in.....	\$3.00 per 100	4-in.....	\$10.00 per 100
3-in.....	5.00 per 100	5-in.....	20.00 per 100

Ferns.

Assorted varieties for dishes. Per 100 \$3.00

Assorted varieties for dishes. 3-in.. Each Doz. \$0.25 \$3.00

Ficus Elastica.

	Each	Doz.
4-inch.....	\$0.35	\$4.00
6-inch.....	.50	6.00
7-inch, branching.....	\$0.75 and 1.00	

Ficus Pandurata.

7-8 in.....	\$2.50 and \$3.50 each
-------------	------------------------

Ficus Repens (Climbing).

2½-inch.....	\$1.00 per doz.
--------------	-----------------

Hydrangeas for Forcing.

4 in.....	\$10.00 per 100
-----------	-----------------

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.....	4	8 in. \$1.50	\$12.00
3-in.....	4 to 5	8 to 10 in. 2.00	15.00
4-in.....	4	12 in. 3.60	30.00
4-in. strong..	4 to 5	12 to 15 in. 4.50	35.00
5-in.....	5 to 6	15 to 18 in. 6.00	50.00
		Each	Doz.
5-in. strong..	5 to 6	18 to 20 in. \$0.75	\$ 9.00
6-in.....	6 to 7	20 to 22 in. 1.00	12.00
6-in. strong..	6 to 7	22 to 24 in. 1.50	18.00
7-in. stronger..	6 to 7	26 to 28 in. 2.00	24.00
7-in. extra strong ..	6 to 7	28 to 30 in. 2.50	30.00
8-in.....	7 to 8	40 to 45 in. 5.50	
9-in.....	7 to 8	48 to 50 in. 8.00	
9-in.....	7 to 8	50 to 54 in. 10.00	

Made-up.

7-in.. 3 in a pot, 28-30 in. high.....	\$2.50 each
--	-------------

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.....	4	8 to 10 in. \$1.50	\$12.00
3-in.....	4 to 5	12 to 14 in. 2.00	15.00
4-in.....	4 to 5	14 to 16 in. 4.50	35.00
5-in.....	5 to 6	16 to 18 in. 6.00	50.00
		Each	Doz.
5-in. strong..	5 to 6	20 to 24 in. \$0.75	\$ 9.00
7-in.....	5 to 6	36 to 38 in. 2.50	
8-in.....	5 to 6	40 to 44 in. 5.00	
8-in. strong..	6 to 7	46 to 50 in. 7.00	
9-in.....	6 to 7	60 in. 8.00	
Single, 6 ft.....		\$ 9.00 each	
7 ft. 6 in.....		15.00 each	

Made-up.

6-in.. 3 in a pot, 18-22 in. high..	\$1.00 and \$ 1.50
7-in.. 3 to 4 in a pot, 24 to 30 in. high.....	2.50
9-in.. 3 to 5 in a pot, 50 to 54 in. high.....	8.00
10-in.. 4 to 5 in a pot, 58 to 60 in. high.....	10.00
12-in.. 4 to 5 in a pot, 62 to 70 in. high.....	15.00
6 ft. 6 in.. 4 in a tub.....	18.00
7 ft. 6 in.....	25.00

Latania Borbonica.

5-inch.....	\$5.00 per doz.
6-inch.....	9.00 per doz.

Pandanus Veitchii.

Each	Doz.	Each	Doz.
4-in.. \$0.50	\$5.50	6-in.....	\$1.00
5-in.....	.75		9.00

Phoenix Canariensis.

	Each
7-in.. 40 to 44-in. high.....	\$ 2.50
8-in.. 46 to 50 in. high.....	4.00
9-in.. 50 to 54 in. high.....	8.00
10-in.. 60 to 64 in. high.....	10.00

Phoenix Reclinata.

	Each	Doz.	Per 100
5-in.....		\$5.00	\$40.00
6-in.....		\$0.75	9.00
7-in.. 24 in. high, 3 in a pot. 1.50			

Phoenix Roebelenii.

	Each	Doz.	Per 100
2½-in.....		\$ 2.00	\$15.00
3-in.....		3.00	
6-in.....		12.00	
6-in. strong..		18.00	
7-in.....	\$4.00		
8-in.....	5.00		

Primula Chinensis.

	Doz.
4-in.....	\$1.50
5-in.....	2.00

Primula Obconica.

4 in.....	1.25 per doz.; 8.00 per 100
-----------	-----------------------------

Chrysanthemums, Pompons.

Assorted, 6-in..... \$0.25 each

Clematis Jackmani.

5-in.....	\$0.35 each
-----------	-------------



Dahlia Roots.

Undivided clumps from the field, \$15.00 per 100 for named varieties.

Mixed varieties, \$10.00 per 100.

List of the Named Varieties.

A. D. Livoni, shell pink.
A. E. Trumbull, brick red.
American Flag, pure white, striped crimson.
Ami Barrillet, rich pure garnet, with fine dark foliage.
Baron de Glancy, pure white.
Bartels, salmon, with pink.
Black Beauty, pure dark red.
Camellia Alba, very dark red.
Dreer's White, Dr. Balan, brick red.
Evadue, soft rich yellow.
Fern-leaved Beauty, Geo. Buller.
Frank Barrett, Lancelot, orange yellow.
Little Herman, deep red, tipped white.
Loveline, pale yellow.
L. Pounce, dark red, yellow center.
Maid of Kent, pink. Mrs. Geo. Reid, white.
Nymphaea, light pink. Perle, lavender.
Picotee, deep lavender.
President, white, tipped lavender.
Prof. Baldwin, cactus cherry red.
Progenitor, clear crimson.
Rosalie, lemon yellow. Sunnydale.
Sylvia, pink mauve, whitish center.
Thatcher, lemon yellow.

Canna Rhizomes.

at \$4.00 per 100 of the following varieties:

Dwarf Florence Vaughan, Chicago.
Chas. Henderson, Alsace.
Mlle. Berat, Beauty of Poitevine.
Florence Vaughan, Austria.
Allemania, Express.

Canna Rhizomes, mixed varieties, at \$3 per 100.

The Geo. Wittbold Co., 737 Buckingham Place, Chicago
Phone: Graceland 1112.



The New Scarlet
Carnation without a
fault. Guaranteed.

New Scarlet Carnation THE HERALD

No waiting for blooms. Get them with long stems, large flowers, and plenty of them, right from the start to the finish—the large, perfect kind that bring the highest price at any season.

NO WASTE OF GREENHOUSE SPACE

by growing varieties that will bloom freely and produce perfect flowers.

The Herald is an early, free and continuous bloomer, giving large, perfect flowers the entire season. Long, strong stem and a perfect calyx that will not burst. All stock guaranteed.

Strong and Well Rooted Cuttings, ready Jan. 1, 1913,

\$12.50 per 100; \$100.00 per 1000.

Chicago Carnation Co., 30 E. Randolph St. Chicago

FIELD GROWN

CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitman Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA

Mention the American Florist when writing

BOXWOOD. Our Importation Is Here. Order at once for immediate shipment



Window Box, 36 in. long, planted with 10 plants of Bush Box, 12 or 15 in. size.

Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs, we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair
2½ ft. high	\$2 00	\$3 75
3 ft. high	2 50	4 50
3½ ft. high	3 50	6 00
4 ft. high	4 50	8 00

Globe Shaped.

	Each	Pair
15 in. high, 15 in. in diameter..	\$2 25	\$4 00
18 in. high, 18 in. in diameter..	2 75	5 00

CHICAGO

31-33 W. Randolph St. Vaughan's Seed Store,

Greenhouses and Nurseries, Western Springs, Ill.

Bush Shaped.

These do not come in tubs.

	Each	Doz.	100
12 in.	\$0 35	\$3 60	\$25 00
15 in.	45	4 25	30 00
18 in.	60	6 50	
24 in.	1 00	10 00	
30 in.	2 50	per pair, \$4 50	
36 in.	3 50	per pair, 6 00	

Standard or Tree Shaped. Each Pair

18-26-in. stem, 18-in. crown ... \$3 00 \$5 00

NEW YORK

25 Barclay St.

CARNATIONS

FIELD STOCK—

LARGE BUSHY PLANTS.

	Per 100.
Rosette, - - -	\$12.00
White Wonder, - - -	8.00
White Perfection, - - -	7.00
Rose Pink Enchantress, - - -	7.00
Beacon, - - -	7.00
Bonfire, - - -	7.00

PROMPT DELIVERY.

F. DORNER & SONS CO.,

LA FAYETTE - - INDIANA.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10	
branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot, light rose.....	\$ 10.00	Laius, outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata, pale flesh, shading to almost pure white.....	9.00	La Tulipe, late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne, creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime, crimson; fine, full, fragrant.....	8.00
Clarissa, rosy pink; inner petals sulphur.....	6.00	Livingstone, (true Crousse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach, dark red; early.....	8.00	Louis Van Houtte, (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier, outer petals pink, inner yellowish.....	8.00	Meissonier, reddish purple, crimson center.....	40.00
Comte de Nanteuil, very large and full; dark rose.....	8.00	Monsieur Barral, soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg, dark rose pink; large bloom.....	10.00	Monsieur Dupont, very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d' Osmond, white with sulphurish center.....	15.00	Mlle Rene Dessert, in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d' Or, immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crousse, one of the best whites; midseason.....	20.00
Delachei, deep crimson purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon, bright, cherry pink.....	10.00
Dortens Coros, bright pink.....	6.00	Madame Rose Rendatler, delicate rose.....	8.00
Duchesse de Nemours, the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans, very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington, flowers fragrant, sulphur-white; large and well formed; strong grower stems long and firm; late midseason.....	20.00	Nobilissima, bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crousse, brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba, earliest white.....	15.00
Festiva Maxima, the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno, the well known, very early, double crimson	15.00
Floral Treasure, rich, soft pink.....	15.00	Palmata, cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat, semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora, guard petals pure white; others yellowish; excellent.	15.00
Gen. Cavaignac, lively lilac-pink, shaded clearer pink.....	6.00	Phryne, bluish white.....	8.00
Gloire de Douai, purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial, brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest, very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor, soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea, light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria, (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell, silvery pink; late midseason.....	10.00	Richardson's Dorchester, salmon pink, one of the very best late ones.....	25.00
		Rosea Superba, brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba, very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - **Newark, New York.**
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.

BALTIMORE, MD.

Mention the American Florist when writing

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Mention the American Florist when writing

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Mention the American Florist when writing

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Mention the American Florist when writing

POT PLANTS

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs. Prices on application.

SPECIAL—Boston and Whitmani Ferns. A large and fine stock.

6 inch 50c each, \$45.00 per 100. 7 inch 75c each, \$70.00 per 100.

8 " \$1.00 " 10.00 per doz. 10 inch \$2.50 each, 12 inch, \$3.50.

Special prices on larger lots.

SPECIAL. For a short time only, in order to make room, we offer a large stock of extra fine Table Ferns. 12 varieties, \$25.00 per 1000; 500 at 1000 rate.

Cibotium Schiedel, strong, 6 inch \$1.50 each.

Pandanus Veitchi, a large stock of finely colored plants.

5 inch, \$1.00 each; 6 inch, \$1.50 each; 7 inch, \$2.00 to \$2.50 each.

SPECIAL. Extra strong Rubbers, 6 inch, 50c to 75c each.

Ficus Pandurata, 6 in., 3 ft. high, \$3.50 each. 7 in., 5 ft. high, \$4.50 each.

Dracaena Terminalis, finely colored.

4 inch, 25c each, \$2.50 per doz.; 5 inch, 50c each, \$5.00 per doz.

SPECIAL. Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c each, \$5.00 per doz. 4 to 5 tiers 75c to \$1.00 ea.

Asparagus Plumosus, 4 inch, strong, \$10.00 per 100.

Phoenix Roebelinii, strong 3 inch, short and bushy, just the thing for the centre of fern dishes. 25c each, \$2.50 per doz.

SPECIAL. Christmas and New Cluster Peppers.

4 inch 25c each, \$2.50 per doz. 5 inch 50c each, \$4.00 per doz.

We have a large quantity of blooming plants for the holiday trade now ready for shipment. Let us have your orders before cold weather sets in. Send orders direct to Morton Grove.

Primula Obconica, in bloom, best Grandiflora and Gigantea strains.

4 inch, 15c each, \$1.50 per doz. 5 inch, 25c each, \$2.50 per doz.

Begonia Glory of Cincinnati, in bloom.

6 inch pots, 75c to \$1.00 each. 7 inch, \$1.00 to \$1.25 each.

Cyclamen, in bud and bloom, extra fine stock.

6 inch pots, 75c each. 7 inch pots, \$1.00 each.

Send all Plant Orders Direct to

POEHLMANN BROS. CO.

PLANT DEPARTMENT

Morton Grove,

ILLINOIS

Index to Advertisers.

Adams, Morgan & Co..... 869	Erie Floral Co..... I	McKellar Chas W..... 859	Randall A L Co..... 859	Totty Chas H..... 861 880	Welch Bros..... 861
Advance Co The..... 892	Erne & Klingel..... 855	McKenna P & Son..... 867	Rawlings Elmer..... 869	Trimble W E..... 869	Wertheimer Bros..... II
Albany Cut Flower Ex..... 863	Esperance L Nurs..... 873	Mangel..... 865	Ready Reference..... 883	Greenhouse Co..... 859	Western Seed & Irrigation Co..... 872
Alpha Floral Co..... 865	Eyres H G..... 867	Mastin J G & Co..... 891	Randolph & Clements..... 888	Valentine Frank..... 865	Wietor Bros..... 854 859
American Spawm Co..... 874	Fish Henry Seed Co..... 873	Masur S..... 865	Reed & Keller..... 890	Vaughan A L & Co..... 856	Wilks S Mfg Co..... 888
American Wooden Ware Mfg Co..... III	Florists' Hail Assn..... 887	May & Co L L..... 865	Regan Ptg House..... 890	Vaughan's Seed Store I III 853 872 874 875 880 888	Williams Mrs E A..... 868
Amling E C Co..... 859	Foley Mfg Co..... IV	Meconi Paul..... 863	Reid Edw..... 860	Vestals..... 888	Wilson R G..... 865
Anderson S A..... 865	Ford M C..... 863	Mette Henry..... 874	Reinberg Geo..... 859	Vick's Sons Jas..... 873	Winandy M & Co..... 882
Andorra Nurseries..... 876	Fottler, Fiske, Rawson Co..... II	Meyer John C & Co..... 864	Reinberg Peter..... 855	Vincent R Jr..... I 874	Wittbold G Co..... 865 879
Angermueller G H..... 860	Franklin Davis Nursery Co..... 881	Michigan Cut Flower Exchange..... 864	Reuter Chris..... 875	Virgin U J..... 868	Wittbold Henry..... 859
Apine Mfg Co..... 890	Fraser Samuel..... 876	Miller E S..... 875	Rice & Co. M..... 864	Wagner Park Cons..... III 875	Wood Bro..... 872
Aschmann Godfrey..... 878	Freeman Mrs J B..... 868	Moninger J C Co..... IV	Robinson J C Seed Co..... 873	Walker F A & Co..... 868	Yokohama Nurs Co..... 873
Atlanta Floral Co..... 866	Freeman & Sons..... 891	Montreal Floral Ex..... 861	Rock W L Co..... 866	Ward & Co. R M..... II	Young A L & Co..... 863
Auburndale Gold Fish Co..... 857	Freres D E..... 857	Nash..... 863	Rohbert Seed Co..... 876	Weber F H..... 868	Young & Nugent..... 865
Bader Jno & Co..... 850	Froment H E..... 863	Morehead Mfg Co..... 892	Routzahn Seed Co..... 872	Weeber & Don..... 872	Zech & Mann..... 869
Badgley Reidel & Meyer, Inc..... 863	Galvin Thos F..... 867	Mt Gilead Pottery Co..... III	Rusch G & Co..... 860	Weiland & Risch..... 859	
Barrows H H & Son..... 872	Garland G M..... 887	Munk Floral Co..... 860	Saakes O C..... 867		
Bassett & Washburn..... 850 852 878	Gasser J M Co..... 867	Murray Samuel..... 866	Saltford Flower Shop..... 866		
Bayersdorfer H..... 887	Geny Bros..... 868	Myers Florist..... 868	Scheel F F..... 869 878		
Beaven E A..... 864	Giblin & Co..... 892	Nat Flo B of Trade..... 890	Schilder Bros..... 875		
Benard G..... 876	Gillies Litho & Print Co..... 876	N Y Cut Flower Ex..... 863	Schiller, the Florist..... 892		
Berger Bros..... 860	Gladioli Specialty Assn..... 850	Niessen Leo Co..... 861	Schlatter W & Son..... 882		
Berning H G..... 860	Godineau R & M..... 875	Northern Michigan Evergreen Nurs..... 864	Schling Max..... 868		
Berterman Bros Co..... 866	Gorham & Chapline..... 887	Oechslin Frank..... 872	Schmidt J C..... 878		
Black Chas..... 872	Grand Rapids Flower Co..... 867	Oklahoma Seed Gro Co..... 873	Schultz Jacob..... 866		
Bobbink & Atkins..... 876	Gude Bros..... 866	Palethorpe P R Co..... III	Scott John..... 878		
Boddington A T..... 872	Gunther Bros..... 863	Palmer W J & Son..... 866	Seattle Cut Flo Ex..... 861		
Bodger J & Sons Co..... 873	Hatcher, Florist..... 868	Park Floral Co..... 866	Shaffer Geo C..... 867		
Boland J B Co..... 865	Haven Seed Co The..... 873	Peacock Dahlia Fms..... 869	Sharp Partridge & Co..... 888		
Boligiano J & Sons..... 872	Heacock Jos Co..... 869	Pedrick Geo & Son..... 875	Sheridan W F..... 863		
Bowe M A..... 867	Heinl John & Son..... 865	Pennock-Meehan Co..... 863	Situation & Wants..... 849		
Braslan Seed Grow Co..... 870	Henderson A & Co..... 876	Penn the Florist..... 866	Skidelsky S S & Co..... 872		
Breitmeyer's J Sons..... 866	Herr Albert M..... 869	Peters & Reed Poty III..... 867	Smith A W & Co..... 867		
Brown Alfred J Seed Co..... 870	Herrmann A..... 892	Peterson & Sons J A I..... 860	Smith E D & Co..... 890		
Brown Bag Filling Machine Co..... 875	Hess & Swoboda..... 866	Pierce F O Co..... 892	Smith & Hemenway..... 891		
Bruns H N..... 875	Hesse & Co..... 873	Pierston A N (Inc)..... 862	Smith Wm C..... 860		
Buchbinder Bros..... 891	Hews A H & Co..... III	Pierson F R Co..... I 875	Smith W & T Co..... I		
Buckbee H W..... 868	Hilfinger Bros..... III	Pieters & Wheeler Seed Co..... 870 871	Stearns Lumber Co..... 890		
Budlong J A..... 850 852 859 860 864	Hines E Lumber Co..... 890	Pillsbury I L..... 882	Stoothoff H A Co..... 890		
Burnett Bros..... II	Hitchings & Co..... 889	Pinkston Jas E..... 864	Storrs & Harrison..... 876		
Burpee W A & Co..... 872	Hoerber Bros..... 859	Pittsburg Cut Flo Co..... 861	Sunlight Double Glass Sash Co..... 891		
Byer Bros..... 869	Hoffman Flo Artist..... 867	Podesta & Baldocchi..... 867	Superior Machine & Boiler Works..... 889		
Caldwell the Woodsman Co..... 864	Hoffmeister Flo Co..... 861	Poehlmann Bros..... 853 881	Syracuse Pottery Co III..... 890		
California Seed Grow Assn..... 870	Holm & Olson..... 866	Pollworth C C Co..... 860 867	Taylor Steam Trap Co..... 892		
Camp Conduit Co..... 890	Holton & Hunkel Co..... 860	Pulverized Manure Co..... 890	Texas Seed & Flower Co..... 865		
Chicago Carn Co..... I 880	Home Cor School..... 890	Quaker City Machine Works..... 882	Thompson Car Co..... 878		
Chicago Flower Growers Assn..... 857	Hooker H M Co..... 887	Raedlein Basket Co..... 856	Thomson Wm & Sons..... 888		
Chicago House Wrecking Co..... 888	Hunt E H..... 892	Ramsburg..... 872	Thornburn J M & Co..... 873		
Clark E B Seed Co..... 872	Hurff Edgar F..... 873		Tong & Weeks..... 850		
Clark's Sons David..... 867	Igoe Bros..... 882		Tonner O A..... 854		
Cleveland Cut Flower Co..... 867	Illinois Pipe Mfg Co..... 887				
Conard & Jones..... 881	International Heater Co..... 890				
Cooke Geo H..... 865	Isbell S M & Co..... II				
Cotsonas Geo & Co..... 864	Jackson & Perkins..... 880 881				
Cowee W J..... 892	Jacobs S & Sons..... 889				
Coy H C Seed Co..... 872	Johnson J Oliver..... 873				
Craig Robt Co..... 850	Johnson WW & Son..... 873				
Critchell C E..... 861	Jones Percy..... 852				
Cross Eli..... 874	Kasting W F Co..... 861				
Crump Frank F..... 866	Keller Geo & Sons..... III				
Cunningham Jos H..... 874	Keller JB & Sons..... 868				
Dahnfeldt L..... 874	Kellogg Geo M..... 865				
Daniels & Fisher..... 867	Kelway & Son..... 875				
Dards Chas..... 866	Kennicott Bros..... 858				
Day..... 864	Ky Tobacco Product Co..... 891				
Deamud J B Co..... 858	Kervan Co The..... 863				
De Giorgi Bros..... 872	Kessler W A..... 863				
Dennison Mfg Co..... 851	Kift Robt..... 867				
Des Plaines Flower Co..... 869	Kimball O A Co..... 864				
Detroit Florist Pot Mfy..... III	King Construct Co..... 889				
Dietsch A & Co..... IV	Kohr A F..... III				
Diller Caskey & Keen..... 891	Kramer I N & Son..... 890				
Dillon J L..... 881	Kroeschell Bros Co..... 889				
Dingee & Conard Co..... 880	Kruchten John..... 859				
Domoto Bros..... 854	Kuehn C A..... 860				
Dorner F & Sons..... 880	Kuhl Geo A..... 869				
Dreer H A..... III 877 890	Kyle & Foerster..... 859				
Duerr Chas A..... 868	LaCrosse Floral Co..... 868				
Dunlop John H..... 867	Lager & Hurrell..... I				
Dwelle-Kaiser Co The..... 888	Lange A..... 865				
Eagle Machine Wks..... 891	Landreth Seed Co..... II				
Edwards Folding Box..... 882	Law's Nurseries..... 876				
Elk Galax & Fern Co..... 864	Lecakes N L & Co..... 863				
Emmans Geo M..... 890	Lederer John..... 891				
	Leedle Floral Co..... 881				
	Lelache Emil..... 861				
	Leonard Seed Co..... 875				
	Lochner & Co..... 874				
	Lord & Burnham Co..... 887				
	McCallum Co..... 861				
	McConnell Alex..... 865				
	McCoy L W..... 868				
	McCullough's J M Sons Co..... 861				
	McHutchinson & Co..... 873				

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

No loss if you mend your split carnations with **Superior Carnation STAPLES** 50c per 1000 postpaid.
Wm. Schlatter & Son,
422 Main St., Springfield, Mass.



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98
GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS.
266 N. 9th St.
BROOKLYN, N. Y.

Split Carnations

Quickly, Easily and Cheaply Mended.
No Tools Required.

Pillsbury Carnation Staple

Patented 1898.
2000 for \$1.00 postpaid.

I. L. PILLSBURY,
Galesburg, Ill.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
Richmond, Ind.



Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, \$1.50.**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, \$1.50.**

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 3 to 4 tiers, 50c each; \$5 per doz.; 4 to 5 tiers, 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprenger, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprenger seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Hatcheri, 2-in., \$1 per doz.; \$7 per 100. Sprenger and Plumosus, 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus and Sprenger, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100. Sprenger, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus Sprenger, 2-in., \$2.50 per 100. *Asparagus plumosus*, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprenger, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus, 2½-in., 2c; 3-in., 3c. Sprenger, 2½-in., 1¼c; 3-in., 2¼c. Samuel Whitton, Utica, N. Y.

Asparagus plumosus and Sprenger, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprenger, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprenger, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf. Variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in., 15c per leaf; green, 6-in., 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

ASTERS.

Asters, Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

AZALEAS.

Azalea indica, Deutsche Perle, Simon Mardner, Mine, Petrick, Verveneana, etc., 75c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonia Gloire Lorraine, 2½-in., \$12 per 100; 4-in., \$30 per 100; 5-in., \$40 per 100. *Gloire of Cincinnati*, 3-in., \$25 per 100; 4-in., \$35 per 100; 5-in., \$60 to \$75 per 100. Rober & Radke, Maywood, Ill.

Begonia Gloire de Lorraine and Lonsdale, 4-in., 30c to 35c. *Gloire of Cincinnati*, 4-in., 40c and 45c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire of Cincinnati, in bloom, 6-in. pots, 75c to \$1 each; 7-in., \$1 to \$1.25. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Gloire Lorraine, 5-in., \$35 per 100. Erie Floral Co., Erie, Pa.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberose, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Gladiolus, Blushing Bride, The Bride, 75c per 100; \$6 per 1,000. Peachblossom, \$1.10 per 100; \$9 per 1,000. A Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, *Freesia refracta* alba, extra large, 75c per 100; \$6.75 per 1,000; mammoth bulbs, \$1 per 100; \$9 per 1,000. *Lilium Harrishi*, 6-7 ins., 75c per doz.; \$3.50 per 100. James Vick's Sons, Rochester, N. Y.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, *Gladioli* Specialty Association, Old Point Comfort, Va.

Bulbs, *Lilium multiflorum*, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, *Lilium longiflorum multiflorum*, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Canna rhizomes, \$4 per 100; Dwarf Florence Vaughan, Chas. Henderson, Mlle. Berat, F. Vaughan, Allemania, Chicago, Alsace, Beate Poitevine, Austria Express, mixed, \$3 per 100.

The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cannas, undivided field clumps, Cinnabar, cinnamon red; Sec. Chabanne, Salmon red; Robusta, bronze foliage; \$6 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$8 per 100. Mixed reds, Salmon, etc., \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

Per 100 Per 1,000

500 Enchantress	\$5.00	
Washington	5.00	\$40.00
Beacon	5.00	40.00
White Enchantress	5.00	40.00
Dorothy Gordon	5.00	40.00
Sangamo	4.00	30.00
May Day	4.00	30.00

Cash With Order.

HENRY C. BLEWITT, Des Plaines, Ill.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

Shermerville, Ill.

Carnations, all plants guaranteed satisfactory, 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merworth & Bros., Easton, Pa.

Carnations, Mrs. C. W. Ward, \$6 per 100. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, field-grown, strong, bushy, fibrous roots, R. P. Enchantress, Enchantress. White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, field-grown, Brooklyn, \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, A. M. Herr, Lancaster, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Pompons, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100; 3-in., \$3.50 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

CLEMATIS.

Clematis Jackmani, 5-in., 35c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, A. M. Herr, Lancaster, Pa.

CYCLAMEN.

Cyclamen Giganteum, best English and German strains, 3-in., 8c to 10c; 4-in., 12c to 15c; 5-in., 25c to 35c; 6-in., 60c to 75c; strong plants in buds. August seedlings, \$3 per 100; \$25 per 1,000. In 12 varieties equally divided. Rober & Radke, Maywood, Ill.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen in bud and bloom, 6-in., 75c each; 7-in., \$1. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

Dahlia roots. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS, undivided field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$4 per 100. Grand Duke Alexis, white; A. D. Livoni, pink; \$6 per 100. Black Beauty, maroon and mixed, all colors, \$3 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

DAISIES.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

DRACAENAS.

Dracena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Whitman, 4-in., 20c; 5½ to 6-in., 35c to 50c; 7-in., 75c. Scott, 4-in., 20c; 5-in., 35c; 5½ and 6-in., 40c to 50c; 7-in., 75c. Boston, 8-in., 75c and \$1; 7-in., 75c; 5½ and 6-in., 40c and 50c; 5-in., 35c; 4-in., 20c. Elegantissima Compacta, 6-in., 50c. Scholzell, 6-in., 50c. Japanese fern balls, 8-9 inches, 35c. Ferns for dishes, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger sizes, \$2, \$2.50 and up, each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BOSTON FERNS.

5-inch splendid stock, 20c and 25c, ready for 6-inch.

EDW. DOEGE COMPANY.

4344 N. Springfield Ave., Chicago, Ill.

Ferns, Boston and Whitman, 6-in., 50c; \$45 per 100; 7-in., 75c; \$70 per 100; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50. Table ferns, 12 varieties, \$25 per 1,000. Cibotium Schiedel, 6-in., \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, 4-in. Boston, 10c each. Bench grown Roosevelt, ready for 4 and 5-in., 15c. Addams, Morgan & Co., Paxton, Ill.

Ferns, Boston, Whitman, Scholzell; from bench 10c and 15c; 5 and 6-in. Boston and Scholzell, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Cibotium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, \$3 per 100; 3-in., 25c each; \$3 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in. pots, 50c per doz.; \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, 2½-in., \$50 per 100; \$50 per 1,000. Henry H. Barrows & Son Whiteman, Mass.

Cibotium Schiedel, 6-8-in., \$1.50; \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FIGUS.

Ficus elastica, 4-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1 each. Ficus pandurata, 7-8-in., \$2.50 and \$3.50 each. Ficus repens, climbing, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Rubber plants, 6-in., 50c to 75c each. Ficus Pandurata, 6-in., 3 ft. high, \$3.50 each; 7-in., 5 ft. high, \$4.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, Belgium or American stock, 5½-in., 30c, 35c and 40c each; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, assortment including Nutt, Beaute Poitevine, Jean Obelce, La Favorite, etc., 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, two hundred S. A. NUTT, grown for stock, bushy, \$6.50 per 100. S. F. Goodrich, Geneva, O.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Freres, D. E., Chicago.

GERANIUMS.

Select, well-rooted cuttings only.

S. A. NUTT and SALLEROI, ready Nov. 20. \$1.25 per 100; \$10 per 1,000.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

Geraniums, Poitevine, Nutt, Ricard, Doyle, Viald, La Favorite, Rose, rooted cuttings, \$1 per 100. Edward Wallis, Berlin, N. J.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Dessert holly, crates 2x2x2½ ft., f. o. b., Armargosa, \$5. Sample, 50c and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hardy perennial phlox. For varieties and prices, see advertisement elsewhere in this issue. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas, pot-grown for forcing, in 6-in. pot. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangeas for forcing, 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½-, 6- and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Rennison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 2½-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia, Pa.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

LILY OF THE VALLEY.**To Import.**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley from cold storage, Bruns' Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

Deutzia gracilis, 8-in. pot-grown, 70 to 80 branches 30c each; \$3 per doz.; \$20 per 100. Specimen fruit trees. Vaughan's Seed Store, Chicago and New York.

First-class fruit trees. Samuel Fraser, Box D, Genesee, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2 to \$2.50. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, \$1.50, \$3, \$4 and \$5 each. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wynote, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Phoenix Roebeleni, 3-in., 25c each; \$2.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Palms in all sizes, from 4-in. to 12-in. tubs. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants. Oct. 1st. 50c per 100; \$2.50 per 1,000. Seed. giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUM.

Pelargoniums, Mary Washington (pansy), Mrs. Loyal (pansy), Lord Mayor Tuckor, Countess of Crew, 3-in., \$5 per 100; \$40 per 1,000. Other kinds, \$6 per 100. R. Vincent, Jr. & Sons Co., White Marsh, Md.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttei, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. W. & T. Smith Co. Geneva, N. Y.

PEPPERS.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Christmas and new Cluster peppers, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

PETUNIAS.**PETUNIAS.**

Select, well-rooted cuttings, DREER'S SNOW-BALL DOUBLE WHITE, \$1 per 100. Ready Nov. 20th.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

Petunias, double, 10 kinds, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 8c; 4-in., 12c to 15c; 5-in., made-up pans, 35c to 50c; 6-in., made-up, 75c. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primula chinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz.; Obconica, 3-in., 75c per doz.; \$5 per 100; 4-in., \$1.25 per doz.; \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Obconica Giant Monarch Firebrand, new scarlet; Bride, new shell pink, ready for 4-in. pots, \$4 per 100. Extras. Cash. John F. Rupp, Rupark, Shiremanstown, Pa.

Miller's Giant Obconica Primulas, 3-in., \$4 per 100. Chinese, 3-in., \$4 per 100. Malacoides, the big baby primula, 3-in., \$4 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese and Obconica, 2½-in., 1½c; 3-in., 2½c; 4-in., 6c. Samuel Whitton, Utica, N. Y.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Primula Chinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz. Obconica, 4-in., \$1.25 per doz.; \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula obconica, in bloom, 4-in., 15c each; \$1.50 per doz.; 5-in., 25c each; \$2.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula Malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Primula Malacoides, 3-in. pots, \$5 per 100. F. F. Scheel, Shermerville, Ill.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschendorff, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Rose Milady. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early Spring sales.

Pkts.	Pkts.
Begonia Bedding Queen, finest Pink \$2.50	\$0.50
Begonia Gracilis luminosa, fin't red 2.50	.50
Begonia Triumph, finest white.....	2.50 .50
O. V. Zangen,	Hoboken, N. J.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25. 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, cauliflower, cabbage and root seeds. Hjalmar Hartmann & Co., Copenhagen, Denmark. Loechner & Co., 11 Warren St., New York, sole agent for U. S. and Canada.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

Seeds, new culinary peas, Sharpe's Marchioness. Sharpe's Vanguard, Sharpe's Tallisman. Trade prices on application. Charles Sharpe & Co., Ltd., Sleaford, England.

Seeds, Silver Pink Snapdragon, \$1 per pkt., 3 pkts., \$2.50. G. S. Ramsburg, Somersworth, N. H.

Seeds, Cabbage, Cauliflower, Mangel, Rutabagas, etc. L. Dahnfeldt, Odense, Denmark.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGON.

Snapdragons, giant white, red, yellow and pink, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$3 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rendison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertilene. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., ¼ lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152. Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron greenhouses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Dennison distinctive tags for the holiday season. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Tree tubs and brass hoop jardinières. The American Woodware Mfg. Co., Toledo, Ohio, U. S. A.

Nicotine Bug Killer. P. R. Palethorpe Co., Clarksville, Tenn.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.
Amling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Badgley, Reidel & Meyer, Inc., New York.
Bassett & Washburn, Chicago.
Beiger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Domoto Bros., San Francisco, Calif.
Froment, H. E., New York.
Gunther Bros., New York.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennelcott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Lecakes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconl, Paul, New York.
Montreal Floral Exchange, Ltd., Montreal, P. Q.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust., Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Poehlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reld, Edward, Philadelphia, Pa.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Turner, O. A., Chicago.
Totty, Chas. H., Madison, N. J.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wieler Bros., Chicago.
Wittbold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



The Pittsburg Section Heard From.

"The first L. & B. houses I put up were so satisfactory that I soon added 75 ft. extensions to each of them. Then I needed more growing room and put up this fine big Iron Frame 57 ft. wide house. It is a perfect greenhouse. Built on a steep side hill, it hasn't shifted an inch. The bolted together angle iron columns seem to give it great stiff-



ness, for not a glass has broken except by outside causes. Then another thing—every iron member was cut and drilled absolutely exact. It went together like a charm. This is very necessary to the man who erects his own houses."

Joseph Thomas

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Building

Philadelphia
Franklin Bank Building

Boston
Tremont Building

Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes,
Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

We Build Them on Wheels.

Movable greenhouses have been proved adaptable to many uses and are profitable for ten Reasons. If you are growing carnations, asters, strawberries, cucumbers, asparagus or rhubarb you will surely be interested.

Write us today for "Movable Reasons."

GEO. M. GARLAND CO.

LOCK BOX 5. :: :: DES PLAINES, ILL.

NOW READY

The American : :
Florist Company's

-- TRADE -- DIRECTORY

— For 1912 —

Contains 646 Pages
Price \$3.00 Postpaid

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St.
CHICAGO

How to Heat a Small Greenhouse with Complete Satisfaction

Full information is given in the new Wilks catalogue. Shall we send it to you?—Now?

READ THIS—
S. Wilks Mfg. Co.

New Orleans, La., Oct. 21, 1909.

I have been using two of your heaters in a 20x300-foot house for growing cucumbers. I have been using them seven years with perfect satisfaction.

WM. NELSON.

Wilks Self-feeding Hot Water Boilers

heat up to 3000 sq. ft. of glass; require no night firing; are built entirely of steel.

WRITE FOR FULL PARTICULARS.

S. Wilks Mfg. Co., 3503 Shields Avenue,
CHICAGO.



Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.



WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

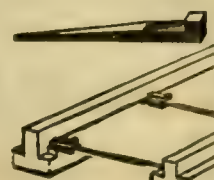
GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880

22nd and Lumber St. CHICAGO



**Siebert's Zinc
Glazing Points.**

Good for small or large glass, do not rust, easy to drive $\frac{1}{8}$ and $\frac{1}{4}$ inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00
Vaughan's Seed Store,
Chicago. New York.



This
Beautiful
Lawn Vase
Only \$4.90.

Height, 20 inches;
diameter of bowl, 22
inches; size of base,

14 inches; capacity of reservoir, $1\frac{1}{2}$ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

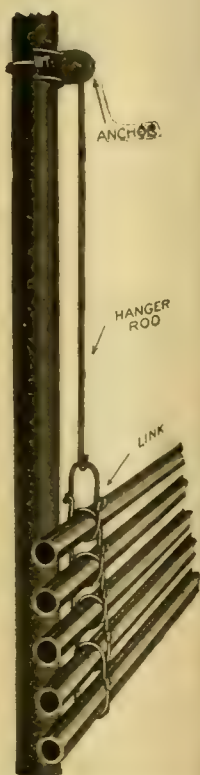
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{1}{8}$ and $\frac{1}{4}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.
Mention the American Florist when writing

An Improved Pipe Hanger.

Allows for expansion of individual pipe as well as the whole coil.

Write for Prices.



King Construction Company
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway.
BOSTON: 410 Winthrop Building.

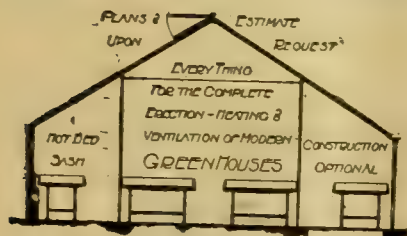
KROESCHELL BOILER

SEND FOR CATALOGUE



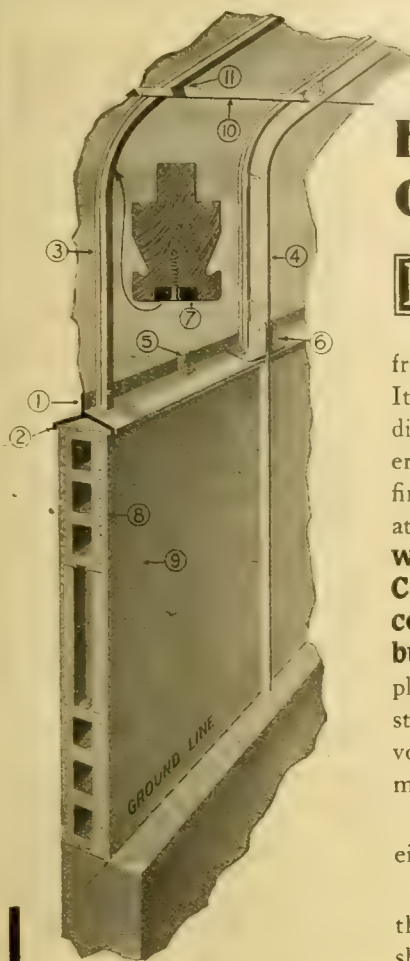
KROESCHELL BROS. CO.,
452 W. Erie St., Chicago, Ill.

Mention the American Florist when writing



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.
Mention the American Florist when writing.



HITCHINGS CURVED EAVE

Right at the start, get it out of your mind that our Curved Eave is an imitation or infringement of any other Curved Eave. It absolutely is not. It's an entirely different construction from any others. In detail it is the same as our first Curved Eave which was originated by us over nine years ago and **which was the first Flat Rafter Curved Eave construction ever constructed by any greenhouse builder.** From the first it was simplicity itself—today it is still the same strong, neat, light eave, entirely devoid of any cumbersome reinforcement fittings.

It is economically adaptable for either commercial or private houses.

Send for the new catalog, which thoroughly explains each number as shown on this illustration.

Hitchings & Co.,
ELIZABETH, NEW JERSEY.

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

The Early Advertisement Gets There

PULVERIZED OR SHREDDED

PULVERIZED

CATTLE MANURE



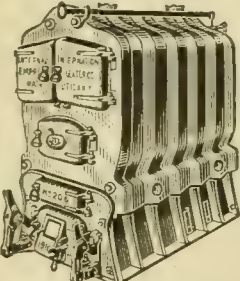
SHEEP MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago



Describe a First-Class Greenhouse Boiler. Fuel capacity for the longest winter. Simple enough to be fool proof and conservatively rated. That is the International Empress Boiler to a dot. If you haven't one already, write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

BURNED CLAY

TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including Iron Pipe Frame, with Tile Bottoms and Sides. Write for descriptive circular and delivered prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

CYPRESS
IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

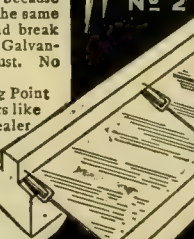
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Dreer's Peerless Glazing Points
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.
HENRY A. DREER,
714 Chestnut Street, Philadelphia.

FULL SIZE No 2



Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.
Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

green flies and black ones too

are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-Five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

Furnishes the
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE

By far the
CHEAPEST

JUST NOTE PRICES

Pint.....	\$ 1.50
1/2 Gallon.....	5.50
Gallon.....	10.50
5 Gallons.....	47.25

Preserve Cut Flowers in BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.
518 Milwaukee Ave., CHICAGO, ILL.

Mention the American Florist when writing

SPECIAL OFFER

That every one may know the superior
qualities of the

Mastin Spraying Machines

We will sell for a short time
F. O. B. Chicago, Ill., Cash
to accompany the order,
one 3-Gallon Mastin Steel
Spraying Machine Complete
for \$4.97, and give you one
Mastin Whitewash Nozzle
and one Extension Rod.
Free. Regular price \$7.50 for outfit.
Write name and address plainly. Cash
must come with order.



J. G. MASTIN CO.

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing



Ventilating Apparatus
that will give perfect satisfaction, is just what you want. What we want is to call your attention to the fact that we are manufacturing absolutely the most perfect apparatus on the market. We guarantee it to satisfy.

Send us the full dimensions of your house or houses, and we will quote you an attractive price.

Write for catalog anyway: it will interest you.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

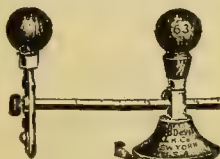
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS



A "Red Devil" Glass Cutter

That will cut PERFECT CIRCLES

2-in. to 20-in. in any kind of glass. If you have circular lights in your greenhouse you should have one of these "Red Devil" Circular Glass Cutters handy at all times. Your local hardware dealer has it. Ask for "Red Devil" No. 263, but if you can't get it locally, send us \$1.25 and one sample only will be sent postpaid.

SMITH & HEMENWAY CO., 105 Chambers Street, N. Y., U. S. A.

("RED DEVIL" TOOLS are Sold throughout the world.)

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

Peerless

Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing



Double-Glass Double Profits

The old single layer hot-bed sash are better than none, but they must be covered; and boards, mats or shutters are pure waste.

The new Sunlight Double Glass Sash, with two layers of glass enclosing an air space, are

Complete in Themselves

They eliminate covers and half the labor; they admit all the light to store warmth in the bed and then save the warmth at night. They make plants strong and early. They double net profits. Every practical gardener or florist will see the value of this.

It is good business for you to get our free catalog.

Write your address plainly and send it today. The hot-bed season is not far off. Prof. Massey's booklet on Hot beds sent for 4c.



Sunlight Double Glass Sash Co.
934 East Broadway, Louisville, Ky.



The double layer of glass does it.

Mention the American Florist when writing



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept., "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

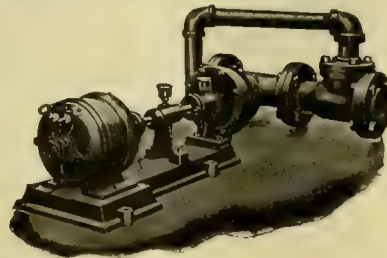
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phone: Lincoln 410 and 411



PIPE CARRIERS

We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA

THE AMERICAN FLORIST



America is "the Frow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, NOVEMBER 9, 1912.

No. 1275

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST FÖEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FAROUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at New York,
November 6-8, 1912. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Heaths.

All the ericas will require a cool temperature to get the best results. Erica melanthera can be had in flower for Christmas and early winter but under no circumstances will it pay to try to force it into bloom by giving it artificial heat, for it will immediately spring into a soft growth. They will give the best results in a house where the night temperature is kept at from 40° to 45° with plenty of ventilation throughout the day. When coming into bloom the plants should never suffer for want of water, in fact, these plants should be kept well watered throughout their growth. The propagation of the young stock for the succeeding year should now commence, the soft tender shoots that protrude beyond the flowering wood being the best for this purpose. A cool propagating bed is to be preferred for they do not need bottom heat, but the soft cuttings will need to be well shaded and kept well watered, and if enclosed in glass the cuttings will strike more readily. As soon as rooted they should be potted and the selection of soil is important. A light peaty soil mixed with a good proportion of sand is what they desire. Give the plants all the air possible throughout their growth, in a cool temperature and in a bright sunny location.

Genistas.

If the genistas are grown in warm greenhouses they invariably come into bloom before Easter, unless that day is at its earliest in March, so the plants that are to be at their best for that day should be retarded by being grown cool until late winter. These plants are much better under cool treatment at all times, but by bringing into gentle heat they can be had in succession from February to April. Plants that are being grown into special forms will have to be kept pinched back to conform to the shape until the flower buds set. The cuttings for next year's growing should be propagated during November and early December. The top shoots which are pinched off to keep

the plants shapely make fine stock for propagation and they root readily in a bench with a little bottom heat. They should be shaded for a few days when first placed in the sand. Pot in small pots as soon as rooted and shift into larger sizes as required. When growth commences pinch back to keep the plants shapely.

Acalyphas.

One of the plants that is not ordinarily grown as well as it ought to be and which makes a beautiful showy plant is the acalypha, especially A. Godseffiana and A. Sanderi, which bears long spikes of red flowers, sometimes called the chenille plant, from the flowers which resemble large pieces of red chenille. The plants should be well hardened off in the fall and cuttings of the new growth can be taken during the winter, in November and December, if fine specimens are wanted. The cuttings are taken preferably with a heel and root easily in a warm propagating bench. When rooted they should be potted in a good rich soil and placed in a warm greenhouse until they have made roots and commenced to grow, when they can be removed to slightly cooler quarters. The great mistake made by many growers is to place them in a cool house immediately after they have been taken from the propagating bed and they stand half dormant, and if too cool frequently lose much of their foliage, and get stunted. To have fine plants they should be kept moving all winter and potted into larger-sized pots as soon as necessary, and a few of these showy plants well grown will attract attention and redound to the credit of the grower. Aphis and mealy bug are the two insect enemies of these plants, and should be kept in check continually or the plants will be ruined. The bedding acalyphas should be handled in a similar manner but the first of the year is early enough to start the cuttings of these unless there are signs of a shortage of stock, in which case early propagation is to be recommended, and it is seldom one has too many of these plants if they are well grown.

Index to Advertisers,
Page 934

Ready Reference Advt.,
Page 935

Help and Situations Wanted,
Advertisements,
Page 903

Begonia Rex.

With the advent of steady firing and a warm propagating bench the cuttings of *Begonia rex* should be started at once if good plants are desired for spring and summer growing. These plants are very ornamental when well grown and the leaves can be used in much floral work. These plants are raised from either shoot or leaf cuttings but where many are propagated the latter method is generally employed. Well matured leaves that are healthy and vigorous are selected and two methods can be adopted. The leaf can be cut several times through the midrib and its branches and then placed on the propagating bed and the cuts pegged down to the sand. A wire in the shape of a hair pin will do this. Or the leaf may be cut into triangular pieces, with the rib as the apex, and these cuttings inserted in the sand as other cuttings are with the point down. Another method sometimes adopted is to cut the leaf in two parts lengthwise and the two halves are stood erect in the sand. The cutting bench should be shaded and if covered with glass and kept close the propagation will be more rapid and successful. The small leaves will shortly protrude from the sand and when the roots have attained a length of half an inch or more they can be potted in soil consisting of two parts loam, one part leaf-mold, one part well-rotted manure, and one part sand. They will require a warm temperature, and when watering be careful not to wet the foliage, especially where the sun shines upon them, or holes in the leaves will be the result. They should be shifted into larger pots as required and as the plants grow coarser soil may be used in the potting. They make much handsomer plants when grown in shady locations rather than in the full sunlight.

Stevia.

The early stevia will now be coming into flower, but if the plants are in pots, and there is a good large number, they should not be brought into flower all at once. By keeping some of the plants in a cool location they can be retarded so that plants may be had in bloom up to February. A house or deep frame where the night temperature can be kept just above the freezing point will hold them in check and they can be brought in as desired. The dwarf variety is very easily handled in this manner, but the tall plants are not so easily moved around. Keep the plants well tied up for the joints are very brittle and break down easily, and the long variety should be very carefully handled even after the sprays are cut for they break down with their own weight when in flower.

COEUR D'ALENE, IDA.—Adolph Donart has opened a retail store at 222 Sherman street.

NAMPA, IDA.—H. M. Bouser, formerly with the Boise Floral Co., has purchased property and will build a greenhouse.

PASADENA, CALIF.—Fully fifty percent more entries were received at this fall flower show than at any similar exhibition held in the past.
SEED

SAN FRANCISCO, CALIF.—Geo. C. Roeding, chief of the horticultural department of the Panama Pacific Exposition, has returned from a five-months' stay in Europe, where he went in the interests of the exposition.

THE RETAIL TRADE

Conducted by Rob. Kift, Philadelphia, Pa.

Favor Suggestions.

The envelope baskets made of palm and straw which come from Jamaica are inexpensive and most attractive for floral arrangement. They are woven in every imaginable size and shape and colored with vegetable dyes. Some are made of cane over stout foundations. A charming openwork cane basket can be lined with a green tinfoil and bunches of violets arranged in them. Especially pretty are the square effects, for these cane baskets are woven so loosely a violet ribbon can be intertwined and a bow tied of it, making a pretty suggestion for an offering. Then the envelope baskets of cane and straw can be arranged with some small flower, either sweet peas, lily of the valley or tiny pink roses, and when tied with a loop to carry over the arm make a pretty favor for a cotillion. These envelope baskets are about six inches wide and about nine high. The flap is about three inches over. On these envelope baskets tiny rings of flowers can be arranged and the loop made of asparagus vines, using the individual leaf of the asparagus. These will also look well arranged with red berries. They can also be decorated by merely covering the flap with red berries, attaching a tiny ball of the berries at the middle of the flap to extend in a red ribbon as a sort of ornament. Use red ribbon for loop over the arm. Tiny chain baskets are also good for cotillion favors. Connect about three of the small two-inch square baskets with red satin ribbons of the very narrow kind, allowing enough to extend up over the baskets to be used as a loop over the arm. Tie a tiny bunch of violets in each if berries are not used. In using the violets use either a green satin ribbon or a shade of harmonizing green.

A. E. K.

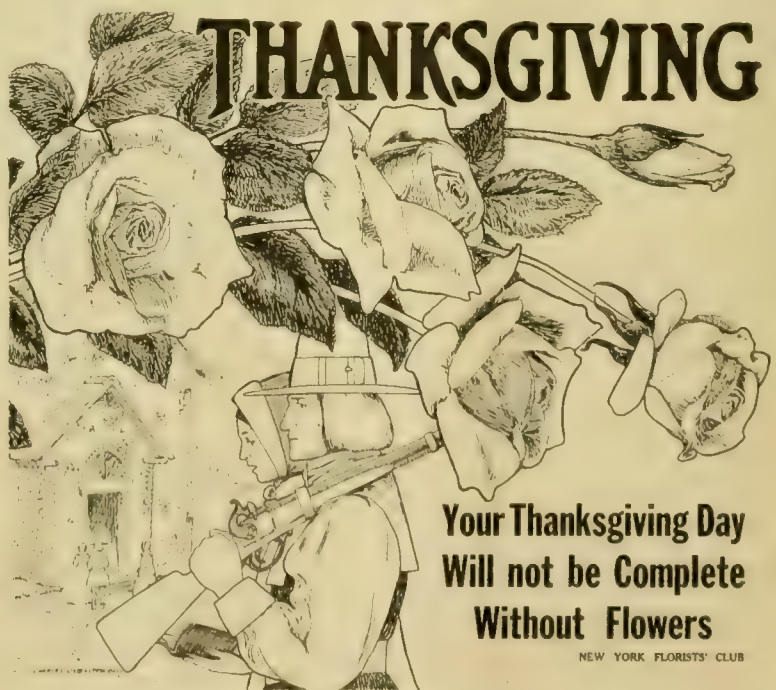
New York Florists' Club.

As Secretary of the New York Florists' Club's publicity committee, I have been instructed to send the publishers of THE AMERICAN FLORIST a black and white cut of the Thanksgiving show card which our committee is going to distribute to the retail trade for display in their shop windows the week preceding November 28, Thanksgiving Day. This card will make a very taking appearance printed in three colors on a sheet 12 $\frac{1}{4}$ inches wide by 11 inches deep. This showcard in turn is mounted on a neutral cardboard 14 inches wide and 13 inches deep, the board being punched for a cord by means of which it can be suspended. These cards are sent to each recipient in large manila envelopes, into which are also placed 50 box slips, about 4 $\frac{1}{2}$ x 6 inches, on which will be printed a few facts concerning the observance of Thanksgiving Day and the use of flowers for that occasion. Retailers will be requested to place one of these slips in each package or box of flowers they send out prior to Thanksgiving Day, in order to promote sales of flowers on Thanksgiving Day itself.

The drawing is by a celebrated artist, Charles Livingston Bull, and represents a spray of deep pink roses as the leading feature. In the lower left hand corner is shown a Puritan and his wife going to Thanksgiving service at the little stone church in the distance. The Puritan is armed with his flintlock musket, as was the custom in those days. The ancient and modern customs of celebrating Thanksgiving are thus brought into full contrast. This will be the second showcard distributed by the publicity committee of the New York Florists' club.

The reception of the first, a hallo- we'en show card, met with great favor, and it is expected that the Thanksgiving card, on account of its artistic execution, will be in still heavier demand. At least 2,000 of these latter will be distributed in New York City and its immediate vicinity, and it is expected that this distribution will have a marked effect upon the people at large in inducing them to purchase flowers for Thanksgiving.

JOHN YOUNG,
Secretary Publicity Committee.



**Your Thanksgiving Day
Will not be Complete
Without Flowers**

NEW YORK FLORISTS' CLUB

NEW YORK FLORISTS' CLUB.

Card put out by Publicity Committee to Promote Flower Sales for Thanksgiving.

THE EXHIBITIONS.

Lenox Horticultural Society's Fall Show.

The first exhibition of the fall season opened in the town hall at Lenox, Mass., on October 24. The exhibition was held by the Lenox Horticultural Society and was well arranged. The groups on the main floor occupied the premier position, the intervening space being used to display the large vases of chrysanthemums. Orchids, roses and carnations filled the right table, short-stemmed specimen chrysanthemum blooms the left. Flowering plants were on the stage, and vegetables and fruits upstairs. The judges were Wm. Kleinheinz, Ogontz, Pa., Thomas Logan, Philadelphia, Pa., Jas. Stewart, Mamaroneck, N. Y., and A. E. Thatcher, Bar Harbor, Me. The competition being very keen in the important classes, the judges found many problems in awarding decisions but gave general satisfaction. The groups were very pleasing and artistic. Fred Heeremans, superintendent for W. D. Sloane, won the Breck silver cup with an effective and harmonious arrangement consisting of a central column and three side mounds of *Phoenix Roebelenii*, *Begonia Gloire de Lorraine* and *Lilium Giganteum*. The panels were filled with specimen crotons, lily of the valley and Farleyense ferns. Second prize went to Allen Jenkins, superintendent to S. P. Shotter. The third prize was received by Ed. Jenkins, superintendent to Girard Foster. The Boddington prize group was easily won by A. J. Loveless, superintendent to Mrs. Griswold. The other orchid prizes were shared by A. H. Wingate, superintendent to Chas. Lanier, E. J. Norman, superintendent to Mrs. Westinghouse, and P. J. Donohue, superintendent to Mrs. Jessup. The awards were as follows:

Twelve 6-inch chrysanthemums in pots—Mrs. Griswold, first; G. Foster (E. A. Jenkins, gardener), second; Mrs. Robt. Winthrop (S. W. Carlquist, gardener), third.

Groups of plants, 11 feet in diameter, arranged for effect—W. D. Sloane (A. J. Loveless, gardener), first; J. P. Shotter, second; G. Foster, third.

Specimen kentia—Chas. Lanier (A. H. Wingate, gardener), first; G. Foster, second.

Specimen areca—Chas. Lanier, first.

Specimen any other variety—G. Foster, first; W. D. Sloane, second.

Specimen fern—W. D. Sloane, first; Chas. Lanier, second; W. M. Salisbury (J. W. Pybus, gardener), third.

Three specimen ferns—Chas. Lanier, first; W. D. Sloane, second.

Twelve flowering plants—G. Foster, first; W. M. Salisbury, second; Mrs. Griswold, third.

Twelve ornamental foliage plants—W. M. Salisbury, first; Chas. Lanier, second.

Group of orchids—Mrs. Griswold, first; W. D. Sloane, second.

Twelve *Cattleya labiata*—Chas. Lanier, first.

Six *Cattleya labiata*—W. M. Salisbury, first; W. D. Sloane, second; Mrs. Jessup, third.

Twelve cypripediums — Mrs. Griswold, first.

Six cypripediums—Mrs. Geo. Westinghouse (E. J. Norman, gardener), first; Mrs. Jessup, second.



STANDING WREATH OF LILIES AND AMERICAN BEAUTIES.

Design by A. Graham & Son, Cleveland, O.

Twelve oncidiums — Chas. Lanier, first.

Six oncidiums—Mrs. Jessup, first.

CHRYSANTHEMUMS.

Twenty-four distinct varieties—W. D. Sloane, first; S. P. Shotter, second; G. Foster, third.

Vase of 24 blooms—W. D. Sloane, first; Mrs. Jessup, second; S. P. Shotter, third.

Twelve distinct varieties—Mrs. Griswold, first; Mrs. Winthrop, second; Mrs. Jessup, third.

Six distinct varieties—W. M. Salisbury, first.

Twelve blooms, not less than 6 varieties—Mrs. Griswold, first; Mrs. Winthrop, second.

Six yellow—Mrs. Griswold, first; W. D. Sloane, second.

Six red—Mrs. Winthrop, first; Mrs. Jessup, second.

Six white—Mrs. Griswold, first; W. D. Sloane, second.

Six pink—R. W. Patterson (Thos. Proctor, gardener), first; G. Foster, second.

Six bronze—G. Foster, first; Mrs. Griswold, second.

Six any other color—Mrs. Griswold, first; Mrs. Jessup, second.

Three white—Mrs. Jessup, first.

Three pink—Mrs. Jessup, first.

Three bronze—Mrs. Jessup, first.

Six Ramapo—G. Foster, first; Mrs. Winthrop, second.

Six Smith's Sensation—G. Foster, first; S. P. Shotter, second.

Twelve vases single flowers—Mrs. Geo. Westinghouse, first; Mrs. Winthrop, second.

Six vases single flowers—J. H. Choate, first; S. P. Shotter, second.

Six vases pompons—G. Foster, first;

R. C. Dixey (A. MacConnachie, gardener), second.

ROSES.

Vase of 50—W. D. Sloane, first; G. Foster, second.

Eighteen American Beauties—W. D. Sloane, first; Mrs. Jessup, second.

Twenty-four pink—W. D. Sloane, first; Mrs. Jessup, second.

Twenty-four white—W. D. Sloane, first.

Twenty-four Kaiserin Victoria—R. W. Patterson, first.

Twenty-four Pres. Carnot—G. Foster, first.

Twenty-four scarlet—G. Foster, first.

Twenty-four yellow or bronze—Chas. Lanier, first; G. Foster, second.

Twenty-four any other variety—G. Foster, first.

Twelve American Beauties—Mrs. Jessup, first.

Twelve white—Mrs. Jessup, first.

Twelve pink—R. W. Patterson, first.

Twelve Kaiserin Victoria—W. D. Sloane, first.

Twelve yellow—Mrs. Jessup, first.

Vase Killarney Queen—Chas. S. Mel-len.

Twelve Double White Killarney—Mrs. Jessup.

CUT CARNATIONS.

Twenty-four white—Chas. Lanier, first; R. W. Patterson, second.

Twenty-four pink—R. W. Patterson, first; Chas. Lanier, second.

Twenty-four dark pink—Chas. Lanier, first; Mrs. Griswold, second.

Twenty-four light pink—R. W. Patterson, first.

Twenty-four scarlet—Mrs. Griswold, first; Chas. Lanier, second.

Twenty-four crimson—Chas. Lanier, first.

Twenty-four any other color—Chas. Lanier, first.

Twelve white—Mrs. Winthrop, first; Mrs. Griswold, second.

Twelve pink—R. C. Dixey, first; Mrs. Winthrop, second.

Twelve dark pink—Mrs. Winthrop, first; Mrs. Jessup, second.

Twelve light pink—R. C. Dixey, first; Mrs. Winthrop, second.

Twelve scarlet—W. M. Salisbury, first; Mrs. Winthrop, second.

Twelve any other color—Mrs. Jessup, first.

Fifty mixed—Mrs. Griswold, first.

One hundred violets, single—Mrs. Westinghouse, first; W. D. Sloane, second.

One hundred violets, double—Chas. Lanier, first; W. D. Sloane, second.

FRUIT.

Twelve dishes distinct varieties of apples—W. D. Curtiss, first; R. C. Dixey, second.

Twelve dishes distinct varieties of apples—G. Foster, first.

Six dishes of pears—G. Foster, first.

Two clusters of indoor grapes, black—G. Foster, first; W. D. Sloane, second.

Two clusters of indoor grapes, white—Mrs. Winthrop, first; G. Foster, second.

VEGETABLES.

Eighteen varieties, silver cup given by Mrs. Winthrop—W. D. Sloane, first; G. Foster, second; C. de Heredia, third.

Twelve varieties—Mrs. Winthrop, first.

Six varieties—S. P. Shotter, first; J. H. Choate, second.

Ten varieties potatoes—G. Foster, first.

Six varieties celery—G. Foster, first; Mrs. Winthrop, second.

Six varieties onions—S. P. Shotter, first; G. Foster, second.

Six varieties carrots—W. D. Sloane, first; G. Foster, second.

Six varieties leeks—Chas. Lanier, first; G. Foster, second.

Six varieties endive—Mrs. Winthrop, first.

Dish of tomatoes—Mrs. Winthrop, first; W. M. Salisbury, second.

Six varieties lettuce—G. Foster, first; Mrs. Sturgis, second.

Dish of mushrooms—W. D. Sloane, first; Mrs. Winthrop, second.

Three varieties of cauliflowers—Chas. Lanier, first.

Three varieties of cucumbers—C. de Heredia, first; G. Foster, second.

Six varieties of parsnips—W. D. Sloane, first; S. P. Shotter, second.

Dish brussels sprouts—G. Foster, first; Chas. Lanier, second.

Michell medals for best new or meritorious plant or flower—Mrs. Griswold, first, with Ursula Griswold chrysanthemum; R. W. Patterson second with hybrid orchids.

Certificate of merit—A. N. Pierson, Inc., Cromwell, Conn., new rose Milady.

Certificate of merit—J. D. Cockcroft, Northport, N. Y., for carnation Northport.

HARRY TURNER.

Pasadena Horticultural Society.

FALL FLOWER SHOW.

The fifth annual fall flower show of the Pasadena Horticultural Society was held October 24-26, at the Hotel Maryland. The exhibition was declared to be the best yet held by this society and drew enormous crowds. There was an immense array of chrysanthemums, dahlias and other autumn flowers, one exhibitor alone displaying more than six hundred varieties of chrysanthemums. Nearly a thousand varieties of dahlias were shown. Notable among the displays was Henry E. Huntington's rare collection of palms and tropical plants. Two specimens of dwarf Japanese pines from the gardens of the late emperor of Japan were shown by the Figueroa Nursery of Los Angeles. The largest collection of chrysanthemums was that of Miss Sadie A. Thomas, wholesale and retail florist of Pasa-

dena. She had on display 486 standard varieties and 157 pompons and singles. Chas. H. Totty of Madison, N. J., showed fifteen rare exhibition varieties which he introduced from England. Awards made the first day were as follows:

CHRYSANTHEMUMS.

Thirty-six blooms, six varieties, six of each—Mrs. H. C. French, first; C. H. Garvey, second; Mrs. Eva S. Fenyes, third.

Twenty-four blooms, four varieties, six of each—Mrs. H. C. French, first; C. H. Garvey, second; Mrs. Eva S. Fenyes, third.

Twelve blooms, yellow—Mrs. Eva S. Fenyes, first; I. D. Butterfield, second; Mrs. F. W. Kellogg, third.

Twelve pink—Mrs. Eva S. Fenyes, first; Mrs. H. C. French, second; I. D. Butterfield, third.

Twelve bronze—C. H. Garvey, first; Mrs. H. C. French, second; Mrs. F. W. Kellogg, third.

Twelve, any other color—C. H. Garvey, first; Mrs. H. C. French, second; I. D. Butterfield, third.

Six white—Mrs. H. C. French, first; Mrs. Mary Torrence, second.

Six yellow—W. H. Cornett, first; H. H. Sinclair, second; Mrs. H. C. French, third.

Six pink—Mrs. H. C. Barroll, first; R. G. Neustadt, second; R. G. Neustadt, third.

Six bronze—W. H. Cornett, first; R. G. Neustadt, second; Mrs. H. C. French, third.

Six of any other color—Mrs. H. C. Barroll, first; H. H. Sinclair, second; Mrs. H. C. French, third.

Three white—Mrs. H. C. French, first; C. H. Garvey, second; R. G. Neustadt, third.

Three yellow—W. H. Cornett, first; C. H. Garvey, second; E. H. Groenendyke, third.

Three pink—R. G. Neustadt, first; E. H. Groenendyke, second; H. H. Sinclair, third.

Three bronze—C. H. Garvey, first; W. H. Cornett, second; W. J. Hogan, third.

Three, any other color—Mrs. H. C. French, first; Mrs. Andrew McNally, second; W. H. Cornett, third.

One, any other color—Mrs. H. C. French, first; H. C. Garvey, second; E. H. Groenendyke, third.



PASADENA HORTICULTURAL SOCIETY'S SHOW.

Collection of Chrysanthemums Exhibited by Sadie A. Thomas, Pasadena, Calif.



HORTICULTURAL SOCIETY OF NEW YORK.

The Three Bush Chrysanthemums Exhibited at the Fall Exhibition by Adolph Lewisohn (John Canning, Gardener), Ardsley, N. Y.

Twelve sprays pompons, any color—Mrs. Andrew McNally, first; G. C. Bush, second; Mrs. H. C. French, third. Plant, bush grown—C. H. Garvey, first, second and third.

Special grafted standard, pot grown—C. H. Garvey, first and second.

Three special plants—C. H. Garvey, first; Mrs. Eva S. Fenyes, second.

Group of potgrown chrysanthemums—C. H. Garvey, first; Mrs. S. W. Allerton, second.

Group pompons—Mrs. H. C. French, first; Mrs. Eva S. Fenyes, second.

Six, white—Mrs. H. Geohagan, first; G. C. Bush, second; S. Roe, third.

Six yellow—Mrs. Charles Ingram, first; George C. Bush, second; Mildred K. Bolles, third.

Six pink—Edward J. Loake, first; George C. Bush, second.

Three white—Edyth G. Ewing, first; George C. Bush, second.

Three yellow—Edyth G. Ewing, first; Mrs. Charles Ingram, second; G. C. Bush, third.

Three pink—Edyth G. Ewing, first; G. C. Bush, second; Ada W. Lancaster, third.

Three of any other color—Gus Roe, first; Mrs. W. E. Allen, second; G. C. Bush, third.

DAHLIAS.

Collection—Mrs. Eva S. Fenyes, first; Mrs. Mary Torrence, second.

Cactus, any one color—Mrs. Eva S. Fenyes, second; Mrs. Addie Rodriguez, third.

Pompon, any one color—C. A. Canfield, first; Mrs. Addie Rodriguez, second.

Six decoration, any one color—C. A. Canfield, first; Mrs. Eva S. Fenyes, second.

Six, any one color—Mrs. Eva S. Fenyes, first.

MISCELLANEOUS.

Roses, twelve blooms—M. L. Williams, first; Mrs. H. C. French, second; C. L. Nielson, third.

Carnations, twelve blooms—Mrs. Edward Francis Holmes, first; C. H. Garvey, second; Mrs. S. W. Allerton, third.

Miscellaneous cut flowers—I. D. Butterfield, first; Mrs. S. W. Allerton, second; C. A. Canfield, third.

Group of foliage plants—Mrs. H. M. Singer, first; Mrs. Eva S. Fenyes, second; Mrs. S. W. Allerton, third.

Bridal bouquet—Mrs. S. W. Allerton, first; Mrs. Helena Childs, second.

Floral basket—Mrs. G. C. Bush, first; Mrs. S. W. Allerton, second.

Collection of fruit—A. N. Towne, first.

Cooking apples—A. L. Scofield, first; Thaddeus Lowe, second; A. N. Towne, third.

Eating apples—Thaddeus Lowe, first; Mrs. A. G. Barr, second; A. N. Towne, third.

Dish figs—A. L. Scofield, first.

Grapes, single branch—A. N. Towne, first and second.

Guavas, dish—A. L. Scofield, first; Mrs. Mary Torrence, second.

Lemons—Mrs. Rose Wagner, first.

Collection of vegetables—Dr. Barlow, first; E. H. Groenendyke, second.

Collection of vegetables—Thaddeus Lowe, first.

STOCKTON, CALIF.—A chrysanthemum carnival was held here October 24.

SALEM, PA.—This county held its first annual flower show here October 25-26.

REDWOOD CITY, CALIF.—The flower show held here October 17-19 was very successful.

OAKLAND, CALIF.—W. H. Hutchings has taken out a permit to build a greenhouse.

Horticultural Society of New York.

FALL EXHIBITION.

The fall exhibition of the Horticultural Society of New York opened on the evening of November 1, in the American Museum of Natural History, Central Park west and Seventy-seventh street, the trustees of this institution having permitted the Horticultural Society to use all space necessary for its exhibits. The committee in charge of the arrangements was composed of the following men, prominent in horticulture: F. R. Pierson, chairman; Geo. V. Nash, secretary; F. A. Havemeyer, F. E. Lager, John Canning, I. S. Hendrickson, Jos. A. Manda and James Stuart.

From every viewpoint this was the most successful exhibition ever held by the society. Primarily it was a chrysanthemum exhibition, but there were also very fine displays of roses, carnations, dahlias, ferns, orchids and other foliage and flowering plants. While everything exhibited was creditable, the feature of the show was three bush chrysanthemums grown by John Canning, gardener for Adolph Lewisohn, Ardsley, N. Y. Nothing approaching their equal has ever been seen in this city, and some very good plants have in the past been shown. Two of these plants were each eleven feet 6 inches in diameter and bore over 1,000 blooms. The other was not far behind. The white was Lady Lydia, the yellow R. F. Felton, the pink Wells' Late Pink. These plants took first prize, respectively, in classes A1, A2, and A3 of \$25. Wells' Late Pink took the sweepstake prize and a silver medal and the group was awarded a gold medal as a special prize. Other creditable exhibits of bush plants were made by Samuel

Untermeyer, Yonkers, N. Y. (W. H. Waite, gardener).

Exhibitors and prizewinners in roses were: Chas. H. Totty, Madison, N. J., who was awarded a silver medal for a vase of his new rose, Mrs. Geo. Sawyer; Traendly & Schenck, New York; F. R. Pierson Co., Tarrytown, N. Y.; Louis A. Noe, Madison, N. J.; L. B. Coddington, Murray Hill, N. J. Traendly & Schenck, Scott Bros. Elmsford, N. Y., and the Cottage Gardens, Queens, N. Y., took prizes for carnations. Lager & Hurrell, Summit, N. J., secured numerous prizes for orchids. Prizes for orchids were also awarded Joseph A. Manda, West Orange, N. J., and Samuel Untermeyer. The Julius Roehrs Co., Rutherford, N. J., had a fine exhibit of flowering and foliage plants, but not in competition. Other noteworthy exhibitors were: Wm. B. Thompson, Yonkers, N. Y. (R. F. Cushman, gardener); Percy Chubb, Glen Cove, N. Y. (Alex. MacKenzie, gardener); Miss Cockcroft, Saugatuck, Conn. (Adam Peterson, gardener); Miss Bliss, New Caanan, Conn. (J. T. Burns, gardener); Mrs. W. E. Griswold, Lenox, Mass. (A. J. Loveless, gardener); Chas. Malloy, Portchester, N. Y. (Wm. Sidley, gardener).

The attendance on Saturday, November 2, was very large, a constant line of visitors pouring through the rooms during the hours the exhibition was open, but on account of the excellent management there was no crowding or confusion. The gossips said that Samuel Untermeyer sent west for the man who had won prizes for him before; that there were large bets made on the result of the competition; that Totty's rose Mrs. Sawyer is a winner; that Geo. V. Nash and Jos. A. Manda are the right men to conduct an exhibition.

A great throng attended the exhibition on Sunday, November 3. A notable vase of the rose Radiancy was exhibited by Traendly & Schenck. Spectators were surprised at the length of the stems. The white carnation Matchless, exhibited by the Cottage Gardens Co., seems to fill the bill for the white variety. A pink carnation exhibited by James D. Cockcroft, Northport, L. I., and named Northport looks promising. As usual, the F. R. Pierson Co. had a good exhibit of prize winning ferns. Ferns come and some of them go but the Pierson ferns are all stayers. Among the out of town visitors were J. F. Sullivan, Detroit, Mich., and W. J. Palmer, Buffalo. The latter was the guest of Frank Traendly.

A. F. F.

Rochester Florists' Association.

THE ANNUAL SHOW.

Rochester, the "Flower City" of the Empire state held its annual fall flower show at Convention Hall, an ideal place, November 5-9. For several weeks the various committees had been hard at work planning for the success of the event. The Rochester Florists' Association promoted the show and Charles H. Vick was the chairman. With such a splendid committee and the loyal support of the residents of Rochester the show could not fail to be a success.

The decoration committee consisted of: Ferdinand J. Keller, chairman; George B. Hart; R. G. Salter; E. P.

Wilson; E. R. Fry; F. R. Schlegel; J. M. Keller; Geo. T. Boucher; Robert Ballentyne; C. B. Ogston; Chas. Suhr; A. H. Salter; F. W. Vick; George F. Crosman; W. T. Logan; John C. Parker; Felix Albert; John Dunbar. The chairman promised to give something new and effective in the line of hall decorations, and these combined with a very fine lighting scheme, proved most effective.



John Dunbar.
President Rochester Florists' Association.



Geo. B. Hart.
A Hard Worker for the Rochester Flower Show.

Among the local exhibits were fine specimens from the conservatories of George Eastman and Mrs. Kimball. The advertising committee did good work and made the city bloom with the yellow and black posters which they got out. Many of the large stores, public buildings and theaters exhibited them.

The committee by hard work and good management, succeeded in keeping the cost far below the actual figures of the two previous shows. The prices of admission were the same as

before—25 cents for adults and 10 cents for children. Invitations were sent out to the orphans' home and other municipal institutions for the mornings.

The general committee, numbering about 80, was composed of some of the best known city officials both of this and other cities. Among the out-of-town men were, Wm. F. Kasting, Buffalo, N. Y.; E. F. Rowe, Harrisburg, Pa.; Calvin J. Huson, Albany, N. Y. Geo. Eastman of Kodak fame was among those represented.

Both the hall proper and the annex were filled with the finest and rarest blooms of the season. Mr. Eastman was a patron of the first two flower shows and upon frequent visits to the hall did not disguise his pride in the display of Rochester grown flowers or the general arrangement scheme. Among specimens from his conservatories that excited interest were Japanese water lilies and an exhibit of chrysanthemums.

Members of the Ladies' Florists' Club served refreshments in a tea room. The women met recently at the home of Mrs. George Crosman, No. 63 Crosman Terrace, to organize and perfect plans. Mrs. John Dunbar, chairman of the committee and wife of the president of the Florists' Association, presided. Other members of the committee were: Mrs. William L. Keller, Mrs. E. H. Vick, Mrs. Charles Suhr, Mrs. Geo. B. Hart, Mrs. E. P. Wilson, Mrs. R. G. Salter, Mrs. F. W. Vick, Mrs. F. J. Keller, Mrs. A. H. Salter, Mrs. George Boucher, Mrs. F. R. Schlegel, Mrs. J. M. Keller, Mrs. W. H. Dildine, Mrs. George Arnold, Mrs. R. F. Nagle, Mrs. E. R. Fry, Mrs. George Keller, Mrs. Chas. Boland, Mrs. F. B. Messing, Mrs. Edward S. Osborne, Mrs. C. A. Rapalji, Mrs. John Suhr, Mrs. Geo. Shepard, Mrs. L. Brockman, Mrs. H. W. Wilson and Miss M. Crook. The women agreed upon a division of work and appointed a committee of men to help out.

At the meeting of the advertising committee, H. W. Bramly and W. H. Campbell, advertising managers of two department stores said that "no public or semi-public pleasure-giving enterprise seemed to stir more enthusiasm, attract more visitors and interfere less with business activity." They said they regarded the flower show as a producer of business.

Music and flowers make a great combination, and the committee did well in procuring the park band under the directorship of Theodore Dosenbach to be at the hall at the opening day. The Fifty-fourth regiment band was in attendance the rest of the time and the ladies orchestra played daily in the other hall.

H. J. HEAD.

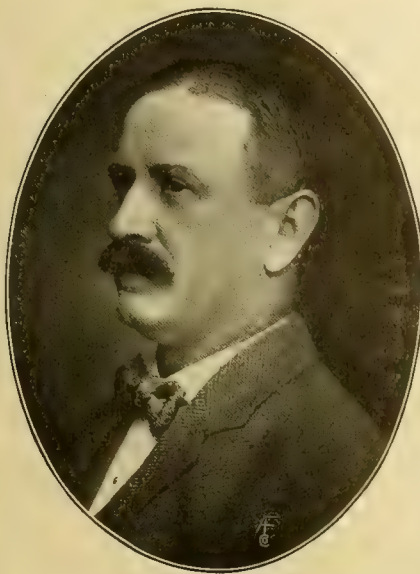
Nassau County Horticultural Society.

EIGHTH ANNUAL EXHIBITION.

This society held its eighth annual exhibition at Pembroke Hall, Glen Cove, L. I., on Tuesday and Wednesday, October 29-30. The two main floors of the large hall were filled with large exhibits of chrysanthemums, roses, carnations, vegetables and outdoor flowers and fruits. Chas. Totty, Madison, N. J., had on exhibit a vase of his new rose Mrs. Geo. Sawyer. This exhibit received a certificate of merit. Scott Bros., Elmsford, N. Y., exhibited a vase of their new red car-



F. J. Keller.
Chairman Committee on Decorations.



Chas. H. Vick.
Chairman General Committee.



W. L. Keller.
Treasurer Florists' Association.



Felix Albert.
One of the Leading Decorators.



H. B. Stringer.
Secretary Florists' Association.



Edwin P. Wilson.
One of the Leading Decorators.

OFFICIALS OF THE ROCHESTER FLORISTS' ASSOCIATION'S ANNUAL SHOW.

nation Wm. Eccles, which also received a certificate of merit. A vase of pink carnations shown by J. D. Cockcroft, Northport, L. I., was awarded a certificate of merit. The Julius Roehrs Co., Rutherford, N. J., made a pretty exhibit of orchids which were greatly admired. The chrysanthemums of course were the chief attraction and the following varieties were best in their respective colors: White, Wm. Turner and Naamah; yellow, Chiltoni and Mary Donnellon; pink, Lady Hope-ton and L. Rousseau; crimson, Wood-mason and Pockett's Crimson. Wood-mason carried the honor for largest blooms in the show. The attendance was large on both days and the management is to be congratulated on the well arranged and successful exhibition. The special prize awards were as follows:

The Mrs. F. S. Smithers silver cup for collection of hardy chrysanthemums, 50 varieties—Mrs. H. L. Pratt,

Glen Cove, (H. Gant, gardener), first; Mrs. H. W. Bucknell (G. Barton, gardener), second.

The Mrs. H. L. Pratt silver cup for table decoration—H. Ladeu, Glen Cove, (J. Adler, gardener) first; Mrs. H. L. Pratt, second.

The Stump & Waller Co. silver cup for collection of vegetables, 12 kinds—A. G. Hodenpyl, Locust Valley, L. I., (F. Patrocini, gardener) first; Percy Chubb, Glen Cove, (A. Mackenzie, gardener) second.

The Mrs. J. H. Ottley silver cup for 18 Killarney roses—Mrs. B. Stern, Roslyn, L. I., (W. D. Robertson, gardener) first; Colgate Hoyt, Oyster Bay, (J. Robinson, gardener) second.

The Mrs. J. R. Maxwell special prize for collection of outdoor flowers, 25 varieties—Mrs. B. Stern, first; W. E. Kimball, Glen Cove, (J. McCarthy, gardener) second.

The Mrs. J. R. Maxwell special prize for 6 kinds of vegetables—A. G. Hodenpyl, first; W. V. Hester, (H. Boettcher, gardener) second.

The Chas. Totty special prize for group chrysanthemums, 50 square feet—Percy Chubb, first; Mrs. H. L. Pratt, second.

The Hitchings & Co. special prize for group of ornamental and flowering plants arranged for effect—J. R. DeLamar, Glen Cove, first; Percy Chubb, second.

The H. E. Smith special for vase of 8 chrysanthemums, one variety—J. H. Ottley, Glen Cove, (J. MacDonald, gardener) first; W. D. Guthrie, Locust Valley, L. I., (H. Cliff, gardener) second.

The A. T. Boddington special prize for collection of salads—A. G. Hodenpyl, first; F. S. Smithers, Glen Cove, (V. Cleres, gardener), second.

The A. T. Boddington special prize for 3 heads of cauliflower—Mrs. F. S.

Smithers, first; A. G. Hodenpyl, second.

The Cottage Gardens Co. special prize for vase of 12 carnations not disseminated—Mrs. F. S. Smithers, first with Red Spring.

The Cottage Gardens Co. special prize for 25 carnations, any one color—E. M. Townsend, Oyster Bay, (J. Guthrie, gardener) first.

The Cottage Gardens Co. special prize for 50 carnations mixed—H. Gould, Port Washington, first; W. D. Guthrie, second.

The Burnett Bros. special prize for 12 kinds of vegetables—A. G. Hodenpyl, first; Mrs. H. L. Pratt, second.

The Elmer D. Smith special prize for 6 blooms Artistic Queen—H. Ladeu, first.

The Peter Henderson & Co. special prize for 12 chrysanthemums arranged for effect—J. H. Ottley, first; Paul Dana (J. Johnston, gardener), second.

The M. Stapleton special prize for specimen bush chrysanthemum—J. R. DeLamar, first; Paul Dana, second.

The Bon Arbor Chemical Co. special prize for 12 chrysanthemums, 12 varieties, long stems—Mrs. H. L. Pratt, first; W. D. Guthrie, second.

The Titus & Bowne special prize for 12 chrysanthemums, 12-inch stems, 12 varieties—Percy Chubb, first; W. D. Guthrie, second.

The Isaac G. Cocks special prize for 3 ferns, distinct varieties—T. Leeming (E. A. Reidenbach, gardener), first.

The Mrs. H. W. Bucknell special prize for 6 chrysanthemums, 6 varieties, long stems—Percy Chubb, first; Mrs. H. L. Pratt, second.

The R. Moserole special prize for 12 American Beauty roses—W. D. Guthrie, first; Mrs. F. S. Smithers, second.

The Weeber & Don special prize for 6 chrysanthemums, 6-inch pots—Percy Chubb, first; J. L. Pratt, second.

The Mrs. D. Burns special prize for 4 varieties chrysanthemums, 3 of each—W. D. Guthrie, first; Mrs. B. Stern, second.

The Vaughan Seed Store special prize for 12 varieties single chrysanthemums—J. T. Pratt (J. Everett, gardener), first; Percy Chubb, second.

The Julius Roehrs Co. special prize for 4 pots of orchids in bloom—J. R. DeLamar, first.

The A. G. Hodenpyl special prize for 8 kinds of vegetables—H. C. Smith, first; J. T. Pratt, second.

The Butler Grocery Co. special prize for collection of fruits—James Holloway, Glen Cove, first.

The E. M. Underhill special prize for 6 chrysanthemums, 6 varieties—Percy Chubb, first; J. H. Ottley, second.

The Wm. E. Marshall and Co. special prize for 18 varieties hardy chrysanthemums—John Pratt, first; Mrs. B. Stern, second.

The Rev. J. W. Gammock special prize for 6 plants Begonia Gloire de Lorraine—Percy Chubb, first.

The Kohler Bros. special prize for specimen palm—Mrs. F. S. Smithers, first.

The H. L. Shotwell special prize for 12 tea roses—Mrs. B. Stern, first; Colgate Hoyt, second.

The H. Shultz special prize for 12 tea roses mixed—Mrs. B. Stern, first; H. MacDonald, second.

The Universal Engineering Co. special prize for 6 varieties outdoor grapes—James Holloway, first.

The Pino-Lyptol special prize for 6 varieties of apples—W. V. Hester, first; J. R. DeLamar, second.

The F. B. Edmonds special prize for specimen plant Begonia Gloire de Lorraine—P. Chubb, first; J. R. DeLamar, second.

The Glen Cove Echo special prize for specimen fern—Colgate Hoyt, first.

The James Holloway special prize for 3 apples, 3 pears, 3 bunches outdoor grapes—W. V. Hester, first.

The Miss H. Peck special prize for the largest bloom in the show—Percy Chubb. JAMES MACDONALD, Sec'y.

The St. Paul Show.

Final arrangements are being completed by the committees in charge and everything promises to be in shape for the opening of the show, Friday morning, November 8. A. S. Swanson, the superintendent, will be on the ground from Tuesday morning until the close of the show. His assistants will be on hand Thursday morning, as will also the secretary and his assistant, so that everything will be well



O. R. Eckhardt.

Member of Executive Committee of the St. Paul Flower Show.

taken care of. The exhibitors will receive proper attention the moment their exhibits arrive.

The decoration committee will begin work Tuesday night, as soon as the election returns are over, which will probably be about 2 a. m., and work will be pushed day and night until completed. One of the largest show windows in one of the best retail stores on the best corner in town is this week displaying the silver trophies of which there are now eleven on hand. Six more are promised.

The ladies of the society are busy with arrangements for colonial night and the flower committee with arrangements for selling flowers at the booth. The committees have been at work selling tickets and so far have disposed of something over \$200 worth. O. R. Eckhardt seems to be the champion ticket seller, as he has sold a large number, beginning the day they

were first issued and keeping up the good work every day.

Entries are beginning to come in from outside exhibitors and all signs point to crowding the capacity of the hall to the utmost. The photographic contest under the direction of Mrs. Ruff will be very interesting. A large number of entries have already been made, with some arriving every hour. A great many are looking forward with interest to the lectures by President Farquhar of the S. A. F.

At the last meeting a committee was appointed to arrange for a banquet in honor of the outside florists who will visit the show, the banquet to be held on Monday evening, November 11. Already applications for tickets for the banquet have been received. The committee has not yet announced where it will be held, but a good attendance is assured.

Dr. Schiffmann, the one-time orchid king of this city, who removed to Pasadena, Calif., several years ago, has been requested to send an orchid exhibit and it is hoped that it will arrive in time for the show. The secretary has sent out 200 special invitations to prominent florists in the west and northwest, also a few of the more prominent in the east, asking them to attend. It is hoped that a large number will accept.

S. D. DYSINGER, Sec'y.

Connecticut Horticultural Society.

At the meeting of October 25, R. J. Foley, of Melrose, and F. A. Roblins, Jr., of Hartford, were elected members, bringing the roster up to 208, its highest point. A handsome exhibition of chrysanthemums was made, J. Alfred Weber showing immense blooms of William Turner, white, and Mrs. C. H. Kelly, red. Alfred Cebelius showed well-trained bush plants containing many hundreds of blossoms. T. B. Brown of Windsor staged two seedlings which he had grown. George B. Baker, William H. MacKenzie and John Gerard, acted as judges. They made awards as follows: Honorable mention to T. B. Brown for seedlings; a first-class certificate to J. A. Weber for cut blooms, and a cultural certificate for mushrooms; a cultural certificate to Alfred Cebelius for bush plants. The secretary by request read a magazine article by Dr. Edward F. Bigelow, entitled "The Perfections and Imperfections of Nature." John Gerard, in the general discussions, advocated the idea of our national government granting letters patent to the originators of new species of flowers, vegetables, and fruits—a practice that obtains in all countries as regards mechanical inventions. This question will probably be brought up again at some future meeting. Our next meeting, on the evening of November 8, will be chrysanthemum night and a fine exhibit of this favorite flower is expected.

GEORGE W. SMITH, Sec'y.

Kansas City.

The month of October was very satisfactory to the trade, both in weather and business. Stock was plentiful and the demand about right.

NOTES.

Several retailers were treated to an auto ride and visited the extensive plant of W. H. Sawvil, whose genial smile brightened the atmosphere surrounding his specialty of 35,000 carnations. Mr. Sawvil, although a novice in floriculture, has made a success of specializing. Last season his stock was planted in solid beds with splendid re-



FLORISTS AT ELMER D. SMITH & CO.'S ESTABLISHMENT, ADRIAN, MICH., OCTOBER 29, 1912.

sults. He has used the raised benches this year and the outlook is even more promising. The problem of color has been nicely handled about as follows: red, 1-6; white, 2-6; pink, 2 shades, 3-6. Beacon and the three varieties of Enchantress are grown.

The trade regret to learn of the accident befalling E. H. Frandsen which has kept him in the hospital for two weeks. He is however gaining rapidly and will probably be out in the next fortnight. Miss Frandsen is keeping watchful eyes on the fine stock during her brother's absence.

The new iron frame houses built by Mrs. A. R. Myers are up-to-date in every respect. Basements are built beneath the entire houses which have reinforced concrete floors and benches. The basements contain the boilers, work rooms and space for storage.

— Stevens, who for two years was grower for Mr. Sawvil, has started in business for himself and has completed two large houses for carnations and chrysanthemums.

The new modern range of 150,000 square feet of glass owned by W. A. Rule has been leased by E. O. Pratt, a vegetable specialist.

— Frith is once more hustling about the plant, after his long illness. His Killarney stock equals any on the market.

Mrs. J. H. Boyd of Spring Branch Road has built a house 16x100 and opened a store at Independence.

Clarence Chandler has returned from California and is pushing the planting of nursery stock.

James Payne is looking for a new location to build greenhouses.

Mrs. E. D. Ellsworth is out again after a week's illness.

E. A. Humfeld says business is very satisfactory. K. C. M.

Washington.

S. S. Pennock, Chas. Meehan and E. Fancourt of Philadelphia, Pa., were in town this week to see that their new store was properly launched. It is one of the finest wholesale houses in the country. The size of the building is one hundred by twenty feet. The office is on the balcony in the rear. All the wood work is finished in dull steel gray and the walls are painted buff to correspond. The refrigerator on the

main floor is twenty by ten feet, built by Livezey Refrigerator Co. of Philadelphia, Pa. The basement has an eleven-foot ceiling and extends under a wide pavement to the curb line. It is equipped with a hand lift with a capacity of three tons. There are cold storage rooms in the cellar about twenty feet square for green goods. There is also a storage box in the basement. This to be cooled by natural air to be used entirely for carnations and such flowers as do not require ice. This latter item is one that should be of interest to florists everywhere. The place is heated by steam and the boiler room and coal bin are enclosed with fireproof hollow tile walls. Boiler and all steam pipes are covered with asbestos to prevent heat in the basement. The place is electrically lighted throughout and icebox doors contain automatic devices by which boxes are lighted when doors are open and the lights turned off when closed. The formal opening will be held Thursday evening November 21.

The bowling team of the Baltimore Florists and Gardeners' Club paid a visit to this city October 29 to see the chrysanthemum show held at the Agriculture Department and to play the local team. The Washington team succeeded in taking three games. The scores:

Boors	156	176	190	Cooke	157	164	143
Mors	170	144	128	Shaffer	140	188	179
Perry	134	150	151	Ernest	160	157	172
Baur	125	146	139	Eiher	194	189	169
Klutze	128	139	172	McLennan	184	177	180

Visitors: W. Craig, S. Bayersdorfer, R. Shock, all of Philadelphia, Pa.; M. Stewart of Boston, Mass.

G. C. D.

PRINCETON, ILL.—W. E. Trimble of the W. E. Trimble Greenhouse Co. was one of the ten members of the Princeton Game and Fish Club who broke the state record for the number of ducks killed from one blind during a single day's shoot by killing 146 mallards November 4, 1912, at Goose pond. Others in the party were C. L. Trimble, Judge J. A. Davis, Howard Bailey, Joe Duplain, Joe Milner, Bert Gibbs, Chas. Althoff and John Dalstrom and guest.

OBITUARY.

Chas. Schoenle.

Charles Schoenle of St. Louis died suddenly October 28. He was one of the best known florists in the city. He began his start in the business with Luther Armstrong and afterwards entered the employ of the Ayres Floral Co., which was then located on Easton avenue. Mr. Schoenle was a member of the St. Louis Florists' Club and the Florists' Retail Association. The funeral took place October 30 and was very largely attended. The following florists were among the pallbearers: George H. Angermueller, Wm. C. Smith, Andrew Meyer, Jr., Martin Moran, C. A. Kuehn. The Florists' Club and the Retail Association both sent special floral pieces which were very beautiful. The M. M. Ayers Floral Co. had the family order and the work was very beautiful. The Florists' Club attended the funeral in a body.

Gottfried Gross.

Gottfried Gross, for a third of a century a florist at Quincy, Ill., died October 26, at the age of 69. Mr. Gross had been in poor health for a year or two and submitted to an operation a short time before his death. He came to America from Switzerland when but twenty years old, and located in New Jersey. From there he went to Ft. Wayne, Ind., where he married Miss Catherine Cook. Later Mr. Gross moved to Quincy and remained there until his death. He was at one time a successful orchardist but for several years had devoted his time solely to his greenhouses. He is survived by his wife and seven children.

Robert Turton.

Robert Turton, a St. Louis, Mo., florist, fell dead on the street in his home city, October 25. Heart failure was the cause of his death. Mr. Turton had never been seriously ill and was active up to the time of his demise. He was a veteran of the Civil war and a member of the G. A. R., which organization had charge of the services at the funeral. The deceased is survived by a widow, five children and three grandchildren.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,

440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	893
—Heaths	893
—Genistas	893
—Acalyphas	893
—Begonia rex	894
—Stevia	894
The retail trade (illus.)	894
—Favor suggestions	894
—New York Florists' Club (illus.)	894
The exhibitions	895
—Lenox flower show	895
—Pasadena Horticultural Society (illus.)	896
—Horticultural Society of New York (illus.)	897
—Rochester Florists' Association (portraits)	898
—Nassau County Horticultural Society	898
—Officials of the Rochester Florists' Association's annual show (portraits)	899
—The St. Paul show (portraits)	900
—Connecticut Horticultural Society	900
Kansas City	900
Florists at Elmer D. Smith & Co.'s establishment (illus.)	901
Washington	901
Obituary	901
—Charles Schoenle	901
—Gottfried Gross	901
—Robert Turton	901
Parcels post requirements	902
Winter-flowering sweet peas	902
Coming exhibitions	902
Cincinnati	904
Chicago	906
St. Louis	910
Columbus, O.	910
Philadelphia notes	911
Boston	911
Cleveland	912
Philadelphia	914
New York	916
Rochester, N. Y.	922
Buffalo	922
The seed trade	924
—McCullough not seriously injured	924
—Idaho peas	924
—Catalogues received	924
Market gardeners	928
—Prices of indoor fruits and vegetables	928
—Growing lettuce	928
The nursery trade	930
—Death of Joshua I. Maxwell	930
—Christmas tree embargo	930

Parcels Post Requirements.

Postmaster Morgan of New York invites the special attention of the public to the following features of the proposed domestic parcels post regulations which go into effect on January 1 next:

That distinctive parcels post stamps must be used on all fourth class matter beginning January 1, 1913, and that such matter bearing ordinary postage stamps will be treated as "held for postage."

That parcels will be mailable only at post offices, branch post offices, lettered and local named stations and such numbered stations as may be designated by the postmaster.

That all parcels must bear the return card of the sender; otherwise they will not be accepted for mailing.

It is of the utmost importance that these requirements be observed in mailing parcels post packages in order that such packages may be promptly handled and despatched, as failure to so comply will result in inconvenience and annoyance to the public.

Winter-Flowering Sweet Peas.

We have received from Cornell University a bulletin entitled "Winter-flowering Sweet Peas," which is the second of a series by Prof. Alvin C. Beal, giving the results of tests and investigations carried on at the college of agriculture experiment station. After briefly referring to the importance of this type to the florist the bulletin takes up the history of this flower's evolution, followed by some pertinent comments on its culture and a description of the different varieties.

"Next in order to the waved section the most important type of sweet peas yet developed from the older garden forms is the winter-flowering class, which has reached its greatest perfection in the United States," according to Prof. Beal.

"The winter-flowering type is absolutely distinct in its habit of growth and its early flowering character. Unlike the garden types, which apparently stand still for a time when only a few inches high while side shoots are developed, the winter-flowering peas grow rapidly until they attain a height of two to four feet; then they begin to flower freely, after which time side shoots are developed."

The bulletin points out that this type makes its greatest growth under glass and does not compare, in point of growth, with the garden type, when planted out of doors, although flowering profusely. The flowers are, as a rule, of the open form of Blanche Ferry though some varieties are hooded and a waved-flower group is now being perfected by Anton C. Zvolanek, Boundbrook, N. J. At the Cornell agricultural experiment station the open-flowered type is regarded as the best for mid-winter and therefore for commercial purposes. "The perfection of this type," says the bulletin, "will be along the line of increased size and number of flowers on a stem."

"Fifteen years ago," to quote Prof. Beal again, "sweet peas were usually fairly plentiful in the markets of the large cities about April 1, and sometimes flowers were seen as early as the last week in February. Among the varieties grown were Blanche Ferry, Lottie Eckford, Emily Henderson and Katherine Tracy. The seeds were usually sown in August or September in pots and benched after chrysanthemums, or seeds were planted in carnation benches and the plants trained on the purlin supports of the greenhouse."

The first record of sweet peas being grown under glass in any other than a very limited way is in 1897, when, Mr. Zvolanek states, he grew three houses of them, thus becoming undoubtedly the largest grower in the country at that time."

Concerning the origin of Blanche Ferry, the bulletin quotes from an article by Will W. Tracy, published in THE AMERICAN FLORIST, Vol. 13, April 2, 1898, as follows:

"Some forty years ago a woman in northern New York noticed and saved seed from a particularly bright-flowered plant of the Painted Lady. She planted them in her garden, and each succeeding year saved and planted seeds from what she thought were her best plants. She did not raise many, some years not more than a dozen plants and never more than could be raised in three square beds.

She was the wife of a quarryman and her garden was always over limestone ledges where the soil, though fertile, was often not over a foot in depth, and gradually her plants became more compact and sturdy, until after some ten or twelve years she ceased to bush them, simply letting them support themselves. After she had raised them in this way for some twenty-five years, a seedsman noticed their beauty, obtained about one hundred seeds, and from them has come the Blanche Ferry."

High, light houses are required for the growing of the winter varieties. The plants grow to a height of from six to ten feet and naturally require headroom. Since a deep, moist soil is called for, solid beds are preferable to benches. The soil should be prepared two or three feet deep to give the roots an opportunity to reach into the earth. Good drainage is essential and the beds should be at least a foot above the walks. More care is required where benches are used instead of beds but where space is limited sweet peas may be grown in benches to succeed chrysanthemums. The early chrysanthemums should be cleared away by October 20 if the sweet peas are to be ready for the Christmas market. Seed from outdoor fall-sown plants is to be preferred and should be sown about August 20 for Christmas. Pots instead of beds or benches are sometimes used. "A day or two before the planting," according to the bulletin, "the beds should be thoroughly saturated with water; William Sim, the most extensive grower, advises a strong dose of liquid manure instead. As soon as the top has dried off so as to be in a good friable condition, plant the seed."

Proper supports are essential to the successful growth of the peas and should be provided as soon as the plants are up. Wire netting, string or wire and string may be used. The experiment station prefers the wire netting, although commercial growers object to it on the ground of greater numbers of crooked stems than with the other methods.

An attempt to approximate natural outdoor spring conditions is desired, and for this reason the temperature should be kept as low as possible at first. The colder the plants are kept while growing, the healthier they will be. The temperature should be raised a degree each night until 50 is reached as soon as the buds can be felt. Red spider, green fly, climbing cut worms and snails are all enemies to be guarded against and the damping-off fungus and mildew are also a menace.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list and to correct any dates that may have been altered since the last advices.)

November 7-9, 1912, New Rochelle, N. Y.—Second annual exhibition, Westchester and Fairfield Horticultural Society. Germania hall. Anthon S. Peterson, manager, New Rochelle, N. Y.

November 7-10, 1912, Boston, Mass.—Chrysanthemum show, Massachusetts Horticultural Society, Horticultural hall. Wm. P. Rich, secretary, 300 Massachusetts avenue, Boston.

November 8-12, 1912, St. Paul, Minn.—Flower show, Minnesota State Florists' Association, Auditorium. S. D. Dysinger, secretary, 20 West Fifth street, St. Paul.

November 14-16, 1912, Cleveland, O.—First exhibition, Ohio Horticultural Society, Gray's Armory. John N. Stockwell, secretary, 213 City hall, Cleveland.

November 18-23, 1912, Baltimore, Md.—Annual exhibition, Maryland State Horticultural Society, Fifth Regiment Armory. T. B. Symonds, secretary, College Park, Md.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—By first-class decorator and store man. Past five years with Small & Sons at the Waldorf. Address G. R. LAWRENCE, 217 W. 68th St., New York.

Situation Wanted—Scotchman wants position as gardener or manager on private or public place. Life experience in all branches of Horticulture, Agriculture, Landscape work, Road and Lawn making, greenhouse and orchard shrubs, etc. Address, Key 700, care American Florist.

Situation Wanted—By man with 19 years practical all around experience in Scandinavia, Germany, England and U. S. Cut flowers—bedding and forcing—all kinds a specialty. Has been several years in charge of large public place. Interest later also considered. Address, Key 703, American Florist.

Situation Wanted—Superintendent or Gardener, English, married, seeks position on private estate or laying out a new one; North and Southern experience; thoroughly versed on fruits, plants, vegetables under glass and outdoors, lawns, roads, trees, shrubs, care of stock. Excellent references. Please state wages. F. JENKINS, 547 11th Ave., Astoria, Long Island, N. Y.

Help Wanted—Store man with business ability; must have some money to invest in a store proposition. Address, VERN L. SCHLURAFF, Erie, Pa.

Help Wanted—Seedsmen with experience to canvas market garden trade. Give reference and salary expected, with first letter. THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Assistant florist, with experience in growing choice pot plants; English or Scottish preferred. Wages \$14.00 per week. Mail copies of references in first letter. Address 3132 McHenry Ave., Westwood, Cincinnati, O.

Help Wanted—Party thoroughly up in Hardy Perennials as to propagation, etc. Give full particulars as to experience, age, salary expected, etc., in first letter. A good steady position for the right man. Address, Key 722, care American Florist.

Help Wanted—Competent grower of cut flowers and pot plants to take charge of 30,000 feet of glass in Missouri. Must be sober; married German preferred. Steady position; state wages expected, reference in first letter. Address, Key 715, care American Florist.

For Sale—Retail store in city of 16,000. Bargain. For full particulars address, Key 725, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Seven section steam or hot water boiler; used two winters to heat a building; perfect condition. THE F. A. SHERMAN CO., Albany, N. Y.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

Wanted—To rent or buy a small greenhouse or nursery property in or near Cleveland, Ohio. State particulars. Key 711, care American Florist.

Help Wanted. Experienced Saleslady and Designer

To work in Chicago retail store.

Key 715, care American Florist.

SITUATION WANTED.

High Class Storeman and Designer is open to engagement. Age 35, married. Address,

Key 713, care American Florist.

Wanted—A florist in an eastern city, owing to other business, wishes to corporate; has a well-established business; good investment for the right party. Key 646, care American Florist.

For Sale.

3 60x16 Tubular Boilers,
\$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,
Key 726, care American Florist.

STOREMAN.

First-class Salesman and Designer Wanted Immediately. Apply in person or address, **J. H. McNEILLY,** 1153 E. 63rd Street, CHICAGO, ILL.

SITUATION WANTED.

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

WANTED.

Experienced Florist and Decorator to take charge of an established business. Permanent position at good salary for properly qualified person. Applications must state references.

L. R. P., P. O. Box 346, Richmond, Va.

Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

WANTED.

Salesman of ability and reliability—young or middle aged man of experience in vegetable seeds, to cover wide range of territory for old established wholesale seed concern. State experience, references, and salary with first letter. Address, **Key 727, care American Florist.**

FLORAL ARTIST.

P. McKenna & Son have an opening for a capable designer and decorator. He must have had experience in a first-class place. Apply by mail, stating experience and starting salary expected to

JAMES MCKENNA, Prop.,
770 St. Catherine St.,
Montreal, Que., Canada.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, 'mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address
Key 718 care American Florist.

FOR SALE.

Greenhouse, Barn and Dwelling House in Auburn, N. Y., on street car line. Lot 200 feet front by 400 feet deep. Greenhouse full of stock. Also horse, wagons, tools and implements. Cost \$16,000. Will sell for \$8,000, half cash.

M. V. AUSTIN, Jr.,

Trustee in Bankruptcy.

79 Genesee St., AUBURN, N. Y.

For Sale or Rent

Five Large Greenhouses in Chicago.

Big bargain if taken at once.

Good reason for selling. Address

Key 724, care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of **JOHN F. HAHN,** 1572 Sherman Avenue, Evanston, Ill.

Floral Plant For Sale.

To close up the estate of Iwend Krohn, deceased, the floral business conducted by him at Morris, Illinois, sixty miles from Chicago, will be sold at a bargain.

The business has been long established as a wholesale and retail plant. It contains six acres of ground with three new greenhouses, 125 feet by 28 feet, and twelve smaller houses. It is stocked with 5000 fine Pink and White Killarney roses, 800 Richmond, 3500 carnations, 7000 mums, 5 benches of Sprenger, a lot of calla lilies and bedding plants. On the premises are one twelve-room house with all modern conveniences, and one five-room cottage in good condition, big packing shed, cellar and barn, 2 artisan wells wind mill and steam pump; three boilers; about 600 fruit trees and all kinds of small fruit.

Only the death of the proprietor places this plant on the market.

Title to property will be shown good, and easy terms of payment given.

For further information address

MRS. ANNA KROHN,
MORRIS, ILLINOIS.

Notice of Examinations

CIVIL SERVICE BOARD,
West Chicago Park Commissioners.

The Civil Service Board of the West Chicago Park Commissioners will hold the following examinations on the dates and at the places given in each case, for the purpose of creating eligible lists for vacancies which may arise in said positions within the next two years. Application blanks may be obtained at the office of the Board in Union Park or at the West Park playgrounds.

EXAMINATION No. 64.

FLORIST, Class G, Grade II. Pay \$2.25 per day to \$75.00 per month. Original entrance. To be held November 20th, 1912, at 8:00 a.m., at Garfield Park Pavilion.

Subjects: Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

Special Subject: An oral and a practical test in greenhouse work, and written questions on the care and propagation of plants, and greenhouse operations.

The duties of Florist are general work in the conservatory and propagating houses and in the outdoor gardens throughout the system.

Applications must be filed in the office of the Board in Union Park before 5:00 p. m. of November 19th, 1912.

EXAMINATION No. 65.

GARDENER, Class G, Grade II. Pay \$2.25 to \$3.00 per day. Original entrance. To be held November 20th, 1912, at 8:00 a. m., at Garfield Park Pavilion. Open only to men between the ages of 21 and 50 years.

Subjects: Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

Special Subject: An oral and a practical test in care and planting of trees, shrubs and plants.

The duties of Gardener consist of planting, pruning and outside gardening work.

Applications must be filed in the office of the Board in Union Park before 5:00 p. m. of November 19th, 1912.

FRED G. HEUCLING,
Superintendent of Employment.
Chicago, Ill., October 17, 1912.

Urbana-Champaign, Ill.

BUSINESS CONTINUES GOOD.

Business continues to be good in both towns. Carnations are becoming plentiful and are of good quality for this time of the year. Roses are rather scarce and are bringing fair prices, although the stems are short. Some very fine Pacific Supreme and Virginia Poehlmann chrysanthemums were seen on the market the early part of the week.

NOTES.

The new building being erected for the Champaign Seed Co. will be ready for occupancy about the middle of November. The building is a two-story brick structure, 22x100 feet, located at Clark and Neil Streets, and will be used entirely for the growing business of this young concern. The first floor will be given up to the retail business, while the wholesale business and the packing of seeds will be taken care of on the second floor. Last year this company began doing business on a modest scale, and a short time ago they incorporated for \$10,000 with George B. Ransom, Mary B. Ransom and Bert C. Hennes as incorporators.

The grading and excavating for the new greenhouses for the Department of Horticulture has been completed. Work on the houses for the division of plant breeding and olericulture is well under way. It is hoped that they will be completed before severe weather sets in. At the experimental greenhouses roses and carnations are again being grown. The rose work is a duplication of last year's work, while a number of changes have been made in the carnation experiments. One half of one of the houses is devoted to stem-rot investigations.

W. N. Rudd, J. F. Ammann, F. L. Washburn and Chas. Loveridge, who attended a meeting of the floricultural advisory committee, were visitors at the experiment station greenhouses Friday and Saturday.

R. R. Root, a graduate of Cornell and Harvard, has taken up his duties as instructor in landscape gardening. Mr. Root spent the summer in Europe studying European Landscape architecture.

The next annual meeting of the Illinois State Horticultural Society will be held here December 10-13 A. H. N.

Cincinnati.

DEMAND IS FAIR.

The demand is fairly good but not all it might be. There is easily sufficient stock for present needs. Shipping business is good. The chrysanthemum season is at its height and this flower is enjoying the best call of them all. Practically all the good offerings since the glut have been selling. They have not, however, been bringing quite the same price they brought in other years. Roses sell nicely but they do not clean up as regularly as they should when the quality of the offering is considered. The carnation cut has decreased in size, but there are easily enough, in spite of that to go around. Other offerings are Gigantium lilies, valley, orchids and sweet peas. Business in green goods is excellent.

NOTES.

C. E. Critchell is finding a better call for lily of the valley and orchids than he has ever had at any other corresponding season of the year. He is also finding a good call for prepared oak sprays.

Peter Weiland is turning out some very good chrysanthemums on his first trial of this flower since he built his new place a year and a half ago.

G. Brunner & Sons have another large decoration this week. One item

BOXWOOD

Of all our recent importation we have sold out of all except these sizes.

Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.			Globe Shaped.			
	Each	Pair		Each	Pair	
2½ ft. high	\$2 00	\$3 75	15 in. high, 15 in. in diameter.	\$2 25	\$4 00	
3 ft. high	2 50	4 50	18 in. high, 18 in. in diameter.	2 75	5 00	
3½ ft. high	3 50	6 00				
4 ft. high	4 50	8 00				
Standard or Tree Shaped.			Bush Shaped.			
	Each	Pair		Each	Doz.	100
18-26-in. stem, 18-in. crown	\$3 00	\$5 00	12 in.	\$0 35	\$3 60	\$25 00
Bay Trees. Standards with crowns 20, 22, 24, 26, 46 in. ches in diameter. Pyramids 6 and 7 feet						

Bay Trees. Standards with crowns 20, 22, 24, 26, 46 in. ches in diameter. Pyramids 6 and 7 feet

ASK FOR PRICES.

CHICAGO
31-33 W. Randolph St. Vaughan's Seed Store,
Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK
25 Barclay St

alone is over 500 of the choicest Killarneys.

Visitors: Fred Rupp, Lawrenceburg, Ind.; V. H. Thomas, Augusta, Ky.; Miss C. Howell, Springfield, O.

W. E. Gravett, of Lancaster, is shipping some very fine chrysanthemums to this market.

Lancaster Florists' Club.

A meeting was held Oct. 24 in an endeavor to get at the cost of our productions, which brought out a lively discussion but not much in the way of practical results. Henry Rohrer gave a very interesting account of a trip through the west and his visits to various florists, among the Breitmeyers at Mt. Clemens, Mich., Van Bochove Bros. at Kalamazoo, Mich., the E. G. Hill Co., Richmond, Ind., and others. The Board of Trade rooms were engaged as a meeting place for a year and if any visiting florist is within reach the third Thursday of any month of the year he is welcome to our meetings. Henry Rohrer exhibited some very fine chrysanthemums, as did Rudolph Nagle and a fine exhibit of chrysanthemums and carnations was made by — Spinner, gardener for the Locher Estate.

ALBERT M. HERR.

Pittsburg.

STOCK STILL SCARCE.

Stock of all kinds is still scarce, and with a good demand for everything it keeps the wholesaler hustling to fill all his orders. A great many chrysanthemum growers either reduced the number of plants or discontinued them altogether, because they state that in former years there were so many grown there was no money in it. Carnations are very scarce owing to the dark cloudy weather we have been having.

NOTES.

George McCallum is again confined to his bed on account of injuries received in his recent accident, and the doctor states it will be sometime before he can leave his home.

The McCallum Co. is making a specialty of magnolia leaves and state that they have handled more of them this fall than any three former seasons together.

Murry C. King of Washington, who recently purchased the business of James Blankensop, was a visitor. He says business is fine.

The A. W. Smith Co. is making effective use of large quantities of chrysanthemums to decorate their immense show windows.

Harry Graves of the Zieger Co., says if business keeps up this year like it started, he will be perfectly satisfied.

Emmett Nester of the R. J. Dasebach Co. has the sympathy of his

—10,000—

Primula
Malacoides

MUST BE SOLD

Good stock. 2½-in. pots,

\$2.50 per 100;
\$20.00 per 1000.

BIG BARGAIN.

Act quick.

Cash with order.

F. F. SCHEEL,
Schermerville, Ill.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

friends in the death of his father recently.

The Pittsburgh Cut Flower Co. is cutting some fine pompon chrysanthemums which find ready sale.

The chrysanthemum show at Schenley Park still continues to draw thousands of visitors.

J. W. Glenn of Kittanning and I. S. Crull of Monongahela were recent callers.

Randolph & McClements are booking some big orders for this fall. M.

AUTUMN NUMBER

TO BE ISSUED

November 14,

JUST RIGHT FOR THE

Thanksgiving and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.

440 S. Dearborn St., CHICAGO.

 Please mail advertisements early.

Extra Fine Chrysanthemums

Beauties, Roses, Carnations, Lilies.

VERY SELECT FLOWERS. BOUND TO GIVE SATISFACTION.

PRICE LIST

Subject to change without notice.

Chrysanthemums, very Choice White, Yellow and Pink, **\$3.00** per dozen; medium, **\$2.00** to **\$2.50** per dozen.

Pompons, White, Yellow and Pink, 35c to 50c per bunch.

Fancy Single Varieties, all colors, \$5.00 to \$8.00 per 100.

Asst. Roses, our selection, \$20.00 per 1000.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$4 00
36-inch	3 00
24 to 30-inch	\$2 00 to 2 50
18-inch	1 50
12-inch	1 00

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 per 100
Extra long	6 00 to 8 00 per 100
Good length	5 00 per 100
Medium length.....	4 00 per 100
Short	3 00 per 100

CARNATIONS

Good.....	Per 100
	\$3 00

FINE EASTER LILIES.....per doz., \$1 50

Lily of the Valley	\$3 00 to 4 00
Smilax..... per doz., \$1 75 to \$2 00	
Asparagus Sprays.....	2 00 to 4 00
Sprengerl	2 00 to 3 00
Adiantum.....	1 00 to 1 50
Leucothoe Sprays.....	0 75
Galax—Bronze and Green.....per 1000, \$1 00	
New Ferns.....per 1000, 2 00	
Mexican Ivy.....per 1000, 6 00	75

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.

CHICAGO

Greenhouses, HINSDALE, ILL.

Phone, Central 1457.

Chicago.

TRADE NOT SATISFACTORY.

The unfavorable weather of the past week has affected business considerably with the result that trade in general has been far from satisfactory. The weather for the month of October, except for a short period, was fine, the percentage of sunshine running up to 74, ten per cent above the average and the highest since 1895. This weather has been fine for trade of all kinds. The cold wave shortened up the cut materially, but there is still plenty of stock to go around with the exception of American Beauty roses. Roses have been coming in in large quantities and the receipts have been larger than the demand. Killarney and White Killarney especially are in heavy crop with many of the growers and of superb quality. Richmond has improved in the last few days, both in quality and quantity. Some fine stock is now coming in, the buds being long and of good size, and the stems have also increased in length. Carnations are having a very brisk demand and are none too plentiful, a shortage at times being very much in evidence. Chrysanthemums are arriving in larger quantities and the tables in some of the stores are heavily laden with blooms. In some cases they were sold in large lots, especially the yellow varieties, to make room for the other shipments that were to follow. Major Bonnaffon, Dr. Enguehard and Christy Mathewson are now obtainable, besides many other seasonable varieties. Amorita and Christy Mathewson are of very good quality and command good prices. Pompons of all kinds are in great oversupply. Fairy Queen is having a good call and is used extensively by the downtown florists. Violets have im-

proved greatly with the advent of cooler weather and are having a good demand. Lily of the valley is in good supply and the quality is of the finest. Lilies and callas are to be had, but the demand is not heavy for either. Orchids are in good supply and some beautiful flowers and sprays of these exotics are to be had, but the prices are very likely to advance. Home-grown gardenias are still very scarce and very little eastern stock is arriving. Green goods are plentiful, smilax especially so, and winter berries and mistletoe are now being received. Thanksgiving orders are being placed and some Christmas orders are also being booked. The supply houses report a very busy season and some of them are predicting an advance in price on chiffons and ruscus.

NOTES.

A. Vanderpoel, proprietor of the Douglas Boulevard Floral Co., has bought a home and several lots at Fortieth and Colorado avenues and will soon build a new store on the property. He will move his conservatory to the new location and will conduct the business under his name as soon as he occupies the new store.

The North Shore Floral Co. has incorporated with a capital stock of \$2,000. The incorporators are: Bernard J. Schmierer, president; Ida L. Schert, treasurer and Carrie M. Schmierer secretary.

Fred Longren, one of Poehlmann Bros. Co.'s traveling men, returned from a northern trip on October 31 and started out again the following Monday.

E. B. Washburn and family have reached Pasadena, Calif., safely and are now moving into their new home.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

U S Budlong's E Blue Ribbon Valley.

Peter Weiler, of the Superior Machine & Boiler Works, is back from a visit at Lauderdale lakes, Wis.
The Star Floral Co., of Wilmette, is building another greenhouse.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CHRYSANTHEMUMS

A full crop now on. Can supply all the best varieties. Also

CATTLEYAS--VALLEY--VIOLETS

Am. Beauties--Carnations

Fancy Pompons in all Colors

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES	Per Doz.
Long.....	\$3.00
30-inch.....	2.50
24 inch.....	2.00
18 to 20-inch.....	1.50
Short stem.....	per 100, \$4.00 to 8.00
Specials charged for accordingly.	
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.....	Per 100
Long.....	\$10.00
Medium.....	8.00
Short.....	4.00 to 6.00
Specials charged for accordingly.	
MELODY, long.....	8.00 to 10.00
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.....	
Fancy long.....	10.00
Medium.....	8.00
Short.....	4.00 to 6.00
Extra special Roses, charge accordingly.	

LADY HILLINGDON.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
RICHMOND.....	
Fancy.....	8.00
Medium.....	6.00
Good short.....	4.00
KILLARNEY.....	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
WHITE KILLARNEY.....	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
CHRYSANTHEMUMS, White, Yellow and Pink.....	per doz., \$2.00, \$3.00 and \$4.00

CARNATIONS.....	Per 100
VIOLETS, Princess of Wales.....	\$2.00 to \$4.00
Double.....	.75c to 1.00
ORCHIDS, White Dendrobium, doz.....	75
CATTLEYAS.....	per doz., \$5.00
EASTER LILIES.....	per doz., 6.00
VALLEY.....	12.00
ADIANUM CROWEANUM.....	\$3.00 to 4.00
MEXICAN IVY.....	1.00
SMILAX.....	per 1000, \$5.00
SPRENGER, PLUMOSUS SPRAYS.....	16.00
PLUMOSUS STRINGS, extra long and heavy.....	3.00 to 4.00
each.....	.50 to .60
FERN.....	per 1,000, 2.00
GALAX.....	per 1,000, 1.25
LEUCOTHOE.....	per 100, .75

Pompons, fancy, all colors, 50c, per bunch.

Supply Department

Now is the time to prepare for the Holiday Season. Begin by buying your materials. The combination we have now for making Novelty Baskets and Christmas Wreaths can be used at the present time and stored away for future sales during the Holiday season.

Such articles as The (Made in Chicago) **Ruscus Oak Sprays** and **Magnolia Leaves** are making a hit throughout the country. Give us a trial order and be convinced that these articles are the best to be had.

Oak Leaves in Brown, Green and Red, thirty-five cents per pound. Write for prices in larger quantities.

A new line of plant baskets has just arrived. We ship these in assortments from Five Dollars to Twenty-Five Dollars; selected by one who knows the requirements of a retail store—the uses of these baskets for plants.



SPECIAL OFFER.

SEND US TEN CENTS IN STAMPS

and we will mail you a sample of our different colors Ruscus, Oak Leaves, etc. Neatly put up in Cartons, that will give you a good idea of the combination of colors that can be had.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
48-in. stems.....\$3 00	24-in. stems.....\$1 75
36-in. stems.....2 50	20-in. stems.....1 50
30-in. stems.....2 00	15-in. stems.....1 25
	Short stems.....1 00

Killarney.

Per 100
Extra special.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Richmond

Per 100
Extra specials.....\$7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

My Maryland

Per 100
Fancy.....\$7.00
Good.....6.00
Short.....4.00

White Killarney

Per 100
Extra specials.....7.00
Selects.....6.00
Fancy.....5.00
Medium.....4.00
Good.....3.00
Short stems.....2.00

Jardine, Fancy, 24-inch stems.....\$6.00

Good, 15.....4.00
Short.....3.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....\$3.00
Fancy.....2.50
Good.....1.50

Chrysanthemums

Per Dozen	Per Dozen
Extra select.....\$3.00	Fancy.....\$2.00
Select.....2.50	Good.....\$1.00 to 1.50

HARRISII.....10.00 to 12.50

FERNs, per 1000, \$1.50 to \$2.00. SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERI, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

A. L. Vaughan & Co. received a shipment of mistletoe and Michigan winter berries this week. This firm's chrysanthemums are of the first quality and are greatly admired by their customers. Governor Wilson, a new large yellow, is particularly fine and will no doubt prove to be a good commercial chrysanthemum.

Fred Lautenschlager has returned from Vincennes, Ind., with an order for Kroeschell Bros. Co. to furnish a central heating system for John G. Frisz's new range of 120,000 square feet of glass. Mr. Lautenschlager says the boiler business was the best ever this year with Kroeschell Bros. Co.

M. Winandy Co.'s new bench and heating system so far is giving satisfaction wherever it is installed. It is already in use in 7 different ranges in this vicinity and the manufacturers think that it will not be long before it will be in use nearly everywhere.

Carl Ickes says that the A. Dietsch Co. has had an extremely busy season and that orders for greenhouse material are still arriving. Mr. Ickes escorted Wm. Hild, of Fort Pierre, South Dakota, through the Peter Reinberg greenhouses last week.

J. F. Kidwell says that carnations had the call at the Chicago Flower Growers' Association's store this week. Chrysanthemums are seen here in good supply and are having a good sale.

Frank Williams is steadily improving in health and is permitted to leave the sanitarium to visit his home a few days each week. His friends hope that he will have a speedy recovery.

Allie Zech says that the Cook County Florists' Association dance will be held in the Bush Temple Hall,

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, SMILAX, FERNS and OTHER GREENS are furnished at short notice.

SEND US A TRIAL ORDER.

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

Chicago avenue and North Clark street, on Wednesday, December 4.

Tim Matchen says that Richmond roses are still arriving in large quantities at Peter Reinberg's store and that the demand for these roses the past week has been very good.

The Amorita chrysanthemums that the E. C. Amling Co. has been featuring for some time is not a new variety as some seem to believe. It was disseminated in 1903.

The Madison Floral Co. had a large funeral order from the employees of the Metcalfe Stationery Co. last week when death visited the home of one of their comrades.

Frank Johnson says that the A. L. Randall Co. is having a tremendous call for ruscus. W. W. Randall is back from an extended out of town trip.

The Des Plaines Floral Co. is shipping large quantities of Fairy Queen pompons of fine quality to several of the local wholesale houses this week.

Hoerber Bros. are showing some fine Christy Mathewson chrysanthemums this week in addition to a good supply of Robt. Halliday.

B. J. York, representing the A. M. York estate, Hancock, Mich., was in the city recently on business.

D. D. Johnson is calling on the trade in the east in the interests of the United Fertilizer Company.

At Kennicott Bros. Co.'s store chrysanthemums and violets are the principal offerings this week.

F. F. Scheel made a shipment of Paper White Narcissus to Kyle & Foerster on November 4.

Max Cohn has severed his connections with McNelly, the East Sixty-third street florist.

Frank Felke, of Wilmette, cut his first Major Bonaffon chrysanthemums last week.

H. Wittbold had a large decoration at the Examiner office this week.

Theodore Vogel has resigned his position with the Alpha Floral Co.

A Big Crop of RICHMOND

Exceptionally fine long-stemmed stock. Positively the best on the market. Also a good supply of **Killarney, White Killarney, My Maryland and Sunrise Roses, Carnations, Chrysanthemums and Greens.**

CURRENT PRICE LIST.

Per 100

AMERICAN BEAUTIES

Per doz.

Extra long stems.....	\$3 00
36 inch stems.....	2 50
30 inch stems.....	2 00
24 inch stems.....	1 50
20 inch stems.....	1 25
15 inch stems.....	1 00
12 inch stems.....	75
Short Beauties	50

Richmond

Per 100

Killarney	Short	4 00
White Killarney	Select	\$8 00
My Maryland.....	Medium	\$5 00 to 6 00

Mrs. Aaron Ward {	Select	\$8 00
	Medium	6 00
	Short	\$4 00 to 5 00
Sunrise.....	Select	\$6 00
	Medium	5 00
	Short	4 00
Roses, our selection.....		3 00
Carnations	2 00 to 3 00	
Chrysanthemums	per dozen 2 00 to 3 00	
Harrisii	per dozen 1 50 to 2 00	
Valley	3 00 to 4 00	
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1,000		2 00

Peter Reinberg

Long Distance Phone Central 2846.

30 East Randolph Street, - CHICAGO.

Poehlmann Bros. Co. is building up a good trade in supplies and report a good demand for ruscus. T. E. Waters is making a strong bid for the holiday business and is mailing samples of the different colors of ruscus, oak leaves, etc., neatly done up in cartons to everyone in the trade upon receipt of 10 cents in stamps.

Wietor Bros.' shipments now include a large assortment of fancy pompons and several of the leading varieties of chrysanthemums. The Killarney and White Killarney roses are arriving at this store in fine shape and the American Beauty roses as good as formerly.

The regular meeting of the Florists' Club will be held at the Union Restaurant, Thursday evening at eight o'clock. A paper on "The Retailing of Cut Flowers," by Irwin Bertermann, of Indianapolis, Ind., will be read and officers nominated for the ensuing year.

Fritz Bahr, of Highland Park, is shipping some fine Major Bonnaffon chrysanthemums to the E. F. Winter-son Co. The Mount Greenwood cemetery is also shipping a good supply of these flowers to the same firm.

The J. B. Deamud Co.'s leaders this week are a fine grade of Ameri-

can Beauty roses and chrysanthemums. Wilder S. Deamud, the proprietor's enterprising son, likes the wholesale business first rate and is constantly drumming up trade.

Bassett & Washburn are having quite a demand for their imported pompons and the proprietors state the stock is giving satisfaction. Major Bonnaffon and white and yellow Eaton chrysanthemums have made their appearance at this store.

Percy Jones is showing Major Bonnaffon chrysanthemums of fine quality in large quantities this week. H. Van Gelder says his firm is now carrying a complete line of everything in cut flowers, greens and supplies.

Phil Schupp says J. A. Budlong is cutting from a new crop of American Beauty roses and that the demand for these roses is so brisk that the stock is sold at a very early hour.

The Chicago Carnation Co.'s baseball nine cordially invites the trade to attend their grand ball to be given in the Adams hall at Joliet on November 14.

John Kruchten says that gardenias are as scarce as ever as far as home grown stock is concerned and that he is constantly refusing orders.

U S Budlong's E Blue Ribbon Valley.

Chas. W. McKellar reports a good demand for orchids and says that his stock of cattleyas, dendrobiums, oncidiums and phalaenopsis find ready buyers.

Wm. H. Hilton of Fifty-third street had several receptions the past week for which he furnished the flowers and favors.

The Randolph Floral Co. has remodeled its room at the southeast corner of Randolph street and Wabash avenue.

Erne & Klingel were obliged to double-deck another side of their store to make room for their growing business.

John Zech is supplying Zeck & Mann's customers with a fine grade of Col. D. Appleton chrysanthemums.

L. Koropp, Evanston avenue, left this week for a business trip to New York.

MUMS, The Best the Market Affords

Boxwood,	
50-lb. case.....	\$7.50
Wild Smilax,	
Per case.....	\$5.00
Mexican Ivy,	
Per 100.....	\$0.75 Per 1000.....
Leucothoe,	
Per 100.....	\$0.75 Per 1000.....
Galax,	
Per 100.....	\$0.75 Per case.....
	\$5.00

BEAUTIES, good crop of all lengths.

KILLARNEY, really show stock.

CARNATIONS, in good supply.

VALLEY, the best at all times.

PRICE LIST ON APPLICATION.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)
PHONES Central 2571-2572
Automatic 48-734.

CHICAGO

Weiland & Risch have had a force of men busy all week unloading their winter supply of coal. Peter Risch says that about 2,000 tons are needed each season to heat their range of 36 houses successfully.

Orr & Lockett are installing a complete set of fixtures for Phillip Vitellare, the new florist at 175 W. Jackson boulevard.

J. E. Enders has recovered from his recent operation and is again at work at Poehlmann Bros. Co.'s store.

Chas. W. Crum, formerly at 704 S. Center avenue, has opened a new store at 3954 W. Harrison street.

Visitors: B. J. York, representing the A. M. York estate, Hancock, Mich.; Frank M. Smith, of Smith & Fetters, Cleveland, O., returning from California; — Shade, Edmonton, Alberta, Can.

St. Louis.

OUTDOOR FLOWERS AT END.

Cooler weather to a marked degree has arrived and all outdoor flowers are at an end. The smaller varieties in chrysanthemums show their influence on carnations, especially for funeral purposes. Fancy chrysanthemums bring \$2 to \$3 a dozen, carnations \$1.50 to \$2.50 a dozen. Roses have been very plentiful. American Beauties are good and bring good prices. Violets are daily improving and the prices are better. Asparagus plumosus and sprengeri and all other greens are selling well.

NOTES.

George H. Angermueller and wife, Ben Albert and Harry Schlechter had a very enjoyable trip Sunday to De Soto, Mo. They visited the greenhouses of G. M. Thost and found everything in tip-top shape. They were royally entertained by S. H. Hibbert and wife who have retired from the flower business.

C. A. Kuehn's store always has a fine, clean, fresh appearance and is now well stocked with fancy blooms in chrysanthemums and other flowers.

The Wm. C. Smith Wholesale Floral Co. has had heavy sales on chrysanthemums, roses and violets. This firm is headquarters for Missouri.

The Windler Wholesale Floral Co. is receiving large consignments of chrysanthemums and handling some extra fine orchids.

W. A. Rowe is cutting some extra fine cut lily of the valley and ships to the Windler Wholesale Floral Co. He has a very swell location.

Alexander Waldbart & Sons find trade very much improved.

Miss Matilda Waldman has a fine trade in American Beauty roses, also a large plant trade.

The Oakland Floral Co. is shipping some extra fancy Mrs. Kelley, Tousey, Ivory and Pierre.

Paul Heil, formerly with the Ayres Floral Co., is now in the employ of F. H. Weber.

Baer of Peoria, Ill., is shipping fine chrysanthemums and carnations to this market.

Joe Ent is a daily visitor to the market and finds trade picking up.

H. G. Berning has a great supply of chrysanthemums and carnations.

George H. Goebel is cutting some good chrysanthemums.

Jules Bourdet is cutting some good chrysanthemums.

F. C. Weber, Jr., is a daily visitor to the market.

Mrs. Richter is cutting some fine violets.

William Kalisch is still on the sick list.

W. F.

Columbus, O.

BUSINESS INCREASING.

The month of November opened with rain followed by snow-flurries and cold, dark, disagreeable weather. All the florists are busy, a fact which becomes evident by the large amount of chrysanthemums that are being cut. Early blooms are all cut and gone. Halliday, Col. Appleton, Enguehard are on the market with Ivory and Bonnaffon coming a little later. The flowers are of excellent quality and are bringing reasonable prices. Although there are many chrysanthemums grown and offered there has been no glut on the market. Carnations, which are reaching their standard winter length, are of good quality but are not offered in an oversupply. In fact, they have been cleaned up early each day for the past few months. Roses are of excellent quality and standard length of stems but are not to be had in very large quantities. Those who are growing American Beauties are having excellent success. The flowers are good and the stems long.

NOTES.

Ralph Knight reports his chrysanthemums about all cut. His sweet peas are in the best of condition and he expects to begin cutting soon.

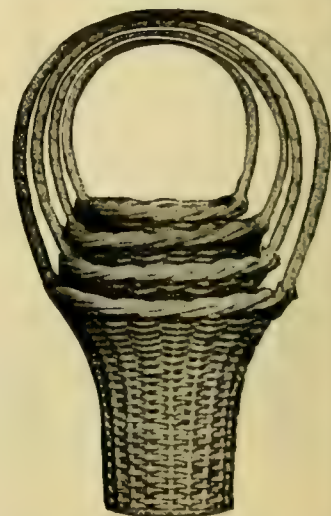
Leo Miller's establishment shows the result of his judicious care. His roses show excellent growth and bud while the carnation range is in fine growing condition.

James Dozer, formerly with the Livingston Seed Co., is now with the Columbus Floral Co.

L. S. B.

WEST BEND, WIS.—F. C. Kesting, a local florist, will enter the nursery and seed business also.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

U S E Budlong's Blue Ribbon Valley.

DECORAH, IA.—Henry Symonds of the Decorah Greenhouses has developed a new seedling carnation of much promise.

STURGIS, MICH.—Mrs. Nellie M. Smith, 94, noted for her horticultural work and magazine contributions, has left this place to make her home in Los Angeles, Calif.

JOHN F. KIDWELL, President. EDWARD MEURET, Vice-President. GEO. C. WEILAND, Sec'y. ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone 176 N. Michigan Ave.
Randolph 5449

Chicago

MUMS and Pompons White--Pink--Yellow

of good quality
in large quantities

VIOLETS Single--Double

Regular shipments of
exceptionally fine stock

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 4.00	\$ 3.00	\$ 2.00	\$ 1.50			
Killarneys.....per 100	8.00	6.00	5.00	4.00	\$3.00	\$2.00	
White Killarneys.....	8.00	6.00	5.00	4.00	3.00	2.00	
Richmonds.....	8.00	6.00	5.00	4.00	3.00	2.00	
My Maryland.....	8.00	6.00	5.00	4.00	3.00	2.00	
Perle.....	8.00	6.00	5.00	4.00	3.00	2.00	
Ward.....	8.00	6.00	5.00	4.00	3.00	2.00	
Carnations.....	3.00	2.00	1.50	1.00			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, Single, double.....	.75	.50					
Chrysanthemums.....per doz.	3.00	2.50	2.00				
Pompons.....per bunch	.75	.50	.35				
Asparagus Plumosus Sprays..per 100	4.00	3.00					
Asparagus Sprengeri Sprays..	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

Philadelphia Notes.

J. J. Habermehl's Sons had quite an elaborate decoration for an after-the-opera dinner on hallowe'en. The celebrated Clover room at the Bellevue-Stratford Hotel, about sixty feet square and with a high ceiling, was made to represent a barnyard scene. The entire wall space was covered with straw mats, on which garlands of fruit were festooned. The ceiling was canopied with oak leaves, while the floor was completely carpeted with green raffia mats. A stage showed through an opening at one end and in front of this was a pond in which ducks swam about. Electric lights covered with green and red shades furnished a rather weird light. Leading to the room a long entry was bordered with tall cedars on which were suspended all kinds of hallowe'en figures and lanterns. It was much admired by all who had the good fortune to see it.

The November meeting of the club was fairly well attended. There was no essayist, but the question of publicity in connection with the work the New York club has been doing was taken up and considerable progress made. All are enthusiastic in the matter. President Thilow appointed a publicity committee of eighteen who will meet soon and lay out the work in a systematic manner. The various committees of the club to serve for the ensuing year were appointed by President Thilow. — Morrison of Baltimore, Md., was an interested visitor.

New flower stores are opening up with the approach of the busy season. Eugene Weiss, one of the old-timers, is getting into the business again. His store, to be opened soon, will be on Germantown avenue below Cheltenham avenue, Germantown. The New Century flower shop, F. Sheane, proprietor, will open on Fifty-second street below Spruce. Another is to be opened by

Rappas, the Broad street station florist, in one of the new stores on Fifteenth street below Arch street.

The Leo Niessen Market is a busy place these days. The floor space, one of the largest if not the largest occupied by any similar firm in the country, seems to be hardly sufficient, so great is the stock handled. Chrysanthemums and American Beauty roses were leaders the past week.

The store of M. Rice & Co. is one of the busiest places in town. As the holidays approach the force is increased, but the alert salesmen on the road keep things at a white heat all the time. They say this is sure to be their banner season.

Jack Berger says he believes the chrysanthemums are better this season than ever before, but that the warm weather is hurrying them along too fast, every day bringing them large consignments.

The London Flower Shop is to give the profits for one day, November 9, to the Home for Incurables. Extra salesladies from friends of the home are to assist for this occasion.

Cattleyas are a strong feature with Edward Reid as are also American Beauties.

K.

Boston.

SATURDAY TRADE GOOD.

It was dull last week. Saturday as usual was the bright spot. Friday's rain storm kept people indoors, but the bracing day on Saturday and the Harvard football game lent a zest to the trade. Red chrysanthemums were in the call and good prices obtained. Violets are plentiful. Carnations are druggy and hard to move. Many lots are going to the street men. Orchids are being worn by the society buds.

GOLDFISH

"Something
Alive in the
Window"



Catches
the public eye.

Order your
supply now.
\$3.00 per 100
and up.

Write for catalog.

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO

NOTES.

The best Bonnaffons we have seen were in the Co-operative Market and were grown by Robert Montgomery, of Natick. The size of the flowers, the length of stem and the glossy foliage put them in the show class. Edmund J. Welch, son of P. Welch, returned after a year's absence to be representative of Welch Bros. Co.'s three stores in Boston, Montreal, Can., and Albany, N. Y. He has been getting the practical end of the business with Lawrence Cotter of the Lakeview Rose Conservatories, Jamestown, N. Y. Mr. Welch speaks very highly of the high-class stock grown by Mr. Cotter, and especially the Lakeview strain of double Pink Killarney grown there. Mr. Cotter has our best wishes for his continued success.

The club banquet will be held November 11. Probably Mayor Fitzgerald will favor us with the rendition of his favorite song

Visitor: Walter Pederson, St. Johns, N. B.

MAC.

We Sell the BEST CUT FLOWERS obtained from the Most Expert Growers. That's the reason that ours is "THE BUSIEST HOUSE IN CHICAGO."

PHONES: L. D. Central 3155; Automatic 44-389.

MUMS--BEAUTIES FOR THANKSGIVING

We will also have a very fine stock of all seasonable flowers and would advise you to place your orders early.

See next issue for Price List.

All Orders Receive
Our Special Attention.

J. B. DEAMUD CO.,

160 N. WABASH AVE., CHICAGO.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 **CHICAGO**

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, 'Mums, Pompons and Greens of all kinds.

Nashville, Tenn.

GOOD CALL FOR MUMS.

A killing frost visited this section on November 1 and the temperature fell to below freezing, but the sunshine is still with us and the flowers are doing beautifully. The chrysanthemums are in all their glory and there is call for all that are brought in. The football game between Vanderbilt University and the University of Virginia made quite a rush in the chrysanthemum line. Violets went by the wholesale to give the blue color of Virginia. All the florists express themselves as quite satisfied with the special demand, and are looking forward to the famous Vanderbilt-Seawane game on Thanksgiving day, when there is always a large demand for everything in sight. Funeral work has been rather more slack the past week than for several weeks previously. The funeral of Brown McMillin, son of former Governor McMillin and the present democratic candidate for gubernatorial honors, called for many beautiful flowers.

NOTES.

The Joy Floral Company is very proud of its crop of American Beauty roses, which are of rich color, fine in foliage and very long-stemmed. Their grower is Godfrey Johnson.

L. Haury & Sons are bringing in fine plants and flowers. They have the daisy chrysanthemum, which seems to be a great favorite, and the sales on it are fine.

McIntyre Bros. hope to be in their new store in a short time and look

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

**ROSES, VALLEY
and CARNATIONS
A Specialty.....**

**WHOLESALE
Grower of**

CUT FLOWERS

forward to the change with pleasure.

Geny Bros. have a fine display of chrysanthemums and are selling all they can cut. M. C. D.

Cleveland.

DEMAND HAS INCREASED.

Since the outdoor stock has about disappeared altogether, the demand for flowers has increased to a noticeable extent. Carnations have cleaned up nicely nearly every day at fair prices. The opening and reception at the new west side market house cleaned up a large quantity of chrysanthemums and roses during the latter part of the week. A fine lot of Bonnafon chrysanthemums are arriving daily. This week will see the large Col. Appleton a part of the daily stock. Orchids are rather plentiful and the demand fair. There are plenty of small chrysanthemums, Ivory and pompons on the market, and retailers can get anything from 50 cents to \$3 a dozen for the best. Valley has not been overplentiful. Violets are in good demand, and the flowers show good size and form. Southern smilax can be had at any time as fresh stock

arrives nearly every day. Boxwood is good this season and retailers are availing themselves of this favorable green for wreaths, etc., etc. Christmas orders for boxwood are also being taken daily for future delivery. There will be a few novelties for Christmas this year. C. F. B.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

Won Lost		Won Lost	
Roses	14 7	Carnations ...	8 13
Violets	12 9	Orchids	8 13

Individual and team scores for games played October 23:

Roses.		Orchids.	
Goerisch ..	138 132 170	Lazeroff ..	107 144 137
Kreutz ..	104 159 120	Graft ..	126 196 181
Cassler ..	161 140 128	Cohen ..	159 161 99
Price ..	165 174 164	George ..	133 164 122
Fischer ..	147 149 205	J. Zech ..	192 138 128
Totals ..	715 754 787	Totals ..	717 788 667
Carnations.		Violets.	
Lorman ..	133 145 117	A. Huebner	135 158 126
Lieberm'n	155 192 107	Jacobs ..	172 173 135
Armstrong	120 100 118	Cole ..	166 122 135
Brunk ..	140 122 105	Schultz ..	143 148 105
A. Zech ..	167 188 160	Huebner ..	163 145 138
Totals ..	697 745 607	Totals ..	770 746 720

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

68 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

Bronze Galax

Good quality in any quantity

\$5.00 per Case.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph, St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
Rogers Park 227—Nursery.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing



Mention the American Florist when writing

U S Budlong's E Blue Ribbon Valley.

OMAHA, NEB.—Park Commissioner Hummel will rebuild the greenhouse at Hanscom Park next year. The present structure is in a dilapidated condition.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Nov. 6.	Per doz.
Roses, Beauty, specials.....	4 00
" " 36-in.....	3 50
" " 30-in.....	2 50
" " 24-in.....	2 00
" " 15-20-in.....	1 50
" " 12-in.....	1 00
" " Short.....	Per 100
" Killarney.....	4 00@ 8 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	3 00@ 8 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Kaiserin Augusta Victoria..	3 00@ 8 00
" Lady Hillington.....	3 00@ 8 00
" Sunburst.....	3 00@ 8 00
Carnations.....	1 50@ 3 00
Cattleyas..... per doz.,	6 00
Chrysanthemums, doz.,	2 00@ 4 00
Pompons, bunch,	50@ 1 00
Gardenias.....	1 50@ 2 00
Lilium Harrisii.....	12 00
Orchids, Dendrobium, per doz.,	5 00
Valley.....	3 00@ 4 00
Violets, Princess of Wales.....	75@ 1 00
Adiantum Croweanum.....	1 00
Ferns..... per 1000,	1 50@ 2 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000,	5 00
Plumosis Strings, each,	50@ 60
Smilax..... per doz.,	1 50@ 2 00
Sprenger, Plumosis Sprays.....	3 00@ 4 00

HOERBER BROS.

Wholesale Growers of Cut Flowers

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of CUT FLOWERS

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses, Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ransstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

U S Budlong's E Blue Ribbon Valley.

Philadelphia.

BUSINESS QUIET.

Business has been quiet the past week, although there has been several large weddings and one or two large decorations that drew heavily on the chrysanthemums. These flowers, the growers say, are from a week to ten days earlier than last year. Almost all the popular varieties are now in. Wm. K. Harris is cutting Dear Friend, Maud Dean, white Grace, white Dean and Lady Bountiful, the last three being sports of Maud Dean and all very fine varieties. The Robert Craig Co. is cutting heavily; in fact, they are coming from every direction, and yet the market appears to take them all at fair prices. Killarney roses are in crop again and some of the finest Marylands that have ever graced this market were seen the past week. Sunburst, Ward and Hillingdon are fast getting into their stride and will certainly give the Killarneys a run for public favor. American Beauties are in fair demand, with quality very good for the season. Carnations, while fine, are low in price. The Wards are equal to last season. Gardenias are a trifle below the demand, while cattleyas are a little ahead. Easter lilies move

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Nov. 6.		Per 100
Roses, Beauty, extra.	20 00@35 00	
" first	8 00@16 00	
" Brides and Maids.	4 00@10 00	
" Killarney	3 00@10 00	
" White Killarney	3 00@10 00	
" Liberty	3 00@10 00	
Cattleyas.	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Dahlias	2 00@ 4 00	
Gardenias, per doz., 1 00@2 00		
Lilium Harrisii.	8 00@10 00	
Lily of the Valley.	3 00@ 5 00	
Marguerites	75@ 1 00	
Snapdragons	3 00@ 6 00	
Sweet Peas	40@ 50	
Adiantum	75@ 1 00	
Asparagus, per bunch, 50		
Smilax	15 00@20 00	

PITTSBURG, Nov. 6.		Per 100
Roses, Beauty, special.	25 00	
" extra	12 00@20 00	
" No. 1.	6 00@10 00	
" Killarney	2 00@ 6 00	
" My Maryland	2 00@ 6 00	
" Richmond	2 00@ 4 00	
Asters	1 00@ 4 00	
Cattleyas	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli	2 00@ 4 00	
Lilium Auratum	5 00	
Lilium Longiflorum	10 00@12 00	
Lilium Rubrum	5 00	
Lily of the Valley	4 00	
Oncidiums	3 00@ 4 00	
Adiantum	1 00	
Asparagus Sprengeri, per bunch, 35@40		
Sprays, per bunch, 35@40		

MILWAUKEE, Nov. 6.		Per 100
Roses, Beauty, per doz., 75@3 00		
" White and Pink Killarney.	3 00@ 8 00	
" Richmond	3 00@10 00	
" Mrs. Aaron Ward, Melody and Mrs. Taft.	3 00@12 00	
Carnations	2 00@ 4 00	
Chrysanthemums, white yellow and pink	1 00@ 3 00	
'Mums, Pompons, per bunch, 50		
Lilium Giganteum, per doz., 2 00		
Lily of the Valley	3 00@ 4 00	
Violets	75@ 1 00	
" Single	1 50	
Adiantum	1 50	
Asparagus	50	
" Sprengeri, per bunch, 25@ 35		
Ferns, Fancy, per 1000.	1 50	
Oak Sprays, prepared	1 00	
Wild Smilax, per case	85 00	

slowly. There is a good demand for valley at the usual price. Dahlias are gone. It has been a great season for the dahlia men and they are much encouraged.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

FRESH CUT VALLEY

Choice Quality

Received Every Day

Your Orders Solicited

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

Beauties.

\$1.00-4.00 per dozen. Splendid flowers and a dependable supply. We will be extra strong on Beauties during the entire season.

Cattleyas.

\$6.00 per dozen. Packed with unusual care, every flower will reach you in good condition.

Gardenias.

\$2.00-\$3.00 per dozen. A fresh supply every morning. The best you will find anywhere.

THE LEO NIESSEN CO., Wholesale Florists,
N. W. Cor. 12th and Race Sts.

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

MONTREAL FLORAL EXCHANGE, LTD.

Frank McKenna, Pres. Wm. Cotter, Mgr.
CUT FLOWERS AND FLORISTS' SUPPLIES OF EVERY DESCRIPTION
furnished at short notice. Consignments solicited.
Canadian Grown Flowers a Specialty.
Strictly Wholesale. Best of references.
123 Mansfield Street, - - - MONTREAL, P. Q.

Welch Bros. Company,

226 Devonshire St., BOSTON, MASS.
American Beauty, Valley, Carnations,
Killarney, Richmond, Maryland, and
other seasonable stock. :: :: ::

Wholesale Flower Markets

BUFFALO, Nov. 6.	Per 100
Roses, Beauty, special.....	20 00@25 00
" " fancy.....	15 00@20 00
" " extra.....	12 00@15 00
" " No. 1.....	6 00@10 00
" " No. 2.....	2 00@ 4 00
" Maid and Bride.....	3 00@ 6 00
" Pink Killarney.....	3 00@ 6 00
" White Killarney.....	3 00@ 6 00
" Richmond.....	3 00@ 8 00
" My Maryland.....	3 00@ 6 00
" Kaiserin.....	3 00@ 8 00
" Carnot.....	3 00@ 7 00
" Mrs. Taft.....	3 00@ 8 00
" Aaron Ward.....	3 00@ 6 00
Carnations.....	1 00@ 2 50
Chrysanthemums.....	4 00@20 00
pompons, per bunch.....	35@ 50
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 4 00
Swainsona.....	50@ 1 00
Violets.....	50@ 60
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....	per 1000, \$2 00
Galax.....	per 1000, \$1 50
Smilax.....	15 00

BOSTON, Nov. 6.	Per 100
Roses, Beauty, best.....	20 00@25 00
" " medium.....	12 00@20 00
" " culls.....	2 00@ 4 00
" White and Pink Killarney.....	1 00@ 6 00
" " Extra.....	4 00@ 8 00
" Taft.....	2 00@12 00
" Cardinal.....	4 00@12 00
" Ward and Hillingdon.....	9 00@12 00
" Killarney and Richmond.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Carnot.....	6 00@ 8 00
Carnations, select.....	1 50@ 3 00
Callas.....	8 00@12 00
Cattleyas.....	35 00@50 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	12 00@16 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	50@ 1 00
Smilax.....	12 00@16 00

CINCINNATI, Nov. 6.	Per 100
Roses, Beauty.....	per doz., 50@ 3 00
" Bride, Bridesmaid.....	2 00@ 8 00
" Killarney.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Perle.....	2 00@ 8 00
" Richmond.....	2 00@ 8 00
" Taft.....	2 00@ 8 00
Chrysanthemums, doz. 1 00@ 3 00	
Carnations.....	2 00@ 3 00
Callas.....	12 50
Lilium Giganteum.....	12 50
Lily of the Valley.....	3 00@ 4 00
Orchids.....	per doz., 6 00
Sweet Peas.....	50
Violets.....	50
double.....	50
Adiantum.....	1 00
Asparagus Plumosus.....	per bunch, 25
Asparagus Sprenger.....	per bunch, 25



Give Us a Trial We Can Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Mention the American Florist when writing

ST. LOUIS, Nov. 6.	Per 100.
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	2 00@ 4 00
" My Maryland.....	3 00@ 5 00
" White Killarney.....	2 00@ 6 00
Chrysanthemums, small.....	6 00@10 00
large.....	15 00@25 00
Easter Lilies.....	10 00
Lilium Rubrum.....	5 00@ 6 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu., 35@60	
Ferns, New, Fancy.....	1 50

BELLE FOURCHE, S. D.—Theodore Wiles, manager of the Belle Fourche greenhouse, has installed a new heating plant.

—THE—

J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.
Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, O.
Wholesale Commission Florist
Consignments Solicited
Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to
1608 Second Ave., SEATTLE, WASH
Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr.

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street, CHICAGO

New York.

TRADE SOMEWHAT IMPROVED.

Though there were dull days in the middle of the last week, its beginning and ending were both good in comparison with some days that had gone before. The week's business opened with a lighter supply of stock and conditions were somewhat better. While there was an abundance of stock throughout the remainder of the week, the market had a better tone and Saturday, November 2, was a good day. The early chrysanthemums are now pretty well cut out and the later varieties, notably Bonnaillon are appearing. Roses and carnations were never better at this season and when this is written it is nearly November and yet dahlias and cosmos are coming in. Violets, in the vernacular of the lower East Side, seem to have "got theirs." They cannot be moved at 20 cents a hundred; within a comparatively short time large sales have been made at 75 cents a 1,000, which may be better than throwing them on the dump, but is not much. The complaint for the past week has been that the weather was too warm. This week opens much cooler.

New York, Monday, November 4.—There is a fair market this morning. The weather is clear and cold. Heavy frosts are reported from New Jersey and Long Island, which will finish the outdoor stock. The outlook is encouraging.

NOTES.

G. Meyer, of Fifty-eighth street and Madison avenue arranged a fine wedding decoration, October 31 at the home of Mr. and Mrs. Newbold Edgar, 28 East Thirty-ninth street. The occasion was the marriage of their daughter, Miss Agnes Le Roy Edgar to Stewart Edmund Davis. The walls of the parlor were branched to the ceiling with white chrysanthemums, the dining room with pink Ivory chrysanthemums. The bower was of palms interspersed with white chrysanthemums. Over 200 candelabras were used on the mirror near which the bridal party stood. Vases and bunches of chrysanthemums were placed in every available nook. This was conceded to be one of the very finest decorations of the season.

Anton Schultheis of College Point was found with a force of men potting up azaleas, and the stock looks very fine. He has always taken high standing as a grower of fine plants and continues to keep well in the front of the procession. There is so much good stock that it cannot all be enumerated, but particularly noteworthy are poinsettias in pans and also for cutting, ardisias, O. oranges, cyclamens, and ericas. He is now selling a great stock of chrysanthemums in pots.

The A. J. Guttman floor of the Coogan Building, Twenty-sixth street and Sixth avenue is now a very busy place. In addition to the large stock handled by Mr. Guttman the Henry M. Robinson Co., of which Maurice Glass is manager, is doing a large business. Fred Schumann, a former partner of J. J. Perkins, has re-entered the wholesale business on this floor.

Though the Julius Roehrs Co. is located at Rutherford, N. J., so much of their stock is marketed in New York that they may well be considered as a part, and a large part, of the trade of this city. Their trucks, loaded with evergreens and a great variety of other stocks, are daily to be seen on the streets of the metropolis and their products can be seen in all the leading stores.

Dalliedouze Brothers will this season disseminate their new sport of the Enchantress carnation which they have named Enchantress Supreme. For the past four years they have been grow-

MILADY

Is Coming Out!

We shall disseminate in March the new red forcing Rose "MILADY." Look for it at the fall shows! We believe this variety means commercial, profitable red roses. It has color, size, substance, fragrance and productiveness.

We invite you to visit our place and see it growing.

A. N. PIERSON, Inc.,
CROMWELL, CONN.

ing it and have now a very large and fine stock. It is a better color and forms better buds than the parent Enchantress, at the same time having all the other qualities.

At the John Scott range, of which George Scott is now general manager and Harry Fraser head grower, there is the usual great stock of fine Scotti ferns. At the original home of this fern, it is gratifying to observe the stock so well kept up. There is also a great stock of other standard foliage and flowering plants.

Election day falling on Tuesday, the MacNiff Horticultural Co. has announced a special sale for Wednesday, November 6, when they will offer a fine stock of evergreens, boxwood, rhododendrons and rose bushes. Notwithstanding bad weather their sale on November 1 was well attended and a large stock disposed of.

At the range of G. Dreyer, Woodside, there is the usual great stock of foliage and flowering plants. The late H. Dreyer was a noted plantsman and under the management of his son the range is now in fine condition. Palms, ferns, araucarias and many other plants, all in fine condition, are very noticeable.

A. Demeusy, another Flatbush grower, has a fine healthy stock of carnations, notable among them being the new red, St. Nicholas, recently brought out by Bauer & Steinkamp, Indianapolis, Ind. All of his cut flowers are handled by Bonnet & Blake of Brooklyn.

The remodeled St. Andrew hotel, Broadway and Seventy-second street, which was opened October 31, shows some new and interesting features. There is a sunken Venetian garden, containing both natural and artificial flowers, and also a rose garden.

Badgley, Riedel & Meyer are receiving a fine line of chrysanthemums, also something very good in carnations and orchids. Every member of this firm is a hard worker and constantly on the job. They deserve the success that is attending them.

A daily feature in the store of Henshaw & Fenrich is the new pink rose, Mrs. Geo. Shawyer, which brings top prices. They are also receiving large shipments of other standard varieties as well as many chrysanthemums.

David Herbert and son of Ateo, N. J., were in this city last week calling on Guenther Bros. Up to the time this was being written they were still cutting dahlias at their big farm, as there had been no frosts.

Importers of azaleas have recently received cablegrams from Belgium say-

M. C. FORD

Successor to FORD BROS.

Receivers and shippers of **FRESH FLOWERS.**

121 West 28th St. NEW YORK

Telephone 3870-3871 Madison Square.

Mention the American Florist when writing

A. L. YOUNG & CO.

Wholesale Florists

Consignments Solicited

Telephone, 3559 Madison Square.

54 West 28th St. NEW YORK

Mention the American Florist when writing

ing that on account of heavy October frosts stock has been damaged and that shipments will only be about one half what was ordered.

Edward Bogan, one of the old landmarks of the flower business in this city is yet seen occasionally in the wholesale district. Though bearing the weight of over four score years he is active and cheerful.

Wm. Iler, with E. C. Haran, recently received a letter from Arthur Hunt who is under treatment for throat trouble in a sanitarium at Liberty, N. Y. He says that he is greatly improved in health.

In his new store on Twenty-eighth street, Wm. P. Ford has been handling a great stock of chrysanthemums as well as all other stocks that go to make a completely equipped wholesale store.

George Siebrecht of Siebrecht & Siebrecht has been sick for the past week but it is hoped that he will have recovered his usual health in a short time.

G. Messeberg, also of Flatbush, is cutting a good stock of chrysanthemums and carnations which is being handled by Moore, Hentz & Nash.

G. Golsner's Sons, College Point growers, give their attention to cut stock, carnations, callas and bouvardias being very prominent.

James Coyle, for years favorably known as an employee of H. E. Froment, is now well established in business for himself.

Louis Schmutz is busy as usual filling orders for plants.

A. F. F.

To the Florists of the United States.

Let us figure with you on your requirements on **BOXWOOD SPRAYS** from the old plantations of the Sunny South. We ship every season quantities of Boxwood from coast to coast. Our light-weight containers permits us shipping you successfully by Express.

Guaranteed:—We cannot afford to use this word loosely; this statement means that we supply merchantable quality, good, clean, glossy, green sprays (free from excess wood) 16 ounces to the pound. Containers hold 50 lbs. net weight of Choice Boxwood Sprays. We shall be pleased to submit sample and quote you on your needs.

PITTSBURGH CUT FLOWER CO.,

Introducers and Large Shippers of
Boxwood Sprays.

121 7TH STREET,

PITTSBURGH, PA.

The Albany Cut Flower Exchange

Thos. Tracey, Manager
Wholesale Only.

76 Maiden Lane, ALBANY, N. Y.

Albany is the center for florists in Eastern New York, Vermont and Western Massachusetts. Try Us for the New Varieties. Prices Right. Consignments Solicited. Telephone Connection.

PHILADELPHIA

NEW YORK

WASHINGTON



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 } Madison Sq.
1665 }

Consignments Solicited

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Wholesale Flower Markets

NEW YORK, Nov. 6.		Per 100
Roses, Beauty, special	15	00@25 00
" extra and fancy	10	00@15 00
" No. 1 and No. 2	2	00@6 00
" Bride, Bridesmaid special	2	00@4 00
" extra and fancy	1	00@3 00
" No. 1 and No. 2	50	@1 00
" Killarney, My Maryland	4	00@3 00
" extra and fancy	2	00@4 00
" No. 1 and No. 2	50	@1 00
" Taft, Hillingdon, Aaron	50	@6 00
" Ward	50	@5 00
" Richmond	6	00@10 00
" Sunburst, special	8	00@30 00
" Mrs. Geo. Shawyer	1	00@2 00
Carnations	25	00@50 00
Cattleyas	2	00@40 00
Chrysanthemums	4	00@15 00
Gardenias	2	00@4 00
Lilies, Longiflorum and Harrisii	2	00@3 00
Lily of the Valley	15	@35
Violets	15	@35
Adiantum Croweanum	15	@35

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway
and Sixth Avenue,

NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA

U S Budlong's E Blue Ribbon Valley.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

Albany, N. Y.

The Rosery celebrated its fifth anniversary November 1 by opening at a new location, 23 Steuben street. The members of the firm, Edward F. Meany and Edward P. Tracey, gave out 2,000 roses to customers who called. The first two days brought many new faces to the establishment and kept an extra force of help very busy. The store is well fitted up and attractive and Messrs. Meany and Tracey are much encouraged with the outlook.

At the old store, 76 Maiden Lane, all is activity. This is now the home of the new Albany Cut Flower Exchange, Thomas F. Tracey, manager. The opening on November 1 was most auspicious. Orders came Friday and Saturday from florists as far north as Saranac Lake and west to Oneonta. This firm fills a want which was long felt as a wholesale place has been needed in this section for some time.

R. D.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50 pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,
Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

All greens guaranteed to come up to your standard of quality. **BEST REFERENCES.**

Green Galax.....40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....70c per 1000, 3.25 per case (5,000)
Fancy Fern.....65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....50c per 1000 2.00 per case (5,000)

Terms Cash. Prompt Shipment.
No orders too small to have our attention.

BANNERS ELK, N. C.

DESERT HOLLY

Something New for
Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its beauty. **50c and \$1.00.** Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.
Crates 2x2x2½ feet, F. O. B. Amargosa, **\$5.00.** Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY,

MILFORD, N. H.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Delaware Holly

Heavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case.
14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN,

Felton, Del.

SOUTHERN WILD SMILAX

Wire or write

hattahoochee Floral Co., Hatcher Station, Ga.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind:

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

November 10.

FROM MONTREAL, Sicilian, Allan.

Gordon Castle, Norton.

November 12.

Noordam, Holland-America, 10 a. m.

Kronprinz Wilhelm, North Ger. Lloyd, 10 a. m.

November 13.

Finland, Red Star, 10 a. m., Pier 61, North River.

Laura, North Ger. Lloyd, 1 p. m.

November 14.

La Lorraine, French, 10 a. m., Pier 57, North River.

Bremen, North Ger. Lloyd, 10 a. m.

November 15.

FROM MONTREAL AND QUEBEC, Tunisian, Allan.

Moracas, Trinidad, Pier 24, Brooklyn.

November 16.

FROM MONTREAL AND QUEBEC, Pretorian, Allan.

Caledonia, Anchor, 12 noon, Pier 64, North River.

Caronia, Cunard.

Pannonia, Cunard.

Chicago, French, 3 p. m., Pier 57, North River.

St. Paul, American, 9:30 a. m., Pier 62, North River.

FROM PHILADELPHIA, Dominion, American, 10 a. m.

Cymric, White Star, 12 noon.

Majestic, White Star, 12 noon.

FROM MONTREAL, Canada, White Star Dom., at daylight.

Berlin, North Ger. Lloyd, 11 a. m.

Canada, Fabre, 3 p. m.

Kursk, Russian-American, 2 p. m.

FROM MONTREAL, Cassandra, Donaldson.

November 17.

FROM MONTREAL, Scotlan, Allan.

Martha Washington, North Ger. Lloyd, 1 p. m.

November 19.

FROM BOSTON, Arabic, White Star, 6 a. m.

President Lincoln, Ham-Am., 2 p. m.

Ryndam, Holland-American, 10 a. m.

Grosse Kurfuerst, North Ger. Lloyd, 10 a. m.

November 20.

Campania, Canada.

Vaderland, Red Star, 10 a. m., Pier 61, North River.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists

We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and I Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.

Kansas City and

Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.
41 Peachtree Street

Mention the American Florist when writing

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**
J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

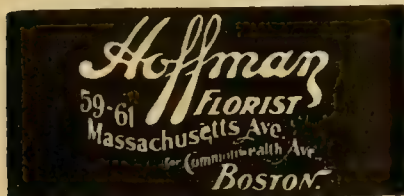
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bro and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heint & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer
: ; FLORIST : ;

Phone 2416 Main. 14th & Eye Sta., N. W.
Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS
PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heisl)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Rochester, N. Y.

BUSINESS IMPROVING.

Week before last was the duller than we have had for a long time, but last week was better. Good material is coming into the wholesale houses and is beginning to bring good prices. Some very good pompon mums in various shades sell well. Bonaffons are scarce now, but other kinds are plentiful. Easter lilies are scarce again and do not meet the demand. Violets are exceptionally good. Some fine baby foxglove has arrived. Carnations are very scarce. Potted plants are beginning to be shown in several of the stores for the thanksgiving trade. Prices on all flowers at wholesale are on the advance but business for the month of October has been below normal.

NOTES.

In memory of Vice-president Sherman, an effective window display was shown by H. E. Wilson, of 88 East Main St.

George Bennett, of Greece, N. Y., started last Monday for California and expects to be away at least three months.

George B. Hart received a very fine shipment of cyclamens which he quickly disposed of the other day.

Frank Boenka has recently erected a greenhouse and has begun to grow carnations.

Fred Mossgraver is building a greenhouse, 40x150 feet, at Webster, N. Y.

H. J. H.

Buffalo.

CHRYSANTHEMUMS MORE PLENTIFUL.

Chrysanthemums are getting more plentiful. Roses are in good supply and carnations are having their usual sale. Pompons are in demand and in all colors. Weddings were numerous last week. Receptions have been few probably owing to election excitement.

NOTES.

The flower show is the all-absorbing topic and every one is doing his utmost to make this show a success. The best efforts of the trade will be in evidence from Wednesday until Sunday at the Elmwood convention hall to show the people what possibilities there are in flowers. General Chairman Kasting is a busy man and with his able corps of assistants on the different committees will spare no trouble to make the show a success in every way.

Humboldt Park, of which Henry Elbers is superintendent, is one of the city's beauty spots. A floral exhibit was held on Sunday which was attended by thousands. South Park has also had its annual exhibit and Professor Cowell has shown the citizens of this place some rare flowers.

A great many social events are scheduled and the season bids fair to be more active than last year with every prospect of a good supply from the local growers.

S. A. Anderson has built a 500-foot brick driveway to his Elmwood place.

BISON.

BATTLE CREEK, MICH.—An association of horticulturists known as the Battle Creek Horticultural Society, was organized here October 30.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

PITTSBURGH
Mrs. E. A. Williams

621 Penn Avenue.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Deliver

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST Co.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY,
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

Peacock Dahlia Farms,
O. Berlin, N. J. Williamstowne Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

CHICAGO.—Prices on the Board of Trade November 6 for grass seed were noted as follows: Timothy, \$3.50 to \$4.25 per 100 pounds.

PORTLAND, ORE.—The foundation of the new warehouse being erected by the Portland Seed Co. has been completed and work started on the walls.

CHAMPAIGN, ILL.—The Champaign Seed Co. has been incorporated with a capital stock of \$10,000. Leo B. Ranson, May Ranson and Bert C. Hennessy are the incorporators.

SEDALIA, MO.—L. H. Archias, well known seedsman, and his wife, celebrated their china wedding anniversary October 28. The marriage occurred twenty years ago at Helena, Ark. Mr. and Mrs. Archias have been residents of this place for 13 years and are among the town's most prominent and respected citizens.

SAN JOSE, CALIF.—Thos. W. Chisholm, sales manager for the Braslan Seed Growers Co., Inc., is leaving the coast for his annual visit to the trade. After being in close personal touch with this season's harvest and the apportioning of the various acreages for the coming year's crop, Mr. Chisholm is well prepared with first hand information for the trade.

THE efforts of J. C. Vaughan (democrat) and Thos. D. Knight (Progressive), to oust Congressman Mann of the Second Illinois District, according to the returns at hand, with about one-fourth of the 181 precincts heard from at this writing, indicate that the vote is so split as to give Mann enough, more than one-third of the votes, to insure his election.

McCullough Not Seriously Injured.

The impression has been given out that J. Chas. McCullough, of Cincinnati, O., was shot while in front of his office. As a matter of fact, Mr. McCullough was on a Zoo-Eden Park street car, returning to his office, just ready to leave the car, when a revolver in someone's pocket was accidentally discharged, the bullet going through the fleshy part of the right forearm, just below the elbow, not injuring any of the bones. Mr. McCullough was immediately taken to the Good Samaritan hospital, where he has been for some days. He is recovering rapidly and no serious results anticipated. A wrong impression seems to have gone out to the trade as to the extent of the injury.

Idaho Peas.

Sturgeon Bay, Wis., November 1.—John B. Davis, of the John B. Davis Seed Co., returned home the latter part of last week from Idaho, where he spent a couple of months gathering the crop of the past season. This turned out very satisfactorily, in fact,

better than anticipated. He reports that instances were quite frequent when over 30 bushels were harvested from an acre, from two and one-half bushels sown. The average returns were 25 bushels to the acre and 10 bushels to the one sown. He harvested a total of between 9,000 and 10,000 bushels. This will all be shipped to this city and some of it is on the way, it taking in the neighborhood of four weeks for the freight to make the journey. All the seed will be picked over in this city, which will give employment to a large number of girls during a part of the winter when the work is most desirable.

Catalogues Received.

Vaughan's Seed Store, Chicago and New York, fall edition of gardening illustrated; Storrs & Harrison Co., Painesville, O., semi-annual trade list for nurserymen, wholesale list of florists' bulbs and plants, general list of bulbs, plants and seeds; J. M. Thorburn & Co., New York, bulbs; Conard & Jones Co., West Grove, Pa., autumn floral guide; G. L. Freeman, Wellfleet, Mass., pocket edition of orchid list; Holton & Hunkel Co., Milwaukee, Wis., plants; P. J. Berckmans Co., Augusta, Ga., nursery stock; Howard & Smith, Los Angeles, Calif., bulbs; J. B. Pilkington, Portland, Ore., trees, shrubs, vines and plants; Henry F. Michell Co., Philadelphia, Pa., wholesale list of bulbs, etc., and general list of bulbs; Peter Henderson & Co., New York, wheats, grasses, etc., for fall sowing,

and autumn list of bulbs and plants; Phoenix Nursery Co., Bloomington, Ill., wholesale list of nursery stock; Colorado Seed & Nursery Co., Denver, Colo., bulbs for fall planting; Frank E. Rue, Peoria, Ill., autumn list of bulbs; Palisades Nurseries, Inc., Sparkill, N. Y., perennials; Old Colony Nursery, Plymouth, Mass., trade list of nursery stock; Barteldes Seed Co., Denver, Colo., autumn list of bulbs and plants; Albert A. Sawyer, Forest Park, Ill., the asterium; Josselyn Nursery Co., Fredonia, N. Y., wholesale list of American grape vines; R. B. Griffith, Fredonia, N. Y., wholesale list of grape vines and small fruit plants; James MacGregor, Braintree, Mass., constructional landscape gardening.

Kelway & Son, Langport, Somerset, England, special contract offer of vegetable and farm seeds for fall delivery and list of choice florists' flower seeds; Royal Tottenham Nurseries, Ltd., Dedemsvaart, Holland, wholesale trade list of hardy perennials, etc.; Perry's Hardy Plant Farm, Enfield, Middlesex, England, delphiniums and bulbs and tubers; East End Nurseries Co., Boskoop, Holland, wholesale rose list; Vincent Lebreton's Nurseries, La Pyramide Trelaze, France, wholesale trade list of nursery stock; V. Lemoine et Fils, Nancy, France, gladiolus bulbs.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—

Special Bulb Prices

VERY BEST QUALITY
For Immediate Order.

	Per 100	1000
Calla Lilies, large size.....	\$5.00	
extra selected.	7.50	
Freeseias, Refracta Alba, first size.	.75	\$ 7.00
extra large.	.90	8.50
Narcissus, Paper White Grandiflora.....	.90	8.50
Hyacinths, Single, separate colors, unnamed.....	2.10	20.00
Hyacinths, Double, separate colors, unnamed.....	2.35	22.50
Narcissus, Empress Double Nose.	1.60	14.00
Narcissus, Polyanthus Double Roman.....	1.00	8.50
Oxalis, Bermuda Buttercup.....	1.00	8.50
Iris Hispanica	.30	2.50

To Secure These Prices, Mention This Adv.

Fair supply of all other varieties.
Send your order today.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Seedsman requiring the very best selections

Garden Seeds

(Vegetable and Flower), especially
**Kelway's Celebrated
English Strains**

can get them at lowest independent wholesale
rates by sending their orders direct to

KELWAY & SON
Wholesale Seed Growers
Langport, Somerset, England.
Special quotations on application.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.
Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

BULBS!

For Fall Planting and Forcing

Bulb stocks are getting scarce. If you have not already covered your requirements, we advise placing order without delay. We have good stocks of the following at present, which we offer as long as unsold. We can also supply many other varieties in more limited quantities. If anything not on list is wanted, write for prices.

HYACINTHS. Fine named, \$4.00 per 100. Best commercial sorts, viz., Gertrude, Gigantea, La Grandesse, La Peyrouse, King of the Blues, Grand Maitre, etc.

HYACINTHS. Separate colors—pink, white, blue. Single, \$2.50 per 100.

TULIPS. Single—Chrysolora, \$6.50 per 1000. La Reine, Rose Gris de lin and Thomas Moore, \$7.00; Yellow Prince, \$7.50; Keizerskroon, \$10.00; Couleuer Cardinal, \$16.00.

TULIPS. Darwin named, \$2.50 per 100. Very finest sorts. White Queen, Pres. Roosevelt, May Queen, Mrs. Stanely, Mme. Krelage, Gretchen, Flambeau, Europe, Bartigon, Barronne de la Tonnaye, The Sultan, etc.

TULIPS. May—flowering or Cottage—Gesneriana Spathulata and Picotee, \$11.00 per 1000; Bizards, Byblooms and Golden Crown, \$7.50 per 1000; Parrots, mixed, \$7.00 per 1000.

TULIPS. Double—Couronne d'Or, \$14.00 per 1000; Murillo, Rubra Maxima, \$8.50; Tournesol, Red and and Yellow, \$17.00.

NARCISSUS. Paper White Grandiflora, 13 c-m bulbs, 1.250 to the case, \$8.50 per 1000; 14 c-m., 1000 to the case, \$10.50.

NARCISSUS. Bicolor Victoria, \$12.00 per 1000.

FREESIAs. French, mammoth bulbs, \$9.00 per 1000; Purity, \$15.00.

SPIREA. Gladstone, case of 100 clumps, \$8.00; Queen Alexandra, case of 100 clumps, \$11.00.

LILIUM, Giganteum. 7-9 in. bulbs, case lot of 300 bulbs, \$16.50 per case; Multiflorum, 9-10 inch bulbs, case lot of 200 bulbs, \$17.00 per case.

CROCUS. Named, \$6.00 per 1,000.

SNOWDROPS. Single and Giant' \$5.00 per 1,000.

GLADIOLUS. Colvilli Alba, The Bride, Blushing Bride, \$5.50 per 1,000; Peach Blossom, \$9.00.

SPANISH IRIS. Named, \$5.00 per 1000; mixed, \$3.00

250 at Thousand Rates.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

Lily of the Valley from Cold Storage

Bruns' Chicago Market Brand, the best Valley in existence, \$2.00 per 100; \$18.00 per 1000.

Florists' Money Maker, fine Valley to grow all the year around, \$1.80 per 100; \$16.00 per 1000.

H. N. Bruns, 3032-3042 Madison St., Chicago

Mention the American Florist when writing

Cannas and Dahlias

Undivided Field Clumps at bargain prices. See Classified Department.

Wagner Park Conservatories, Sidney, O.

Mention the American Florist when writing

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Mention the American Florist when writing

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Tenerife.

CHRIS. REUTER, New Orleans, La.

Mention the American Florist when writing

R. & M. GODINEAU,
SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.
Mention the American Florist when writing

Japanese Grown Callas Just Received

Write for Prices.
—Wholesale only.—

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.

MANN'S

Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany.

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Milcott Sts., **Baltimore, Md.**

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100. \$13.00
Rubrum, 9 in.-11 in. per 100. 9.00
" Melpomene, 9 in.-11 in. per 100. 9.50
Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.
Lady Campbell, No. 1 plants, \$25.00 per 100;
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON

342 West 14th St., New York.



Fall Bulbs Just a Few More Left.

The Bulbs we offer below are all of our Regular Importations (not auction
lots), in first class condition, and should give best possible results.

Freesias Per 1000
Purity (extra size).....\$15.00
" Mammoth..... 20.00

Narcissus (Single) Per 1000
Incomparable.....\$ 7.00
Sir Watkins..... 12.00
Incomparable Autocrat..... 10.00
Golden Spur..... 14.00

Narcissus (Double) Per 1000
Alba Plena Odorata.....\$ 5.50
Incomparable..... 8.00
Von Sion, First Size..... 10.00
Von Sion, XXX, Double Nose 20.00

Lilium Multiflorum Per 1000
6-8-inch (400 bulbs to case) ...\$30.00
7-9-inch (300 bulbs to case)..... 50.00

Gladiolus. Per 1000
Blushing Bride.....\$4.50
The Bride..... 5.00

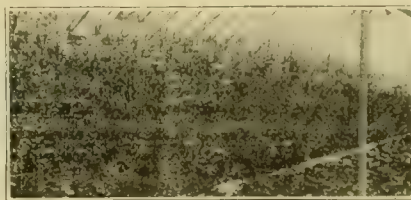
Darwin Tulips Per 1000
Gretchen\$10.00
Europe 13.50
Sultan 9.00
White Queen..... 18.00
Mixed 10.00

Vaughan's Seed Store,

Get Our "Book for Florists."

CHICAGO.

NEW YORK.



SILVER PINK

The great **SNAPDRAGON**, is a money maker for
Easter and Memorial. Sow now for big plants and
big profits. Guaranteed seed at \$1 per pkt., 3
pkts., \$2.50, cash. Seed are sure and will produce
better shaped plants than cuttings at 1/4th the cost.

G. S. RAMSBURG,

SOMERSWORTH, N. H.

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO
Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
Whitman. A better commercial fern; 2 1/2 in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

PANSY SEED

Giant Strain, Home-Grown,
50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.
Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.
Mention the American Florist when writing

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan
and Wisconsin. **MILFORD, CONN.**

Mention the American Florist when writing

'MUM STOCK PLANTS

Early Yellow—Chrysolora.

Per doz., \$3.00; per 100, \$15.00.

Early Yellow—Crocus.

Per doz., \$2.00; per 100, \$10.00.

**Early White—Smith's
Advance.**

Per doz., \$2.00; per 100, \$10.00.

Early Pink—Unaka.

Per doz., \$2.00; per 100, \$10.00.

Bassett & Washburn
HINSDALE, ILL.

Mention the American Florist when writing

SPECIALTIES

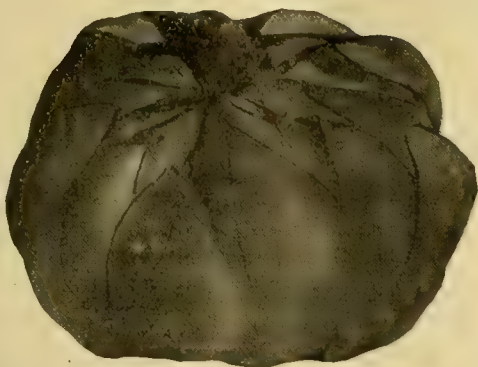
Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing



Now Ready

Lilium Giganteum

Our bulbs are from the best fields in Japan.

Fully Ripened Expert English Grading

All crescent-shaped, mis-formed and Undersized Bulbs are Left Out.

Order Now for Present and for Storage Delivery

Vaughan's Seed Store
CHICAGO **NEW YORK**

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

J.C. Robinson Seed Co.
 WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

Mention the American Florist when writing

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
 Pansies, Forget-Me-Nots, Daisies (Bellis Perennis), Asters, Stocks, Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

BERLIN VALLEY PIPS.

High grade quality from New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.
 The Import House

17 Murray Street, NEW YORK

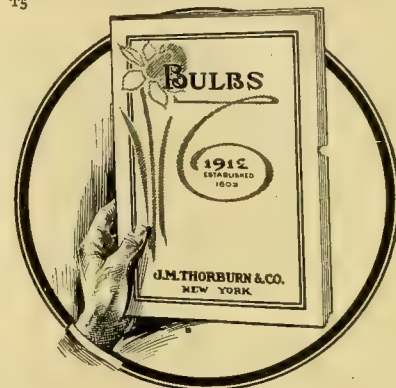
Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
 1876 Milwaukee Ave., CHICAGO

The Early Advertisement Gets There.

T5



HAVE you our Bulb Catalog? If not be sure to ask for "the Florists edition," when writing.

We have one or two cases of Lillium Harrisii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7 at \$5.50. For prompt shipment.

J. M. THORBURN & CO.
 110 years in business in New York City
 33 Barclay Street, New York

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
 Correspondence Solicited.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, November 4.—Mushrooms, 35 cents to 50 cents per pound; lettuce, 8 cents to 10 cents, small cases; cucumbers, 60 cents to \$1.75 per case of two dozen.

New York, November 2.—Cucumbers, 90 cents to \$1 per dozen; mushrooms, \$1 to \$2.50 per basket; tomatoes, 5 cents to 10 cents per pound.

Growing Lettuce.

ED. AMERICAN FLORIST:

As I am a beginner in growing lettuce in greenhouses I would be pleased to have your advice as to what kind to grow. Also how should the soil be prepared, how much manure should it contain, and what kind? In fact, I wish to know everything from beginning to finish.

W. T.

Ohio.

In the central and western states mostly leaf lettuce is produced under glass. The proper variety for this purpose is Grand Rapids. It stands up better under heat than other kinds and is now practically the only kind used. Years ago there was a general impression that any old house would grow lettuce, but nowadays with close competition the house is of first importance. It cannot be too good. We need just as good houses for lettuce as for cut flowers to get the best results. The ground used is of minor importance as such a small area as is used in greenhouses can be readily built up to meet requirements. Thus if local land is too heavy sand can be added, or if too sandy some loam or clay may be brought in. The main thing is humus, however. Lettuce requires plenty of it and manure is the proper source. We have always had excellent results from the use of horse manure partly decomposed. On new ground we have used as much as one-third of such manure without harm, and later, after the lettuce was well under way, we added chemical fertilizers besides.

The main points in lettuce culture are good plants, plenty of food and water, a low temperature and fresh air. We will treat the production of plants in a separate article in a later issue. Nothing is gained by high temperatures in spite of much argument in favor of heat. We have always found a low night temperature desirable, this being more important than the day temperature. The night temperature determines the body. Thus, 48° produces a much better lettuce than 55°. We believe in a good use of temperature in sunny weather, up to 75° or 80° with air on. In dark weather 60° is ample with some ventilation and heat. Fully nine-tenths of all lettuce troubles arise from faulty ventilation. The rule is air or heat—closed houses and no heat should not be tolerated. Whenever the outside temperature drops to a point compelling

closing of ventilation heat must be turned on, and in cloudy weather it often pays to fire with ventilators well open to circulate the air.

Grand Rapids lettuce is almost universally planted 8 x 8 inches. A few growers plant 6 x 8 inches, and others 6 x 6, depending on the market. The first spacing gives greatest weight in pounds while the last is often desirable if sales are made by the dozen. Mechanical watering is very successful with this crop. Where solid beds are used and soil is of good depth it pays to put on most of the moisture before planting. We have produced some of the best crops that way—never watering after planting. This treatment prevents many maladies in winter.

We find most successful lettuce growers operate on sandy soils, which is a hint as to requirements. Some of these soils if separated would contain very close to one-third of their bulk of sand and gravel. If we could produce a soil approximately one-third sand and gravel, one-third loam and clay and one-third humus in the form of old manure we should be able to produce fine lettuce.

THE MARKETMAN.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mention the American Florist when writing



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Field Grown Carnation Plants.

Harlowarden, Lady Bountiful, Sangamo, Windsor, \$45.00 per 1000.

Enchantress, White Enchantress, Mrs. Ward, Dorothy Gordon, White Wonder, \$60.00 per 1000. O. P. Bassett, and Beacon, \$50.00 per 1000.

One Thousand Lady Campbell Violet Plants, \$6.00 per 100 or \$50.00 per 1000.

CHRYSANTHEMUM STOCK PLANTS.

Smith Advance, 75c per doz., \$4.00 per 100. Mrs. David Symes, Unaka, (Pink), Chrysolora, (Yellow), \$1.00 per dozen.

ELI CROSS, : Grand Rapids, Mich.

PRIMROSES

	Per 100	Per 1000
Chinensis, Malacoides, Obconica, Alba, Rosea.....	\$1 50	\$15 00
Gigantea—All from 2 1/4 pots.....	2 00	.....
Asp. Plumosus, 2 1/4 pots.....	2 00	18 00
" Sprengeri.....	2 00	15 00
" Plumosus Seedling.....	1 00	7 50
" Sprengeri.....	1 00	6 00
Vinca Variegata field plants Cut back.....	5 00	.....
Fancy Plants, Giant flowering....	.....	2 50

CASH

Jos. H. Cunningham
Delaware, Ohio

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

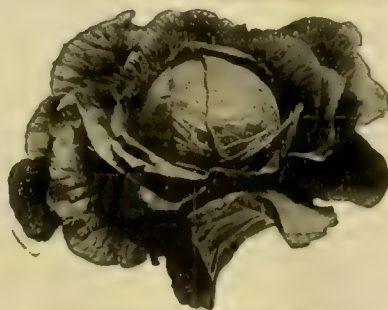
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per 1/4 oz., \$1 per 1/2 oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.



Copenhagen Market Cabbage

Prices and Descriptive List on Application.

Lochner & Co., 11 Warren St., New York.

Sole agents for the U. S. and Canada.

Mrs. Geo. Shawyer

is the name of the New Pink Rose we have been exhibiting as No. 190, and which has jumped at one bound into premier position as the best forcing Rose in sight today. Look it over in the Flower Shows!! Come up and see it growing—and convince yourself.

Carnations

Commodore, Northport, Salmon Queen and Enchantress Supreme.
All splendid varieties in their respective colors.

Chrysanthemums

Yes! Our usual list of Wells-Pockett Novelties, also a list of Novelty Singles, such as Josephine, Joan Edwards, etc., etc.

CHAS. H. TOTTY, Madison, N. J.

THE OHIO HORTICULTURAL SOCIETY

First Grand Flower Show

November 14th, 15th, 16th.

\$4,000 Premium List.

**15 Special Prizes.
Silver Cups and Medals.**

All the Novelties in

Roses, Carnations, Chrysanthemums

Come and See Them

If you have not received premium list write to

John N. Stockwell, Sec'y., CLEVELAND, O.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

VACAVILLE, CALIF.—A. J. Cook, state horticultural commissioner, called a meeting of fruit growers here October 21.

MONROE, MICH.—The Mutual Nurseries Co. of this place has filed articles of incorporation at the state capital. The capital is placed at \$50,000.

MUSCATINE, IA.—Wesley Greene, secretary of the Iowa Horticultural Society, reports that his state yielded only a fifteen percent crop this year.

VALLEY CITY, N. D.—The Northwest Nursery Co. has acquired a tract of land containing 274 acres which will be set out in young stock next spring.

PORTERSVILLE, CALIF.—A. G. Shultz, county horticultural commissioner, is busy filling orders for the lace-wing fly, an enemy of the soft brown scale which attacks both citrus and deciduous trees.

LOS ANGELES, CALIF.—The Gibraltar Investment Co., which already owns thirty nurseries in southern California, has purchased a 210-acre tract at Hemet. The firm's largest nursery will be established there.

WASHINGTON, D. C.—Tropical fruits will be grown by the government in the new greenhouse on the grounds of the Department of Agriculture. Among the many other varieties are the pomelo, the breadfruit, the guavo and the mangosteen.

POCATELLO, IDA.—Seventy thousand young Douglas fir trees, raised from the seed at the government's nursery, have been planted on the hills near here. Since the establishment of the Mint Creek nursery nearly a million young forest trees have been transplanted and the greater number of them are thriving.

Christmas Tree Embargo.

Washington, D. C., October 31.—Preliminary to a proclamation quarantining portions of the New England states against the shipment of Christmas trees, railroad ties, telephone poles, plants and other products, on account of the gypsy and brown tail moth ravages, the Federal Horticultural Board heard the protests of 30 representatives of New England horticultural interests. It was stated today their objections will be thoroughly considered.

Death of Joshua I. Maxwell.

Joshua I. Maxwell, of Geneva, N. Y., one of the founders of the nursery industry that has made his community famous, died October 23 at the age of 88. Mr. Maxwell entered the nursery business in 1852 with his brother, who had begun four years earlier. There were but two nursery firms in Geneva at the time and the plantings of the two did not exceed ten acres. When the Maxwells retired in the eighties they were planting more than 1,000 acres. Mr. Maxwell was interested in many business enterprises in his home town and donated large sums to charity.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,
Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320;
3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.



THE HERALD

Always The Best

STOCK READY JANUARY 1, 1913.

\$12.00 per 100; \$100.00 per 1000.

CHICAGO CARNATION CO.,

30 East Randolph St., Chicago, Ill.

FIELD GROWN CARNATIONS

Brooklyn.

(THE IMPROVED SCOTT.)

\$12.00 per 100; \$100.00 per 1,000.

White Enchantress,
Winsor, Lawson and
Sangamo.

\$7.00 per 100; \$60.00 per 1,000.

CHAS. H. TOTTY, Madison, N.J.

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprenger, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

Vaughan's Specials



For years this trade-
mark has stood for the
best in Seeds, Bulbs
and Plants.

ARAUCAIAR.

Size pots.	Height.	Whorls.	Each.	Doz.
4-in.	8-10 in.	2-3	\$0.50	\$ 5.50
5-in.	12-14 in.	3-4	.75	8.00
Excelsa Glauca.				
5-in.	10-12 in.	2-3	.75	8.00
Robusta Compacta.				
6-in.	12 in.	3-4	1.25	14.00
6-in.	14-16 in.	4	2.00	22.00

ASPARAGUS.

	Each	Doz.	100	1000
Hatcheri	\$0.15	\$1.00	\$7.00	\$65.00
Plumosus Nanus and Sprenger.				
		Doz.	100	1000
Seedlings			\$0.85	\$ 6.10
2-in. pots			\$0.50	3.00
2 1/4-in. pots			.60	4.00

ASPIDISTRAS.

5 and 6 in. pots.	
Green-leaved	10c per leaf
Variegated	15c per leaf

Begonia Glory of Cincinnati, 4-in. pots, each,
65c; doz., \$6.50; per 100, \$50.00.
Cyclamen, Vaughan's Giant Flowered, 4-in.
pots, each, 40c; doz., \$4.00; per 100, \$30.00.
Deutzia Gracilis, home-grown pot plants for
forcing, 70-80 flowering branches, 8-in., each,
30c; doz., \$3.00; per 100, \$20.00.
Dracaenas, Bruntal, Lindeni, Massangeana,
Striata and Terminalis, in the best sizes for
floral work. Ask about them.
PALMS. In Kentias, Belmoreana and Forster-
iana, Phoenix Canariensis and Roebeleni, we
have some excellent stock. Ask for prices
on sizes to suit.

FERNS—Extra Choice Stock.

	Each	Doz.	100
Boston, 2 1/2-in.	\$0.10	\$ 0.75	\$ 5.00
" 6-in.	.75	8.00	60.00
" 8-in.	1.25	14.00	
Cibotium Schiedel, 7-in., each	\$2.00	\$2.00	\$2.50
Maiden Hair (Adiantum Hybridum), 3-in., each, 20c; doz., \$1.75; per 100, \$12.00.			
Small Ferns, assorted varieties, our selection, 2 1/4-in., doz., 50c; per 100, \$3.50; per 1000, \$32.50.			

CHICAGO
31-33 W. Randolph St. Vaughan's Seed Store,
Greenhouses and Nurseries, Western Springs, Ill.



ASPARAGUS PLUMOSUS NANUS.

HYDRANGEAS for Forcing.

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best
on the market. A trial will convince.

Avalanche. Pure white.
Mme. Emile Mouilliere. White crimped
flowers.

Mme. Maurice Hamar. Flesh pink.
Any above, 3-4 flowering shoots,
each, 75c; doz., \$8.00.

Otaksa. 3-4 flowering shoots, each, 40c; doz.,
\$5.00; per 100, \$40.00. 5-6 flowering shoots,
each, 75c; doz., \$8.00; per 100, \$65.00.

Souv. de Mme. Chantard. Early dark pink,
3-4 flowering shoots, each, 85c; doz., \$9.00;
per 100, \$70.00.

PANSY Seedlings, to transplant, per 100, 90c;
per 1000, \$7.00.

PELARGONIUM Mrs. Loyal, 2 1/4-in., doz.,
\$1.25; per 100, \$8.00.

PRIMULA Malacoides (The Improved Baby
Primrose), 2-in., doz., \$0.75; per 100, \$4.00
3-in., doz., 1.00; per 100, 7.00

Robert Craig Co...

High
Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

FERN S.

Boston, Whitmani and Scholzell
from bench, 10 and 15 cents, now
ready for 5 and 6 inch pots. 5 and
6 inch Boston and Scholzell grown
in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Florists, Look! Prosperity! Prosperity!

PROSPERITY! Election is now over. The country is settled. Therefore
Prepare for Thanksgiving and the Holidays.

Godfrey Aschmann elected with big majority. At last prosperity has arrived. Stock up your greenhouses now with the best for the holidays. Turn your pennies into dollars.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5 1/4 to 5 1/2 in. pots, 2-3 years old, 3-4 tiers, 14-15-16 in. high, 40c to 50c; 5 1/2 to 6 in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6 in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6 in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7 in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glaucia and Robusta Compacta, April, 1911.

importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6 in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6 in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 6 in., 26 to 28 in. high, 75c to \$1.00.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4 in., 25c; 5 1/2 in., 50c.

Kentia Forsteriana, 4 1/4 to 5 in. pots, 20 to 24 in. high, 30c to 40c.

Kentia Forsteriana, 5 1/2 to 6 in. pots, 25 to 28 in. high, 50c to 60c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana, 6 in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.

Areca Lutescens Palms, made up of 3 plants, 4 in., 20c to 25c; 5 1/4 in., made up of 3 plants, 35c.

Aspidistras, variegated, 6 in. pots, 15c per leaf; green, 6 in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Cocos Weddelliana Palms, single, 3 in. pots, 15c, 18c and 20c.

Corpha Australis Palms, 5 in. pots, 20 in. high, 35c.

Asparagus Plumosus and Sprengeri, large 4 in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/4 in., \$3.00 per 100; 5 1/4 in., large, 35c to 40c.

Asparagus Sprengeri, 2 1/2 in., \$3.00 per 100.

Poinsettias, 4 in., 20c to 25c; 5 1/4 in., 35c to 40c.

Large 6 in. pans, Azalea pots, filled with Asparagus Plumosus or Wilsoni Ferns or Alba Linata, with a Poinsettia in center, potted six weeks ago, now large and fine, 50c per pan.

Begonias Gloire de Lorraine and Lonsdale, pink, 5 1/2 to 6 in. pots, 50c, 75c to \$1.00.

Glory of Cincinnati, 5, 5 1/2 to 6 in. pots, 50c, 75c, \$1.00, \$1.25 to \$1.50.

Begonia Gloire de Lorraine, 3 in., 12c to 15c.

Our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4 in., 15c to 20c.

Cineraria Hybrida, our well-known superior strain which created a sensation last Easter, 2 in., \$5.00 per 100.

WHEN THE VOTE WAS COUNTED.

When they counted the vote, there could be no mistake.

Godfrey Aschmann was head of the poll; The Bull Moose was nowhere, and Debs was a fake. While Taft was left in a hole.

Not one of the lot knew how to pot

Up a plant in the way it should grow.

The contest was hot. Who said it was not?

No one else else had the ghost of a show.

Aschmann showed us his charms; then back to their farms

His competitors scurried in haste.

His Araucarias, Ferns, Azaleas and Palms

Appealed to all who had taste.

Said the Florists all round, no better are found.

We're for Aschmann down to our last cent:

With volumes of sound, to his houses they're bound.

To stock up with the best their intent:

And they sing as they go: "Our old friend is not slow;

He's on top of the heap, all his rivals below."

Ferns.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three hucses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old, dark houses bring fungus and make spindly plants.

Neph. Giatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4 in., 20c; 5 1/2 to 6 in. pots, 30c, 35c, 40c and 50c; 7 in., 75c.

Neph. Scottii, 4 in., 20c; 5 in., 35c; 5 1/2 to 6 in., 40c to 50c; 7 in., 75c.

Boston, 7 in., 75c; 5 1/2 to 6 in., 40c to 50c; 5 in., 35c; 4 in., 20c.

Neph. Elegantiissima Compacta, 6 in., 50c.

Neph. Scholzei, 6 in., 50c; 4 in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, large 4 in., bushy, 15c; 5 in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2 1/2 in. **Dish Ferns**, now ready, \$4.00 per 100.

6 in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6 in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c.

Look! only 25c per pan for three big plants.

Ficus Elastica, Belgium or American stock, 5-5 1/2 in., 30c, 35c to 40c; 6 in., 50c; 7 in., 75c.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 3 1/2-6-7 in. pots, 25c, 35c, 50c.

Primula Obconica Grandiflora, good strain, assorted, 4 in., \$4.00 per 100; 5 1/2 in., \$2.50 per doz.

Primula Chinsensis, John F. Rupp strain, assorted, 4 in., \$10.00 per 100; 5 1/2 in., only \$2.50 per doz.

AZALEAS.

Our new importation of **Azaleas** are all in and unpacked. Never in our life have we received a better and finer selection of **Azaleas** than this fall. All of them have original foliage and are well budded.

For Christmas Forcing.—If you want to be successful, lose no time and start now. Start the **Azaleas** in low temperature and increase the temperature gradually up to 60 degrees until they show color; then cool off gradually again. We have only the best well-known Christmas varieties, such as Deutsche Perle, white; Simon Mardner, pink; Mme. Petrick, new, pink; Pharilda Mathilda, variegated; Veraneana, variegated rose; Apollo, red. Prices: 50c, 75c, \$1.00, \$1.25 to \$1.50.

For Easter Blooming and for Easter we have the well-known American varieties, such as Mme Van der Cruysen, best pink; Paul Weber, De Schryveriana, John Llewellyn, Niobe (white), Apollo (red), and a few more good sorts. P. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. We sell our Azaleas for cash only, because there is no profit to be made in Azaleas.

Our **Mme. Petrick Azaleas** are round as an apple, 50c, 75c, \$1.00, \$1.25 to \$1.50; covered with buds; a child can force them; best pink; earliest of all.

All other varieties are covered with buds.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

Daisies, Sanderl, pure white, everlasting bloomer, very valuable for cut flowers, 2 1/2 in., \$5.00 per 100.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2 in. pots, strong, \$4.00 per 100; 3 in., \$6.00 per 100.

Jerusalem Cherries (Solanum), 6 in., 25c, 35c, 50c.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

TESTIMONIAL.

When You Buy, It Pays to Buy Good Stock.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912.

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices, Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

One of the Recent Testimonials.

Saskatchewan Greenhouses,

E. J. Coster, Proprietor.

(P. O. Box 75), Prince Albert, Sask., Canada. Your shipment of Oct. 23rd arrived in first-class shape, and I beg to say I never bought such good ferns at the price in my life, and I have been buying them for over sixteen years. Now I am coming back to you for more stock if you use me as well as you have done this time.

Yours truly, E. J. COSTER.

Amount of order for ferns, \$33.60.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Philadelphia, Pa.

GLADIOLUS

	Per 100	Per 1000
BLUSHING BRIDE, - -	\$0.75	\$6.00
THE BRIDE, - - -	0.75	6.00
PEACH BLOSSOM, - -	1.10	9.00

A. HENDERSON & CO.

352 N. Michigan Ave., CHICAGO.

Mention the American Florist when writing

CARNATIONS

F. Dorner & Sons Co.,
LaFayette, - - Indiana.

J. D. Thompson Carnation Co.

Carnation Specialists
JOLIET, ILL.

FIELD-GROWN

Carnation Plants

Extra large plants that have been carefully pinched back, having 4 to 8 branches.

VARIETIES—O. P. Bassett, White Enchantress and Enchantress.

PRICE: \$5.00 per 100. Not less than 100 shipped at this price.

BASSETT & WASHBURN
HINSDALE, ILL.

PLANT PEONIES FOR PROFIT!

Best Decoration Day Flower. Our list includes the best for cutting.

Filling Orders NOW.

HERE ARE SOME OF THE BEST ONES:

	Per 100		Per 100
Camille Calot , light rose.....	\$ 10.00	Laius , outer petals white, inner sulphur, changing to white; medium size.....	12.00
Carnea Striata , pale flesh, shading to almost pure white.....	9.00	La Tulipe , late; very large, full, shell-formed blooms, borne on long, erect stems; delicate rose, fading to creamy white; one of the best.....	20.00
Charlemagne , creamy white, center light lilac, flesh shaded with chamois, late.....	20.00	La Sublime , crimson; fine, full, fragrant.....	8.00
Clarissa , rosy pink; inner petals sulphur.....	6.00	Livingstone , (true Crouse variety), soft rosy pink, silvery reflex, strong, long stems; best late pink.....	40.00
Comte de Diesbach , dark red; early.....	8.00	Louis Van Houtte , (Delache), fine dark crimson; very double; strong.....	12.00
Comte de Jussier , outer petals pink, inner yellowish.....	8.00	Meissonier , reddish purple, crimson center.....	40.00
Comte de Nanteuil , very large and full; dark rose.....	8.00	Monsieur Barral , soft, clear pink; large and full; long stems.....	10.00
Comte de Niepperg , dark rose pink; large bloom.....	10.00	Monsieur Dupont , very large; ivory-white with carmine border in center petals; attractive; late midseason.....	20.00
Comte d' Osmond , white with sulphurish center.....	15.00	Mlle Rene Dessert , in clusters, soft lilac with silvery-violet reflex.....	20.00
Couronne d' Or , immense; very full, imbricated, ball shaped bloom; snowy white with yellowish stamens; fragrant; perfect as a cut flower sort; very late, coming in after all other long stemmed whites are gone.....	15.00	Madame Crouse , one of the best whites; midseason.....	20.00
Delachei , deep crimson-purple; one of the best dark peonies; late midseason.....	10.00	Madame Lebon , bright, cherry pink.....	10.00
Dortens Coros , bright pink.....	6.00	Madame Rose Rendatler , delicate rose.....	8.00
Duchesse de Nemours , the Calot variety, cup-shaped, sulphur-white; late, and one of the best whites.....	20.00	Nigricans , very late, brilliant, purplish-crimson.....	20.00
Duke of Wellington , flowers fragrant, sulphur-white; large and well formed; strong grower; stems long and firm; late midseason.....	20.00	Nobilissima , bright, deep pink; good stems, lasts wonderfully.....	20.00
Felix Crouse , brilliant, flaming red; far and away the best red; the popular color with florists; late midseason.....	25.00	Officialis Mutabilis Alba , earliest white.....	15.00
Festiva Maxima , the ideal early white for floral work; a well-nigh perfect peony.....	15.00	Officialis Rubra Pleno , the well known, very early, double crimson.....	15.00
Floral Treasure , rich, soft pink.....	15.00	Palmata , cut-leaved; single scarlet; earliest.....	25.00
Francois Ortegat , semi-double; large purplish-crimson bloom, with brilliant golden yellow anthers; very striking.....	8.00	Papaviflora , guard petals pure white; others yellowish; excellent.....	15.00
Gen. Cavaignac , lively lilac-pink, shaded clearer pink.....	6.00	Phryne , bluish white.....	8.00
Gloire de Douai , purplish scarlet-crimson with black reflex; late.....	8.00	Prince Imperial , brilliant purplish-scarlet; free bloomer; fine for massing in landscape work.....	12.00
Golden Harvest , very large blooms, bluish guard petals; creamy-white center; midseason; one of the freest bloomers.....	15.00	Prolifera Tricolor , soft flesh, with center of golden yellow.....	8.00
Grandiflora Rosea , light rose; outer petals very large, inner smaller and bunched; vigorous grower.....	8.00	Queen Victoria , (Whitley), there are two well known varieties of this name. This is the standard pure white market variety for storage.....	10.00
Lady Bramwell , silvery pink; late midseason.....	10.00	Richardson's Dorchester , salmon pink, one of the very best late ones.....	25.00
		Rosea Superba , brilliant, deep cerise-pink, blooms compact and perfectly formed; healthy growth; long stems; keeps well; late midseason.....	25.00
		Rosea Plena Superba , very full flower; delicate pink and salmon.....	8.00

JACKSON & PERKINS CO., - **Newark, New York.**
Growers of "The Preferred Stock"

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.

BALTIMORE, MD.

Mention the American Florist when writing

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Mention the American Florist when writing

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Mention the American Florist when writing

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

POT PLANTS

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs. Prices on application.

SPECIAL—Boston and Whitman Ferns. A large and fine stock.

6 inch 50c each, \$45.00 per 100. 7 inch 75c each, \$70.00 per 100.
8 " \$1.00 " 10.00 per doz. 10 inch \$2.50 each, 12 inch, \$3.50.

Special prices on larger lots.

SPECIAL. For a short time only, in order to make room, we offer a large stock of extra fine Table Ferns. \$3.00 per 100; 12 varieties, \$25.00 per 1000; 500 at 1000 rate.

Cibotium Schiedei, strong, 6 inch \$1.50 each.

Pandanus Veitchi, a large stock of finely colored plants.

5 inch, \$1.00 each; 6 inch, \$1.50 each; 7 inch, \$2.00 to \$2.50 each.

SPECIAL. Extra strong Rubbers, 6 inch, 50c to 75c each.

Ficus Pandurata. 6 in., 3 ft. high, \$3.50 each; 7 in., 5 ft. high, \$4.50 each.

Dracaena Terminalis, finely colored.

4 inch, 25c each, \$2.50 per doz.; 5 inch, 50c each, \$5.00 per doz.

SPECIAL. Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c each, \$5.00 per doz. 4 to 5 tiers 75c to \$1.00 ea.

Asparagus Plumosus, 4 inch, strong, \$10.00 per 100.

Phoenix Roebelini, strong 3 inch, short and bushy, just the thing for the centre of fern dishes. 25c each, \$2.50 per doz.

SPECIAL. Christmas and New Cluster Peppers.

4 inch \$1.50 per doz. 5 inch \$2.50 to \$4.00 per doz.

We have a large quantity of blooming plants for the holiday trade now ready for shipment. Let us have your orders before cold weather sets in. Send orders direct to Morton Grove.

Primula Obconica, in bloom, best Grandiflora and Gigantea strains.

4 inch, \$1.50 per doz. 5 inch, \$2.50 to \$4.00 per doz.

Begonia Glory of Cincinnati, in bloom.

6 inch pots, 75c to \$1.00 each. 7 inch, \$1.00 to \$1.25 each.

Cyclamen, in bud and bloom, extra fine stock.

6 inch pots, 75c each. 7 inch pots, \$1.00 each.

Send all Plant Orders Direct to

POEHLMANN BROS. CO.

PLANT DEPARTMENT

Morton Grove,

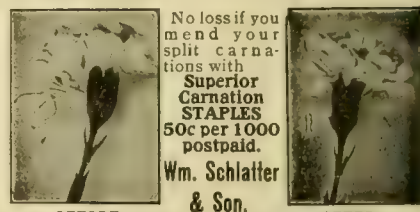
ILLINOIS

Index to Advertisers.

Addems, Morgan & Co.	923	Esperance L Nurs.	927	Mette Henry	928	Reid Edw.	914	Wagner Park Cons.	919	Wilson R G.	919
Advance Co. The	942	Eyres H G.	921	Meyer John C & Co.	918	Reinberg Geo.	913	Walker F A & Co.	925	Winandy M & Co.	934
Albany Cut Flower Ex.	917	Fish Henry Seed Co.	927	Michigan Cut Flower Exchange	918	Reinberg Peter	909	Ward & Co. R M.	11	Wittbold G Co.	919
Alpha Floral Co.	918	Florists' Hall Assn.	943	Miller E S.	925	Reuter Chris	925	Weeber & Don.	926	Wittbold Henry.	913
American Spawm Co.	929	Foley Mfg Co.	IV	Moninger J C Co.	IV	Rice Bros.	914	Weiland & Risch.	913	Wolfskill Bros & Morris Goldenson	921
American Wooden Ware Mfg Co.	III	Ford M C.	916	Montreal Floral Ex.	915	Rice & Co. M.	918	Welch Bros.	915	Wood Bro.	926
Amling E C Co.	913	Fottler, Fiske, Rawson Co.	II	Moore, Hentz & Nash	917	Robinson J C Seed Co	927	Western Seed & Irrigation Co.	926	Yokohama Nurs Co.	926
Anderson S A.	919	Franklin Davis Nursery Co.	933	Morehead Mfg Co.	944	Rock W L Co.	920	Wietor Bros.	908	Young A L & Co.	916
Andorra Nurseries.	930	Fraser Samuel.	930	Mt Gilead Pottery Co.	III	Rohrert Seed Co.	930	Wilks S Mfg Co.	941	Zeck & Mann.	913
Angermueller G H.	914	Freeman Mrs J B.	922	Munk Floral Co.	914	Routzahn Seed Co.	926	Williams Mrs E A.	922		
Applene Mfg Co.	940	Freeman & Sons S.	940	Murray Samuel.	920	Rusch G & Co.	914				
Aschmann Godfrey.	932	Froment H E.	917	Myers Florist.	922	Saakes O C.	921				
Atlanta Floral Co.	920	Galvin Thos F.	921	Nat Flo B of Trade.	942	Saltford Flower Shop	920				
Auburndale Gold Fish Co.	911	Garland G M.	941	N Y Cut Flower Ex.	917	Scheel F F.	904				
Austin H.	918	Gasser J M Co.	921	Niessen Leo Co.	615	Schilder Bros.	925				
Bader Jno & Co.	927	Geny Bros.	922	Northern Michigan Evergreen Nurs.	918	Schiller, the Florist.	922				
Badgley Reidel & Meyer, Inc.	917	Giblin & Co.	944	Oechslein Frank.	926	Schillo Adam.	944				
Barrows H H & Son	926	Gladioli Specialty Assn.	923	Ohio Hort Society.	929	Schlitz W & Son.	934				
Bassett & Washburn	932	Godineau R & M.	925	Oklahoma Seed Gro Co.	927	Schling Max.	922				
Bayersdorfer H.	943	Gorham & Chapline	940	Palethorpe P R Co.	111	Schmidt J C.	904				
Beaven E A.	918	Grand Rapids Flower Co.	921	Palmer W J & Son.	920	Schultz Jacob.	920				
Benard G.	930	Gude Bros.	920	Park Floral Co.	920	Scott John.	904				
Berger Bros.	914	Hatcher, Florist.	925	Peacock Dahlia Fms	923	Seattle Cut Flo Ex.	915				
Berning H G.	914	Haven Seed Co The	925	Pedrick Geo & Son.	925	Shaffer Geo C.	921				
Berterman Bros Co.	920	Heacock Jos Co.	923	Pennock-Meehan Co.	917	Sharp Partridge & Co	941				
Black Chas.	926	Heinl John & Son.	919	Penn the Florist.	920	Sheridan W F.	917				
Bobbink & Atkins.	930	Henderson A & Co.	932	Peters & Reed Poty	111	Situation & Wants.	903				
Boddington A T.	926	Herr Albert M.	923	Peterson & Sons, J A	911	Skidelsky S S & Co.	926				
Bodger J & Sons Co.	927	Herrmann A.	944	Pierce F O Co.	944	Smith A W & Co.	921				
Boland J B Co.	919	Hess & Swoboda.	920	Pierson A N (Inc).	916	Smith E D & Co.	940				
Boligiano J & Sons.	926	Hesse & Co.	927	Pierson F R Co.	925	Smith & Hemenway	942				
Bowle M A.	921	Hews A H & Co.	111	Pieters & Wheeler Seed Co.	924	Smith Henry	921				
Brasian Seed Grow	924	Hilfinger Bros.	111	Pillsbury I L.	934	Smith Wm C.	914				
Breitmeyer's J Sons.	920	Hines E Lumber Co.	943	Pinkston Jas E.	918	Smith W & T Co.	1				
Brown Alfred J Seed Co.	924	Hitchings & Co.	939	Pittsburg Cut Flo Co	917	Stearns Lumber Co.	943				
Brown Bag Filling Machine Co.	925	Hoerber Bros.	913	Podesta & Baldocchi	921	Stoothoff H A Co.	940				
Bruns H N.	925	Hoffman Flo Artist.	921	Poehlmann Bros Co.	907	Storrs & Harrison.	930				
Buchbinder Bros.	943	Hoffmeister Flo Co.	915	Pollworth CCCo.	914	Superior Machine & Boiler Works.	939				
Buckbee H W.	922	Holm & Olson.	920	Pulverized Manure Co.	940	Syracuse Pottery Co	111				
Budlong J A.	906	Holton & Hunkel Co.	914	Quaker City Machine Works.	934	Taylor Steam Trap Co.	944				
Burnett Bros.	911	Home Cor School.	940	Raedlein Basket Co	910	Texas Seed & Flower Co.	919				
Burpee W A & Co.	926	Hooker H M Co.	940	Ramsburg.	910	Thompson Car Co.	932				
Byer Bros.	923	Hunt E H.	944	Randall A L Co.	913	Thorburn J M & Co	927				
Caldwell the Woodsman Co.	918	Hurff Edgar F.	927	Rawlings Elmer.	923	Tong & Weeks.	931				
California Seed Grow Assn.	924	Igoe Bros.	934	Ready Reference.	935	Totty Chas H.	919				
Camp Conduit Co.	943	Illinois Pipe Mfg Co.	940	Randolph & Mc Clements.	941	Trimble W E	913				
Chattahoochee Flo Co	918	International Heater Co.	943	Reed & Keller.	940	Greenhouse Co.	913				
Chicago Carn Co. I	931	Isbell S M & Co.	II	Regan Ptg House.	943	Valentine Frank.	919				
Chicago Flower Growers Assn.	911	Jackson & Perkins.	933			Vaughan A L & Co.	910				
Chicago House Wrecking Co.	941	Johnson J Oliver.	927			Vaughan's Seed Store	1 III				
Clark E B Seed Co.	926	Johnson WW & Son	911			Vestals.	922				
Clark's Sons David.	921	Jones Percy.	906			Vick's Sons Jas.	925				
Cleveland Cut Flower Co.	921	Kasting W F Co.	915			Vincent R Jr.	928				
Conard & Jones.	933	Keller Geo & Sons.	111			Virgin U J.	922				
Cooke Geo H.	919	Keller JB & Sons.	922								
Cotsonas Geo & Co.	918	Kellogg Geo M.	919								
Cowee W J.	944	Kelway & Son.	925								
Coy H C Seed Co.	926	Kennicott Bros.	912								
Craig Robt Co.	931	Kervan Co The.	917								
Critchell C E.	928	Kessler W A.	917								
Cross Eli.	920	Kift Robt.	921								
Crump Frank F.	920	Kimball O A Co.	918								
Cunningham Jos H.	921	King Construct Co.	939								
Daniels & Fisher.	921	Kohr A F.	111								
Dards Chas.	920	Kramer I N & Son.	943								
Day.	918	Kroeschell Bros Co.	939								
Deamud J B Co.	912	Kruchten John.	913								
Detroit Flower Pot Mty.	III	Kuehn C A.	914								
Dietsch A & Co.	IV	Kuhl Geo A.	923								
Diller Caskey & Keen.	94	Kyle & Foerster.	913								
Dillon J L.	933	LaCrosse Floral Co.	919								
Dingee & Conard Co.	931	Lager & Hurrell.	919								
Domoto Bros.	908	Lange A.	919								
Dorner F & Sons.	932	Landreth Seed Co.	11								
Dreer H A.	III	Law's Nurseries.	930								
Duerr Chas A.	922	Lecakes N L & Co.	917								
Dunlop John H.	921	Lederer John.	942								
Dwelle - Kaiser Co	941	Leadle Floral Co.	933								
The	941	Lelache Emil.	915								
Eagle Machine Wks	942	Leonard Seed Co.	925								
Edwards Folding Box.	934	Lochner & Co.	928								
Elk Galax & Fern Co.	918	McCallum Co.	915								
Emmans Geo M.	931	McConnell Alex.	919								
Erie Floral Co.	1	McCoy L W.	922								
Erne & Klingel.	912	McCullough's J M Sons Co.	915								
		McHutchinson & Co	927								
		McKellar Chas W.	913								
		McKenna P & Son.	921								
		Mangel.	919								
		Mann Otto.	926								
		Mastin J G & Co.	942								
		Matthews Florist.	921								
		May & Co L L.	919								
		Meconi Paul.	917								
		Metropolitan Mat Co	939								



Mention the American Florist when writing



Mention the American Florist when writing



Mention the American Florist when writing

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50.

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, Excelsa, 4-in. pots, 8-10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12-14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10-12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta Compacta, 6-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 6-in., 14-16 ins., 4 whorls, \$2 each; \$22 per doz. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucaria excelsa, 3 to 4 tiers, 50c each; \$5 per doz.; 4 to 5 tiers, 75c to \$1 each. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2½-in., \$2 per 100; \$18 per 1,000. Sprengeri, \$2 per 100; \$15 per 1,000. Plumosus seedlings, \$1 per 100; \$7.50 per 1,000. Sprengeri seedlings, \$1 per 100; \$6 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$3 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus, 2½-in., 2c; 3-in., 3c. Sprengeri, 2½-in., 1½c; 3-in., 2½c. Samuel Whitton, Utica, N. Y.

Asparagus plumosus and Sprengeri, 2½ in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$20 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf. Variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices, see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BALE TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Gloire Lorraine, 2½-in., \$12 per 100; 4-in., \$30 per 100; 5-in., \$40 per 100. Glory of Cincinnati, 3-in., \$25 per 100; 4-in., \$35 per 100; 5-in., \$60 to \$75 per 100. Rober & Radke, Maywood, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, in bloom, 6-in. pots, 75c to \$1 each; 7-in., \$1 to \$1.25. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Gloire Lorraine, 5-in., \$35 per 100. Erie Floral Co., Erie, Pa.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Gladioli, Blushing Bride, The Bride, 75c per 100; \$6 per 1,000. Peachblossom, \$1.10 per 100; \$9 per 1,000. A Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, callas, freesias, narcissus, hyacinths, oxalis, iris. For varieties and prices see advertisement elsewhere in this issue. James Vick's Sons, Rochester, N. Y.

Bulbs, lillium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs. Lillium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Gladioli Specialty Association, Old Point Comfort, Va.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Canna rhizomes, \$4 per 100; Dwarf Florence Vaughan, Chas. Henderson, Mlle. Berat, F. Vaughan, Allemania, Chicago, Alsace, Beaute Poitevine, Austria Express, mixed, \$3 per 100.

The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cannas, undivided field clumps, Cinnabar, cinnamon red; Sec. Chabanne, Salmon red; Robusta, bronze foliage; \$6 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$8 per 100. Mixed reds, Salmon, etc., \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

Cannas. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.
Strong, Sturdy, Healthy.
Per 100 Per 1,000
Enchantress \$6.00 \$55.00
Washington 6.00 55.00
White Lawson 4.00 35.00
Winsor 4.50 40.00
Victory 5.00 45.00
White Perfection 6.00 55.00
WIETOR BROS., Chicago.
162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.
Per 100 Per 1,000
500 Enchantress \$5.00 \$40.00
Washington 5.00 40.00
Beacon 5.00 40.00
White Enchantress 5.00 40.00
Dorothy Gordon 4.00 30.00
Sangamo 4.00 30.00
May Day 4.00 30.00
Cash With Order.
HENRY C. BLEWITT, Des Plaines, Ill.

Carnations, all plants guaranteed satisfactory, 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Carnations, Mrs. C. W. Ward, \$6 per 100. Erie Floral Co., Erie, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,

Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Carnations, field-grown, strong, bushy, fibrous roots, R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, field-grown, Brooklyn, \$12 per 100; \$100 per 1,000. White Enchantress, Winsor, Lawson and Sangamo, \$7 per 100; \$60 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Commodore, Northport, Salmon Queen, Enchantress Supreme. Chas. H. Totty, Madison, N. J.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations, A. M. Herr, Lancaster, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Wells-Pocket novelties, also list of novelty singles, such as Josephine, Jean Edwards, etc., etc. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Pompons, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Stock plants in all desirable varieties cheap. Write C. C. Pollworth Co., Milwaukee, Wis.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100; 3-in., \$3.50 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis Jackmani, 5-in., 35c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, A. M. Herr, Lancaster, Pa.

CYCLAMEN.

Cyclamen Giganteum, best English and German strains, 3-in., 8c to 10c; 4-in., 12c to 15c; 5-in., 25c to 35c; 6-in., 60c to 75c; strong plants in buds. August seedlings, \$3 per 100; \$25 per 1,000, in 12 varieties equally divided. Rober & Radke, Maywood, Ill.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen in bud and bloom, 6-in., 75c each; 7-in., \$1. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

Dahlia roots. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

DAHLIAS, undivided field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$4 per 100. Grand Duke Alexis, white; A. D. Livoni, pink; \$6 per 100. Black Beauty, maroon and mixed, all colors, \$3 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

DAISIES.

Daisies, Sanderi, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

DRACAENAS.

Dracena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracenas, Bruanti, Lindenl, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, home grown pot plants, for forcing, 7½ to 8½ flowering branches, 8-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; \$5 per 100; 6-in., 75c each; \$8 per doz.; \$60 per 100; 8-in., \$1.25 each; \$14 per doz. Cibotium Schiedel, 7-in., \$2 and \$2.50 each. Maiden Hair, 3-in., 20c each; \$1.75 per doz.; \$12 per 100. Small ferns, assorted, our selection, 2½-in., 50c per doz.; \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 2-in., \$3 per 100; 4-in., \$1.50 per doz.; 5-in., 25c each; \$3 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$9 per doz.; 8-in., \$1 each; \$12 per doz.; 9-in., \$1.50 each; \$18 per doz. Larger sizes, \$2, \$2.50 and up, each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston and Whitmanl, 6-in., 50c each; \$45 per 100; 7-in., 75c each; \$70 per 100; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 each. Table ferns, 12 vars., \$3 per 100; \$25 per 1,000. Cibotium Schiedel, 6-in., \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, 4-in. Boston, 10c each. Bench grown Roosevelt, ready for 4 and 5-in., 15c. Addams, Morgan & Co., Paxton, Ill.

Ferns, Boston, Whitmanl, Scholzell; from bench 10c and 15c; 5 and 6-in. Boston and Scholzell, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Cibotium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, assorted, \$3 per 100; 8-in., 25c each; \$3 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitmanl Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son Whitmanl, Mass.

Cibotium Schiedel, 6-8-in., \$1.50; \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Crownnum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 5-in., 25c; Whitmanl, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Ficus elastica, 4-in., 35c each; \$4 per doz.; 6-in., 50c each; \$6 per doz.; 7-in. branching, 75c and \$1 each. Ficus pandurata, 7-8-in., \$2.50 and \$3.50 each. Ficus repens, climbing, 2½-in., 50c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Rubber plants, 6-in., 50c to 75c each. Ficus Pandurata, 6-in., 3 ft. high, \$3.50 each; 7-in., 5 ft. high, \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5, 5½-in., 30c. 35c to 40c. 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhard, Wilmette, Ill. Freres, D. E., Chicago.

MME. SALLEROL.

Select, well rooted cuttings, \$1 per 100; \$9 per 1,000. Ready Nov. 20th.

EDW. DOEGE COMPANY, Chicago, Ill.

Geraniums, S. A. Nutt, R. C., \$1.50 per 100; \$12 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, rooted cuttings, Ricard and Polterine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard similar cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Dessert holly, crates 2x2x2½ ft., f. o. b., Armargosa, \$5. Sample, 50c and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-inch holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet green, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. O. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas, imported pot-grown stock, 6 to 7-in. pots, Avalanche, Mme. Emile Mouilliere, Mme. Maurice Hamar, 3-4 flowering shoots, 75c each; \$8 per doz. Otaksa, 3-4 shoots, 40c each; \$5 per doz.; \$40 per 100; 5-6 shoots, 75c each; \$8 per doz.; \$85 per 100. Souv. de Mme. Chantard, 3-4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pot, Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, pot-grown, 5½, 6, and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangeas for forcing, 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Rennison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley from cold storage, Bruns' Chicago Market Brand, the best valley in existence, \$2 per 100; \$18 per 1,000. Florists' Money Maker, fine valley to grow all the year around, \$1.80 per 100; \$16 per 1,000. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus utilis, 3-in., 15c each; \$1.50 per doz.; 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2 to \$2.50. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, \$1.50, \$3, \$4 and \$5 each. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Phoenix Roebeleni, 3-in., 25c each; \$2.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Palms in all sizes, from 4-in. to 12-in. tubs. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy plants. Oct. 1st. 50c per 100; \$2.50 per 1,000. Seed. giant flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Pansy seedlings to transplant, 90c per 100; \$7 per 1,000. Vaughan's Seed Store, Chicago and New York.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUM.

Pelargoniums, Mrs. Loyal, 2¼-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatesima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttel, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcosie, Mo.

Peonies. For varieties and prices see advertisement elsewhere in this issue. Jackson & Perkins Co., Newark, N. Y.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas and New Cluster Peppers, 4-in., \$1.50 per doz.; 5-in., \$2.50 to \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

PETUNIAS.

Select, well-rooted cuttings, DREER'S SNOW-BALL DOUBLE WHITE, \$1 per 100. Ready Nov. 20th.

EDW. DOEGE CO.,

4344 N. Springfield Ave., Chicago, Ill.

Petunias, double, 10 kinds, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 8c; 4-in., 12c to 15c; 5-in., made-up pans, 35c to 50c; 6-in., made-up, 75c. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$0 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primulas, 3-in., \$4 per 100. Chinese, 3-in., \$4 per 100. Malacoides, the big baby primula, 3-in., \$4 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese and Obconica, 2¼-in., 1½c; 3-in., 2½c; 4-in., 6c. Samuel Whitton, Utica, N. Y.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinenis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, 4-in., \$1.50 per doz.; 5-in., \$2.50 to \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primula Chinenis, 4-in., \$1.50 per doz.; 5-in., \$3 per doz.; Obconica, 4-in., \$1.25 per doz.; \$8 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Primula Obconica, new giants, extra strong, ready for 4-in. pots, \$4 per 100. Cash. John F. Rupp, Shiremanstown, Pa.

Primula Malacoides, 2-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Malacoides, Obconica, Alba, rosea, \$1.50 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, Sunburst, 3-in., \$30 per 100. Pink Killarney, My Maryland, White Killarney and Melody, 3-in., \$8 per 100. Pink Killarney, 4-in., \$10 per 100. Lady Hillingdon, 4-in., \$15 per 100. Chas. H. Totty, Madison, N. J.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschendorf, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Rose Milady. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, Mrs. Geo. Shawyer, Chas. H. Totty, Madison, N. J.

Rose Lady Hillingdon, 2¼-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, glloxinas, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early Spring sales.

Pkts. Pkts.
Begonia Bedding Queen, finest Pink \$2.50 \$0.50
Begonia Gracilis luminosa, fin't red 2.50 .50
Begonia Triumph, finest white..... 2.50 .50
O. V. Zangen, Hoboken, N. J.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, cauliflower, cabbage and root seeds, Hjalmar Hartmann & Co., Copenhagen, Denmark. Loechner & Co., 11 Warren St., New York, sole agent for U. S. and Canada.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, vegetable and flower, Kelway's English strains. Kelway & Son, Langport, Somerset, England.

Seeds, Silver Pink Snapdragon, \$1 per pkt., 3 pkts., \$2.50. G. S. Ramsburg, Somersworth, N. H.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover. Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brasil Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2 1/4 in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGON.

Snapdragons, giant white, red, yellow and pink, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnæus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca variegated, rooted tips, \$1 per 100; \$3 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants, cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown, clumps, \$7 per 100. The Storrs & Harrison Co., Palmsville, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cold frames, botbed sash. Hitchings & Co., 1170 Broadway, N. Y.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress botbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

Fertile. 10 lbs., \$3; 25 lbs., \$6; 50 lbs., \$10; sample pkts., 1/2 lb., mailed, 30c; 1 lb., 50c. Elmer D. Smith & Co., Adrian, Mich.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Anburdale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152. Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5938 Penn Ave., near Highland, East End, Pittsburg, Pa.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Dennison distinctive tags for the holiday season. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Nicotinide Bug Killer. P. R. Paethorpe Co., Clarksville, Tenn.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-88 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago, Ill.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.

Amling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Reidel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Domoto Bros., San Francisco, Calif.

Froment, H. E., New York.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Montreal Floral Exchange, Ltd., Montreal, P. Q.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust., Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Poehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Reid, Edward, Philadelphia, Pa.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Tanner, O. A., Chicago.

Totty, Chas. H., Madison, N. J.

Welland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wietor Bros., Chicago.

Witthold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

An Improved Pipe Hanger.

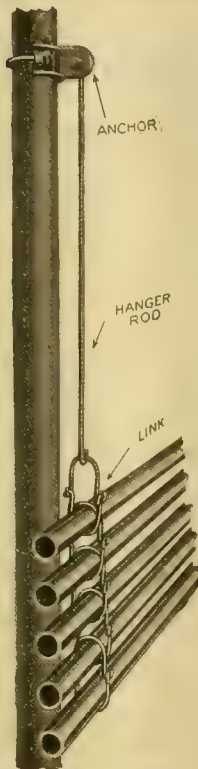
Allows for expansion of individual pipe as well as the whole coil.

Write for Prices.

King Construction Company

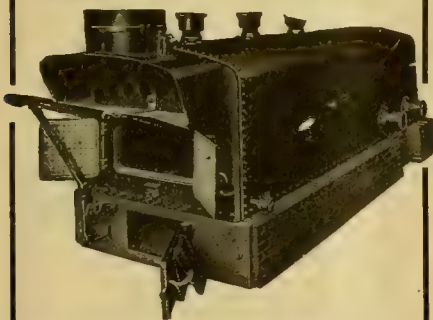
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway.
BOSTON: 410 Winthrop Building.



KROESCHELL BOILER

SEND FOR CATALOGUE



KROESCHELL BROS. CO.,
452 W. Erie St., Chicago, Ill.

METROPOLITAN MATERIAL CO.

PATENTED

Greenhouse Boilers and Construction Material

Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.

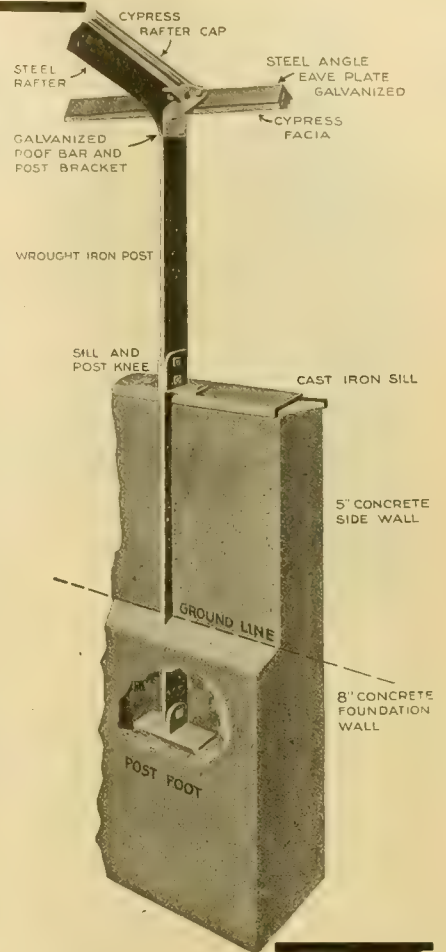
Worth Every Cent It Costs And More

If you buy first class materials for your house, practically the only difference in cost between our Iron Frame construction and any cheaper one is on the **frame itself**. That means, that any money you save in a cheaper house, is cheaper only because, **it has a poorer frame**.

Any cheapening of the frame is at the expense of the most vital part of your house—the supporting part.

You cannot afford to put your money into a construction with a **temporary frame** as against our house with a **permanent frame**, which is a permanent, paying investment.

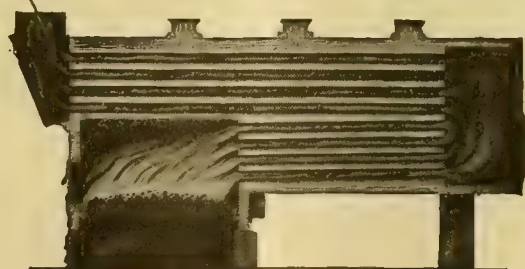
Send for our new commercial catalog and get further straight facts on constructions



Hitchings & Co., Elizabeth, New Jersey

“SUPERIOR”

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL

The Early Advertisement Gets There

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Wichita, Kan.

TRADE IS FAIR.

Business is fair, local stocks scarce but improving, good weather and everybody busy—this will about cover the trade situation here at present. The autumn shortage of stock was worse than usual, owing to a blighting spell of dry hot weather the first week of September. Carnations are getting into line rapidly now, probably a little ahead of the usual time. Chrysanthemums, locally grown, are fairly in the game. The stores have had them from Chicago growers for a month. Except for a few spots locally, there had been no killing frost up to October 21.

FAIR AND EXHIBITION.

The Wichita fair and exhibition held October 2-10 was a great success. This exposition is held instead of the more common county or state fair. It was entirely under cover in a municipally owned building called the Forum and a paved and roofed annex. This afforded ample room for a splendid display of fruits, cereals, and products in general. Merchants and manufacturers also had exhibition spaces, and exhibited and demonstrated their goods. W. H. Culp & Co. furnished large decorative plants liberally in the foyer and upon the stage. Chas. P. Mueller put in a very complete and elaborate arrangement in the annex. The fruit display, especially of apples, was probably the best ever made in the state. Hundreds of boxes of apples of splendid quality were exhibited by the leading orchardists in this part of the state. There was a flower parade October 10 in which nearly fifty automobiles took part. Some of the decorations were very elaborate and beautiful. With the exception of the entry of W. H. Culp, who used all natural material, and the Shriners, who used a liberal quantity of American Beauties, all the decorations were of artificial flowers. In the industrial parade the next day Chas. P. Mueller made a good showing with five vehicles in line. W. H. Culp & Co. were also represented in this parade.

NOTES.

G. M. Reyburn of A. Henderson & Co., Chicago, was a visitor during exposition week. He says the Forum offers facilities amply adequate for the S. A. F. convention, with the added advantage over the Coliseum in Chicago that it is on a side street and free from outside noise.

Mr. Herman Rynveld of Rynveld & Sons, Holland, visited the trade last week.

W. H. C.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

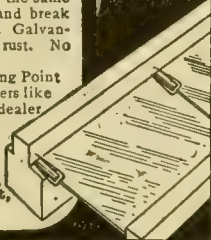
Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2



Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes. Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

FERTILENE, The Ideal Plant Food.

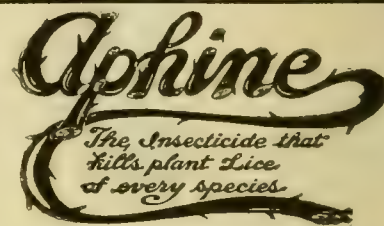
Especially prepared for the production of **LUSTY CHRYSANTHEMUM BLOOMS.**
Ten pounds, \$3.00; Twenty-Five pounds, \$6.00; Fifty pounds, \$10.00.
Sample packets of one-half pound, 30c.
Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.



Pulverized or Shredded Cattle Manure
Pulverized Sheep Manure

Unequaled for Greenhouse Fertilizing. Ask for Grower's Booklet.
THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago



The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.
75c per Quart. \$2.00 per Gallon.

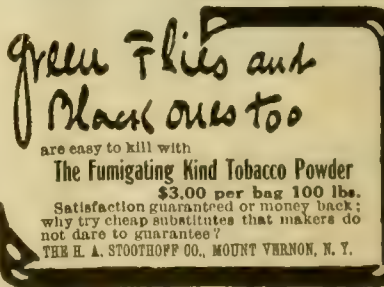
VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.
\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.
Manufacturers of Agricultural Chemicals.
Madison, N. J.
M. C. Ebel, General Manager.



REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing

NOW READY

The American : :
Florist Company's

-- TRADE -- DIRECTORY

— For 1912 —

Contains 646 Pages
Price \$3.00 Postpaid

THE AMERICAN FLORIST COMPANY'S Trade Directory for 1912, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 646 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States, Canada, Central and South America, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms Which Issue Catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, Seed Growers, and much other conveniently indexed and invaluable trade information.

PUBLISHED BY THE

American Florist Co.

440 S. Dearborn St.
CHICAGO

How to Heat a Small Greenhouse with Complete Satisfaction

Full information is given in the new Wilks catalogue. Shall we send it to you?—Now?

READ THIS—
S. Wilks Mfg. Co.

New Orleans, La., Oct. 21, 1909.

I have been using two of your heaters in a 20x300-foot house for growing cucumbers. I have been using them seven years with perfect satisfaction.

WM. NELSON.

Wilks Self-feeding Hot Water Boilers

heat up to 3000 sq. ft. of glass; require no night firing; are built entirely of steel.

WRITE FOR FULL PARTICULARS.

S. Wilks Mfg. Co., 3503 Shields Avenue,
CHICAGO.



CAN YOU AFFORD TO BE WITHOUT THEM?

Garland Trussed Iron Rafter Houses.
Garland Flat Iron Rafter Houses,
for Private and Commercial work.
Garland Semi-annealed Iron Gutters.
Garland Handy Greenhouse Truck.
Garland Cement Bench and Post Moulds.
Garland Bench Fittings.
Garland Pipe Carriers and Shelf Brackets.
Boiler Grates.

Write for information and Prices.

GEO. M. GARLAND CO.,

Lock Box S,

DES PLAINES, ILL.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880
22nd and Lumber St. CHICAGO

VAUGHAN'S

PERFECTION
SIZE 2 1/2
POINT

No. 2. Large single

thick glass.

No. 2 1/2. Double

thick.

Price, per 1000, 55c:

by mail, 70c; 5,000,

by express, \$2.50.

VAUGHAN'S

SEED STORE

Chicago, New York



This
Beautiful
Lawn Vase
Only \$4.90.

Height, 20 inches;
diameter of bowl, 22
inches; size of base,

14 inches; capacity of reservoir, 1 1/2 gallons;
weight, 81 pounds. Order No. 4C12005, without
arms. Price \$4.90
4C12005, with arms, price \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete
Greenhouse Heating Systems. Send for
our Special Heating Catalog No. 47. Estimates
furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

SIEBERT'S ZINC

Never Rust

GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, 5/8 and
3/4. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50;
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.

5936 Penn Ave., near Highland, Pittsburgh, Pa
Mention the American Florist when writing

SPECIAL OFFER

That every one may know the superior qualities of the

Mastin Spraying Machines

We will sell for a short time F. O. B. Chicago, Ill., **Cash to accompany the order;** one 3-Gallon Mastin Steel Spraying Machine Complete for \$4.97, and give you one Mastin Whitewash Nozzle and one Extension Rod. Free. Regular price \$7.80 for outfit. Write name and address plainly. Cash must come with order.

**J. G. MASTIN CO.**

3124 West Lake St. CHICAGO, ILL.

Mention the American Florist when writing

SATISFACTION

in ventilating machinery is what you get when you buy

The Advance.

Strong, simple, and easily operated. A machine which we guarantee to please even the most critical. Give us a trial. We are sure you will never regret it.

Do not forget to get one of our new catalogues, which will be ready for you about Nov. 15th.

ADVANCE CO., Richmond, Ind.

Mention the American Florist when writing

Davenport, Ia.

TRADE SLOWLY IMPROVING.

Business is improving slowly with nearly enough stock of good grade to meet all demands. Roses are fine. Carnations are still somewhat short of stem. Chrysanthemums are plentiful. Violets are extra fine for so early in the season. Bulb planting is about over with and nearly every florist is ready for winter business.

FLORISTS' CLUB MEETS.

The Tri-City Florists' Club met with Ludwig Stapp of South Rock Island, Ill., recently, and a large number of members were present. A special attraction was billed for the evening. A representative of the Universal Cement Co. gave an illustrated lecture on cement or concrete as used in and about greenhouses. The talk was very instructive, and no doubt a number of the members will take advantage of what was learned during the lecture. Later the club adjourned to the dining room, where a fine chicken supper was awaiting. After a vote of thanks to Mr. and Mrs. Stapp for their kindness and hospitality the club adjourned to meet with C. O. E. Boehm of Davenport during the chrysanthemum show which will be held on or about November 10.

T. E.

Lancaster, Pa.

At Albert M. Herr's place carnations have been relegated to one large house for rooted cuttings only. The other houses are all filled with stock plants of geraniums of which he grows only three varieties, Nutt, Riccard and Poitevine. Of these three there are five houses full of rooted cuttings in various stages, many of them ready to ship. Mr. Herr recently bought his father's place and has torn down all the houses thereon and erected one large house, intended eventually as a start for a range of cut flower houses, but used this season for coleus of which he has some twenty varieties now in four-inch pots for stock.

L.

Use our patent
Iron Bench
Fittings and
Roof Supports

**THE JENNINGS^{IMPROVED}
IRON CUTTER.****VENTILATING
APPARATUS****IMPROVED VAPORIZING PANS**

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

A "RED DEVIL" GLASS CUTTER WITH 6 WHEELS.

make and all hardware dealers sell. Just insist on us fifteen 2-cent stamps and one only sample will

"Red Devil" Staple Pullers are the most perfect Fence Tools made.)

Yes, it will cut 5,000 feet of any kind of glass. It has a "Red Devil" hardwood handle that will not tire the fingers. It is specially designed. Has 5 extra wheels in airtight chamber. A new wheel always ready for use. It's one of the 38 styles we

"Red Devil" No. 6, the expert glazier's tool. Send be sent you postpaid.

SMITH & HEMENWAY CO.,
215 Chambers St., N. Y., U. S. A.

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

**"RICHMOND"
CARNATION SUPPORT**

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Mention the American Florist when writing

**Peerless
Refrigerators**

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

Trade Directory

OF THE

United States and Canada.

Price \$3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

**Christmas
Present**

GET ONE FOR YOUR BOILER.

Piping Gets Hotter.

We have one of your special greenhouse Generators, and it does the work in a very satisfactory manner. We have noticed that the returns are much hotter than they were with the old gravity system. We intend to install Generators on all our heating systems the coming season.

J. D. Cockcroft, Northport, L. I., N. Y.



THE KROESCHELL GENERATOR
IT SPEEDS UP CIRCULATION

Kroeschell Bros. Co.

452 West Erie Street
CHICAGO, ILLINOIS.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Always mention The American Florist
when you order stock : :

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size 6½x4½.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Street, Chicago.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE **WILLIAMS LUMBER CO.,**
NEPONSET, BOSTON, MASS.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER, N. J.

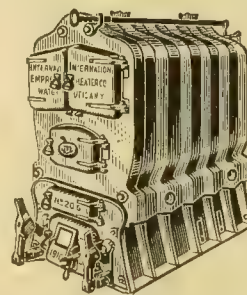
BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.

MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.



Describe a
First-Class
Greenhouse
Boiler.

Fuel capacity
for the longest
winter.
Simple enough
to be fool proof
and conserva-
tively rated.

That is the
**INTERNATIONAL
Empress Boiler**
to a dot.

If you haven't
one already,
write us now.

INTERNATIONAL HEATER CO., UTICA, N. Y.

ALL Nurserymen, Seedsmen and Florists wishing
to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly
by all the horticultural trade; it is also taken by
over 1000 of the best continental houses. Annual
subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, appli-
cants should, with the subscription, send a copy of
their catalog or other evidence that they belong to
the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

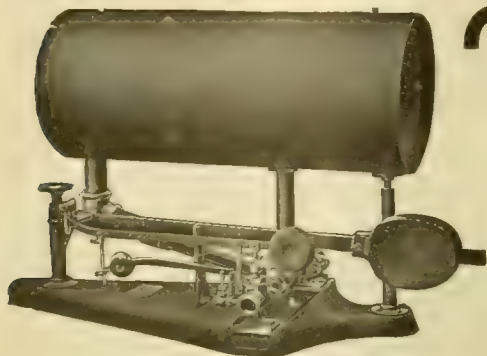
BURNED CLAY TILE BENCHES and TILE BOTTOMS

Give results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottoms and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

The Early Advertisement Gets There



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.

SEND FOR NEW SPRING CATALOG

Of Guaranteed Greenhouse Supplies.

131 N. Wabash Ave. **E. H. HUNT** CHICAGO, ILL.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water **GIBLIN & CO., Utica, N. Y.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

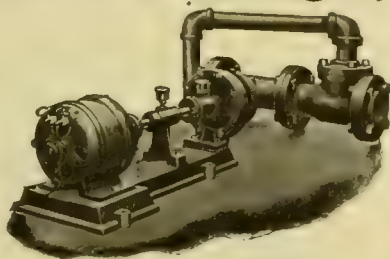
Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411



PIPE CARRIERS

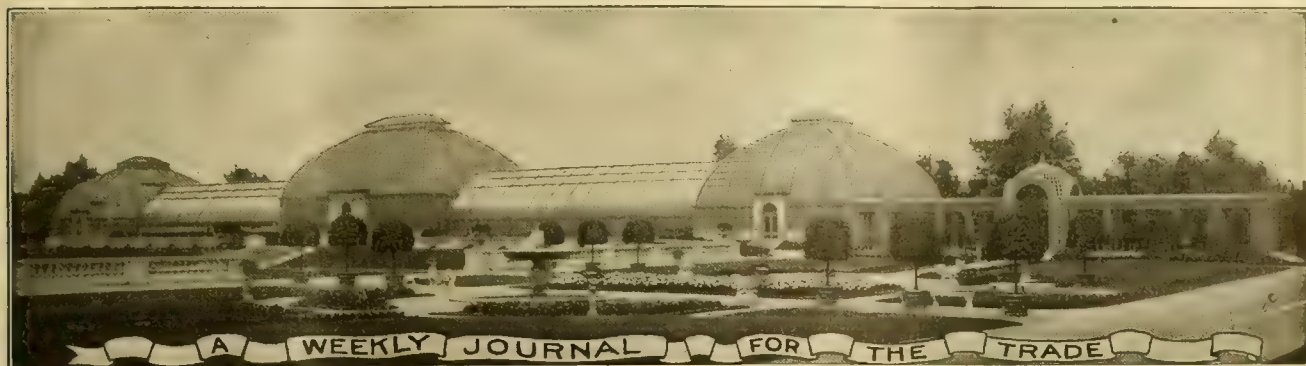
We have a line that cannot be excelled. The steel hook is neat, light, very strong and stamped from the best sheet steel. The prices are very reasonable.

Let us figure on your needs at least. However we know that a trial order will show you that our pipe carriers are the best.

Get OUR Prices.

ADVANCE CO., RICHMOND, INDIANA

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, NOVEMBER 16, 1912.

No. 1276

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FAROUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Eleventh Annual Convention and Exhibition Held at New York
November 6-8, 1912.

The Annual Meeting.

The annual meeting of the Chrysanthemum Society of America was held on November 6, the opening day of the exhibition. President Totty's address was well received. He favored closer relations of all the minor societies with the Society of American Florists. He made a point when he said that his idea was that: "The different societies join hands with the parent body in a system of government such as is enjoyed by the different states in their relation to the Union."

The reports of Secretary C. W. Johnson and Treasurer John N. May were made and accepted and showed the finances of the society to be on a sound basis. A letter was received from W. N. Rudd, president of the Horticultural Society of Chicago, inviting the Chrysanthemum Society to hold its next annual meeting and exhibition in his city. President Foley of the Chicago Florists' Club extended an invitation of similar import. The invitations were accepted. The present officers were re-elected as follows: C. H. Totty, Madison, N. J., president; Wallace Pierson, Cromwell, Conn., vice-president; Chas. W. Johnson, Morgan Park, Ill., secretary; John N. May, Summit, N. J., treasurer.

Wallace Pierson spoke of the question of a new badge, a ribbon, to be awarded to members who make fine exhibits at the different meetings of the society. He thought such a badge might be helpful in increasing membership. Secretary Johnson spoke along the same lines, and said that it was the intention to make the next meeting at Chicago exclusively a chrysanthemum show. The president was directed to appoint a committee to consider Mr. Pierson's suggestion in regard to a badge.

There was considerable discussion of the proposed change in the judging scale, and the matter was finally referred to the executive committee. Secretary Johnson thought that in view of past courtesies extended the members of the society it should offer a

special prize for the National Flower Show of 1913 to be held in New York. As April is not a chrysanthemum month, after some discussion it was decided, on the motion of Wm. Turner, to offer a sweepstake prize of \$10.00 for the best plant of marguerites exhibited at that time, it being pointed out that the marguerite is in fact a chrysanthemum. A vote of thanks was tendered the American Institute for courtesies extended.

President Totty's Address.

Another year has rolled around since you elected me your president at St. Louis and once more we assemble together to review the chrysanthemum field and see what can be done for the advancement of this particular society and what progress is being made. This society was organized in 1890, but it was not until ten years after that the first annual meeting was held in the fall, at the time when the "Queen of Autumn" was holding undisputed sway and when interest would naturally be greatest. This makes the eleventh annual exhibition since the meetings were changed to the fall, and I trust you will all feel that though progress has been slow, still we are moving onward and upward.

Personally, I think the Chrysanthemum Society of America, the Rose Society, the Carnation Society and other kindred organizations should be affiliated, in a way, with the parent body of the Society of American Florists & Ornamental Horticulturists—should really be a part of this body—and while I am not in favor of any society losing its individuality to the extent of not holding its own annual meeting or having its own officers, an affiliation with the parent body gives it the financial backing of that body or society and also a better status in the eyes of the floricultural world. This matter was agitated considerably by President Vincent, though for the last month or two I have heard nothing regarding any further progress being made. My own idea would be that if the different societies join hands with the parent body

Index to Advertisers,
Page 1012

Ready Reference Advs.,
Page 1013

**Help and Situations Wanted,
Advertisements,**
Page 969

a system of government such as is enjoyed by the different states in their relation to the union would be the logical method of combination. This does not destroy the individuality of the society or drain it of any of its resources, save a minor tax that could be charged and still give it the backing of a co-operation of the entire flower business.

"Co-operation, not competition," is the keynote of modern business. We see this exemplified in every trade and condition of life, and I trust if the question of affiliation is presented to you at a later date you will be in favor of it. As regards individual membership in our own society, my opinion of it is that it should be very much larger. Just how to bring this about it is difficult to say. It certainly cannot be the annual cost of \$2.00 that is standing in the way, as the annual report alone is well worth that to any member that is interested in 'mums. How then shall we go to work and interest our fellow 'mum growers in this society that was organized for their special benefit? Possibly, the reason many are not members is because the matter has never been presented to them in such a personal manner as to appeal to them. If any of you can suggest ways and means to bring about this desirable condition, I trust you will make suggestions to that effect.

There has recently been published in the trade papers some discussion on the official scale of points, the idea being that the present scale is designed chiefly for the purpose of judging seedlings and is not adequate for general use when judging in the average flower show. Most of the eastern judges take the official scale for exhibition purposes and score blooms according to that scale, whereas the western judges seem to take the commercial scale for their standard. In a compe-

tition where very widely different types are being exhibited together such as "Gen. Hutton" and "Major Bonnaffon," for instance, the number of points given for size on the official scale would cause "Hutton" to hopelessly overshadow "Major Bonnaffon," though the latter might score almost a total number of points for commercial purposes.

It has been suggested by Ex-President Elmer D. Smith that a sort of compromise scale be used in scoring exhibition varieties, when they are being judged in competition with a commercial variety. This compromise scale is as follows:

Color	20
Form and fullness.....	20
Size	30
Stem and foliage.....	30

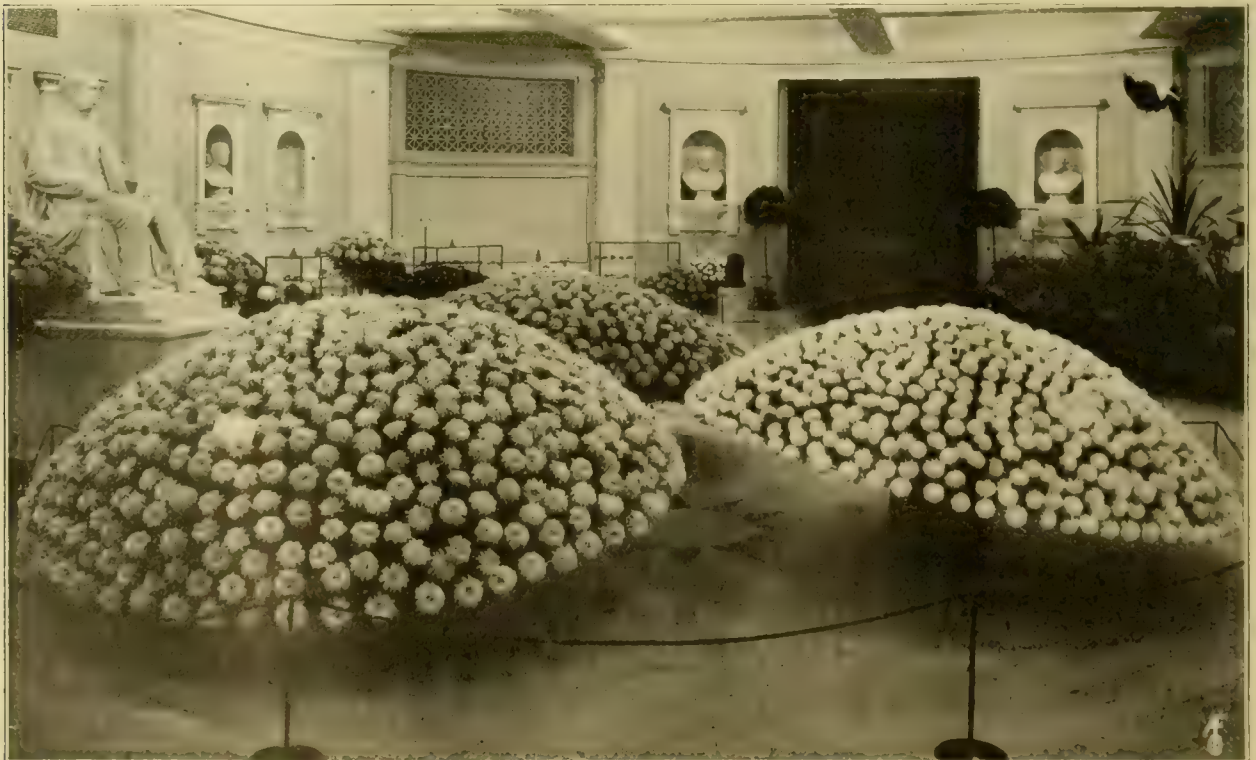
I myself am heartily in favor of this scale for general use, and if the members present think well of it a recommendation to that effect can be put through and a copy sent to all societies holding 'mum exhibitions. If the judges are conscientious, careful and fair, this compromise scale will assist them over many troublesome decisions, providing we can get them to accept it. Every society is practically a law unto itself and the chrysanthemum society is not in a position to insist that any suggestions it shall offer shall be carried out when judging 'mums, but a society that wishes to be up to date and have its exhibitions conducted and judged on the highest plane will, most likely, be only too willing to accept suggestions for its own advancement and good.

The scale of points as at present constituted for the use of judges in scoring varieties, I think we should not interfere with. They are the result of the accumulated experiences of quite

a number of years and seem to me to fill the bill, but there is room for improvement in judging at exhibitions where all different types may be exhibited in one class. Is the demand for the large flowered chrysanthemum decreasing? Some retail florists claim that it is and others claim the reverse. My own opinion is that while sentiment and fashions change, and the demand varies considerably with the passing years, still, there will always be a market for a certain quantity of high-grade flowers, though it cannot be denied that the demand for singles and pompons has tremendously increased the last three or four years.

In the case of the singles the earlier types, which had just a single row of petals, have had to give place to varieties having three or more rows of petals which also have a stiff footstalk. These varieties can be packed and shipped long distances and come out of the box in perfect condition. Other types now coming into prominence are known as the early flowering varieties, which, if planted outdoors in the garden will give quantities of flowers from September 1 to well into November in most sections. They are very much larger than the pompons and seem to be becoming very popular. One thing is certain: the 'mum is so infinitely varied in its types that it will always be more or less popular.

There is a large and rapidly growing class of amateurs who are growing varieties of 'mums outdoors, not having any facilities for growing them under glass. Many of these amateurs are the greatest enthusiasts we have in the country and there certainly should be some way of enrolling them as members of this society. I trust this matter will be brought up for discussion and suggestions offered as to the best way of getting them to join our



HORTICULTURAL SOCIETY OF NEW YORK.

The Three Bush Chrysanthemums Exhibited at the Fall Exhibition by Adolph Lewisohn (John Canning, Gardener), Ardsley, N. Y.



John N. May.

[Treasurer Chrysanthemum Society of America.



Chas. H. Totty.

President Chrysanthemum Society of America.



C. W. Johnson.

Secretary Chrysanthemum Society of America.

ranks. Whether we could get these people to join by organizing an amateur section is a question we might discuss at this time. The Chrysanthemum Society of America is a direct and potent factor in the development of the "Queen of Autumn," and I trust you will all put your shoulders to the wheel and help keep the chariot of progress moving upward and onward.

The Exhibition.

The annual show of the Chrysanthemum Society of America, in connection with the eighty-first annual fair of the American Institute of the City of New York, opened on the evening of November 6 in the Berkeley Lyceum Building, 19-21 West Forty-fourth street. The exhibition of chrysanthemums was very fine, both by private gardeners and commercial growers. Roses and carnations were also very prominent. This being the first time that the new pink rose, Mrs. Charles Russell, has come under the writer's observation in an exhibition, a few words about it will be appropriate. It is a remarkable production, as there shown, and cannot fail to spring into popularity. What is here written is of what we have seen, leaving out the possibilities of what may happen to it after it leaves the Waban Conservatories. The length of stems of the vase shown was equal to the average long-stem American Beauties and there were no weak necks, the uniformity of stem being notable. It is a beautiful pink, a much better color than American Beauty, and a better color than any other rose we have seen, not excepting Killarney. After being three days on exhibition in an unfavorable location the color had not in the least deteriorated and the general condition showed it to be a good keeper. We venture the assertion that no rose exhibited since the coming out of American Beauty has been the subject of so much favorable comment from old and experienced men in the trade.

Other fine roses were also exhibited, including Mrs. Geo. Shawyer, by Chas. H. Totty; Radiance and Bulgarie by Traendly & Schenck, and Milady by A. N. Pierson, Inc. Special prizes were awarded all these. Certificates



Wallace R. Pierson.

Vice-Pres. Chrysanthemum Society of America.

of merit were awarded to: Rose Irish Fire Flame, S. S. Pennock-Meehan Co.'s exhibit; Lady Alice Stanley, exhibited by F. W. Vanderbilt, Hyde Park, N. Y. (Henry J. Allen, gardener); C. H. Behre, Madison, N. J., for a new rose. A. N. Pierson, Inc., was awarded a special prize for pompons, single and anemone chrysanthemums. Traendly & Schenck were awarded three special prizes for carnations and the Cottage Gardens Co., Queens, N. Y., received certificates for their new carnations, Matchless and Vivid. There were many fine chrysanthemums but Wm. Turner seemed to be the big chief. The exhibition was a great success and was very largely attended. The daily papers of New York deserve the thanks of the trade for the space they devoted to the fall exhibitions. Awards were made as follows:

CHRYSANTHEMUMS—CUT FLOWERS.

Twenty-five blooms, one variety, long stem, commercial growers —

Traendly & Schenck, first; C. H. Totty, second.

Thirty varieties, one bloom of each, 10-inch stem, commercial growers—Chas. H. Totty, first.

Twenty-five blooms, one variety, long stem, private gardeners — Howard Gould, first.

Thirty varieties, one bloom of each, 10-inch stems, private gardeners—Howard Gould, first.

Twenty varieties, one bloom of each, 10-inch stems, private gardeners—H. E. Converse, Marion, Mass., first; R. H. Scoville, Chapinville, Conn., second.

Ten blooms any white variety—E. D. Adams (Geo. H. Hale, gardener), first; Payne Whitney (Robt. Jones, gardener), second.

Ten blooms any pink variety—Geo. H. Hale, first.

Ten blooms any yellow variety—R. Mortimer, Tuxedo Park, N. Y. (C. Schaeffer, gardener), first; Howard Gould, second.

Ten blooms any bronze variety—Howard Gould, first; Percy Chubb, Glen Cove, N. Y. (Alex. McKenzie, gardener), second.

Ten blooms in variety—Mrs. J. H. Lyle, Tuxedo Park, N. Y. (J. P. Kennedy, gardener), first; Percy Chubb, second.

Six blooms, any white variety—J. T. Pratt, Glen Cove, N. Y. (J. W. Everett, gardener), first; C. K. G. Billings, New York City (Jas. Bell, gardener), second.

Six blooms, any pink variety—J. W. Everett, first; Robert H. Scoville (Walter Angus, gardener), second.

Six blooms, any yellow variety—Clarence E. Chapman, Oakland, N. J. (Frank Black, gardener), first; Percy Chubb, second.

Six blooms, any crimson variety—R. H. Scoville, first; Percy Chubb, second.

Six blooms, any bronze variety—C. K. G. Billings, first; Howard Gould, second.

Six blooms Japanese incurved, any white variety—C. H. Hatheway, East Orange, N. J. (Max Schneider, gardener), first; C. E. Chapman, second.

Six blooms Japanese incurved, any yellow—Howard Gould, first; Geo. H. Hale, second.

Six blooms Japanese incurved, any pink—Howard Gould, first; C. E. Chapman, second.

Six blooms Japanese incurved, any crimson variety—Mrs. J. H. Lyal, first; Percy Chubb, second.

Six blooms Japanese incurved, any bronze—Howard Gould, first; Geo. H. Hale, second.

Six blooms Japanese reflexed, any white—Howard Gould, first; C. H. Hatheway, second.

Six blooms Japanese reflexed, any

Specimen bush plant, pink—Mrs. Brown, first; Chas. Mallory, second.

Specimen bush plant, yellow—Mrs. Brown, first; Chas. Mallory, second.

Specimen bush plant, any other color—Mrs. Brown, first.

Specimen standard plant, white, not less than 24-inch stem—Paul Dana, Glen Cove, N. Y. (John F. Johnson, gardener), first; Mrs. Brown, second.

Specimen standard plant, pink, not less than 24-inch stem—Mrs. Brown, first; C. H. Hatheway, second.



PENNSYLVANIA HORTICULTURAL SOCIETY.

View of the Wanamaker Orchid Display at Philadelphia Exhibition.

yellow—Howard Gould, first; Geo. H. Hale, second.

Six blooms Japanese reflexed, any pink—Howard Gould, first.

Six blooms Japanese reflexed, any crimson—Howard Gould, first.

Six blooms Japanese reflexed, any bronze—Howard Gould, first.

Six blooms anemone, any white—Wm. Dowlen, Seabright, N. J., first.

Six blooms anemone, any yellow—Mrs. J. S. Lyle, first; Wm. Dowlen, second.

Six blooms anemone, any pink—Mrs. J. S. Lyle, first; Wm. Dowlen, second.

Six blooms anemone, any crimson—Wm. Dowlen, first.

Six blooms anemone, any bronze—Mrs. J. S. Lyle, first; Wm. Dowlen, second.

SEEDLINGS, SPORTS, ETC.

Six blooms any white variety—Chas. H. Totty, first.

Six blooms any yellow—Chas. H. Totty, first.

Six blooms any pink—Geo. H. Hale, first.

Six blooms any other color—Chas. H. Totty, first.

Vase of anemone flowered varieties—Geo. H. Hale, first; R. Mortimer, second.

Vase of hairy and plume varieties—Wm. Dowlen, first; Mrs. Lyle, second.

Vase of single varieties—Geo. H. Hale, first; Chas. H. Rice, second.

HARDY CHRYSANTHEMUMS.

Best collection of 20 vases—Chas. H. Rice, first; Chas. Mallory, Port Chester, N. Y., second.

Best collection of pompons, 10 vases—Chas. Mallory, first; C. H. Rice, second.

CHRYSANTHEMUM PLANTS.

Specimen bush plant, white—Mrs. John Crosby Brown, Orange, N. J. (Peter Duff, gardener), first.

Specimen standard plant, yellow, not less than 24-inch stem—Mrs. Brown, first; Geo. Schlagel, Bay Ridge, N. Y. (S. H. Mulvy, gardener), second.

Twelve plants in variety grown to single stem and in pots not to exceed 6 inches—Howard Gould, first; W. M. Macbean, Garrison, N. Y., second.

Six plants of one variety grown to single stem and in pots not to exceed 6 inches—Geo. Schlagel, first; Howard Gould, second.

Twelve bush plants as grown for market in pots not to exceed 8 inches—C. K. G. Billings, first; Mrs. J. S. Lyle, second.

SPECIAL PRIZES.

Silver cup by Chrysanthemum Society of America, best 10 blooms, one variety chrysanthemums—J. H. Ottley, Glen Cove, N. Y. (J. W. McDonald, gardener).

William Kleinheinz prize, best 5

blooms, William Kleinheinz—Chas. H. Totty, Madison, N. J., first.

John Lewis Childs prize, best plant grown in 6-inch pot of Glory of Seven Oaks—No award.

Elmer D. Smith & Co. prize, for private gardeners only, best 12 blooms, Manhattan—No entry.

Charles H. Totty prize, best 6 blooms, Ramapo—No award.

W. Wells & Co. prize, best 3 blooms, Annie L. Angus—Howard Gould, Port Washington, N. Y. (Wm. West, gardener), first; Robt. H. Scoville, Chapinville, Conn. (Walter Angus, gardener), second.

George W. Burke prize, best 6 blooms, Mrs. George W. Burke—H. Darlington, Mamaroneck, N. Y. (P. W. Poppe, gardener), first.

Henry A. Dreer prize, best 6 blooms, pink, one variety—Chas. H. Totty, first.

Foley Manufacturing Co. prize, open to commercial growers only, best 6 blooms, one variety—Chas. H. Totty.

Lord & Burnham Co. prize, best 6 blooms, American seedling chrysanthemum, never before exhibited—Chas. H. Totty.

Harry E. Converse prize, for private gardeners only, best 6 blooms, Harry E. Converse—C. W. Harkness, Madison, N. J. (Ernest Wild, gardener), first.

A. N. Pierson Co. prize, open to commercial growers only, best 12 blooms, any one variety, long stems—Traendly & Schenck, Rowaytown, Conn., first; Chas. H. Totty, second.

A. N. Pierson Co. prize, open to commercial growers only, best vase of pompon varieties—Chas. H. Rice, Rochelle Park, N. J., first.

Hitchings & Co. silver cup, best 10 vases of pompon varieties, one variety in each vase—Mount Greenwood Cemetery Association, Morgan Park, Ill. (Chas. W. Johnson, gardener),

Pennsylvania Horticultural Society.

THE FALL EXHIBITION.

The Pennsylvania Horticultural Society threw open its doors on Tuesday evening, November 5, on what is said by many to have been its best fall exhibition. There were not quite so many exhibitors and some of their entries were not as large as formerly, but what they lacked in quantity was more than made up in the general excellence of all the exhibits. Orchids were a feature and a strong one, there being three exhibits, any one of which would attract attention at any show. The quality of



PENNSYLVANIA HORTICULTURAL SOCIETY.

Case of Orchids Exhibited by Louis Burk at Philadelphia Exhibition.



PENNSYLVANIA HORTICULTURAL SOCIETY.

Partial View of Main Hall During Show at Philadelphia, Nov. 5-8.

the chrysanthemum plants was as good as ever seen here, there not being a poor plant in the various collections. The cut blooms were of extraordinary size and finish and attracted great attention from the visitors. Exhibits of well grown greenhouse foliage plants and ferns were quite in keeping with those of previous years, except that there were not quite so many entries.

One of the largest factors in the successful staging of the exhibits was the decorations. These were provided for by a private committee of the Florists' Club and the horticultural society, and were under the direction of William Graham. A raised balcony with a railing on which were seats so that the audience could both see and listen to the music with comfort, ran along each side of the hall on which were tall columns. These later also were placed on the stage at one end of the hall. Wild smilax and autumn leaves decorated the walls between and over the windows. Large palms and rubbers had been placed about where they added to the effect. Festoons of yellow Japanese lanterns were suspended from column to column which, when lighted, encircled the hall with beautiful lines of color. Green lanterns were suspended from the center chandelier. The center of the hall had two groups of foliage and flowering plants and in the center between them was a superb group of croton plants six to seven feet in height. All the specimen chrysanthemum plants also occupied this floor.

themum plants also occupied this floor.

The H. A. Dreer Co. staged a fine exhibit of all that is best in new plants and well grown specimens of standard sorts. The center space was filled with fine plants of the new glory of More-drecht fern, a genuine novelty. The orchid displays were staged very artistically. The Jos. Heacock Co. had a group of flowering plants of cattleyas and oncidiums in a large gilt frame about six by eight feet in size. These made a beautiful picture, standing out from their background of green. This frame was placed in a setting of large cibotium ferns which were staged in the foyer. The effect was beautiful and it was probably the most attractive exhibit in the show. Louis Burk's collection of orchids was enclosed in a large glass case, and being nicely arranged, made a finished exhibit. Many choice cattleyas and cypripediums showed the collection to be one of great value. The John Wanamaker table of orchids was beautifully arranged and contained a number of very choice sorts. A number of groups of ornamental foliage plants occupied the foyer. The grand staircase was decorated with vases of choice chrysanthemum blooms and foliage arranged for effect. In the foyer of the lower hall Thomas Meehan & Sons placed an art exhibit of paintings of mallow marvels which was very attractive. H. F. Michell's ship bringing bulbs from abroad was a happy concept, and well carried out.

A picture of a vase of orchids on a handsome table also placed in a large gilt frame with a black background and surrounded with cibotium ferns was a fine piece of work. In the rear hall Lord & Burnham occupied the center with a small greenhouse, surrounding which, as in a garden, were hardy chrysanthemums from the H. Michell Co. W. Atlee Burpee and the Overbrook Gardens made large displays of hardy chrysanthemums of single and double pompon sorts that were very attractive. H. A. Dreer Co., H. Michell Co. and H. Waterer staged collections of imported bulbs and garden requisites. The front of the hall and the outside foyer were nicely decorated with groups of evergreens from the W. H. Moon Co.

The display of roses, though not very extensive, brought out some fine sorts that were almost sensational. A. D. Montgomery exhibited Mrs. Chas. Russell, which carried itself well throughout the entire show, the buds developing into huge flowers much larger than American Beauties. This vase attracted attention from all the visitors. It was awarded a certificate of merit. Mrs. Geo. Shawyer, Totty's new pink, also made a fine showing and looks like a comer. Its immense flowers on four-foot stems were easily as large as American Beauties. It also received a certificate of merit. Stephenson's Radiance was the best yet seen here of this variety. The stems were all at least three feet in

length. A. N. Pierson's Milady looks like a coming red, the flowers were very fine and while very double appeared to open out well and were symmetrical in shape. Robt. Scott and Son's Irish Fire Flame, the new single flame colored rose, was very striking as was Janet and Mrs. Forde. All the above varieties were thought worthy of the society's certificate of merit, excepting Irish Fire Flame, which was awarded a silver medal.

There were other roses of the White and Pink Killarney, Lady Hillingdon, Mrs. Ward, My Maryland, Radiance and American Beauty varieties. Charles H. Totty staged two fine new carnations in his Northport and Commodore, both of which are fine sorts. John Welsh Young won first prize for a vase of twenty-five Marylands. Special mention was given to the Jos. Heacock Co. for a vase of Killarney. This firm also received the highest honor of the society, a gold medal for their picture of orchids and cibotium ferns. There was a fine display of vegetables which were staged on Thursday in the lower hall and attracted much interest and attention.

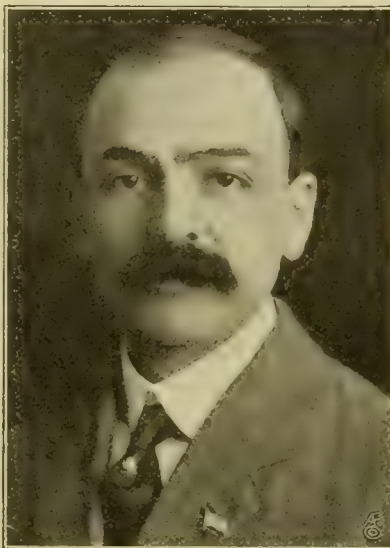
K.

Morris County Gardeners and Florists.

ANNUAL FLOWER SHOW.

The seventeenth annual flower show of the Morris County Gardeners and Florists' Society, held in Madison, N. J., October 31-November 1, was a most successful affair from every point of view. The chrysanthemums were finer than ever, roses were fully up to the Madison standard, and the carnations were of the highest grade. Novelties, and recent introductions were watched closely. C. H. Totty's new pink rose Mrs. Geo. Shawyer, was shown in majestic form. Edward Behre had two vases of the new rose Madison in fine condition. A. N. Pierson, Inc's., new rose Milady was a center of attraction for our lady visitors. In new carnations, the following were awarded certificates of merit: Matchless, Cottage Gardens, Queens, N. Y.; Wm. Eccles, Scott Bros., Elmsford, N. Y.; Northport, J. D. Cockcroft, Northport,

L. I., N. Y.; Enchantress Supreme, Dailedouze Bros., Flatbush, N. Y. Several new chrysanthemums were scaled by the committee of the C. S. A., points of which were not given out, but they looked good. One of the fine features of the show was the vegetable exhibits. Not only the very high quality of the exhibits, but the arrangement opened the visitors' eyes. There were five exhibits. The group



A. J. Rossi.

President of the Pacific Coast Horticultural Society and Manager of the Fall Exhibition.

of chrysanthemum plants with foliage and other flowering plants, put up by Harold B. Vyse, Morristown, John Downing, Morris Plains, and A. A. Macdonald, Duke's Farm, Somerville, N. J., were a show in themselves. Wm. H. Duckham's and John Jones' table of orchids were very fine, and Lager & Hurrell had a grand display of novelties in this line. The following were the awards:

CHRYSANTEMUMS.

Thirty-six flowers, six varieties—Mrs. D. Willis James (Wm. Duckham, superintendent), first; Duke's Farm (A. A. Macdonald, superintendent), second.

Eighteen flowers, six varieties—Chas. W. Harkness (Ernest Wild, gardener), first; D. H. McAlpin (John Downing, gardener), second.

Twelve flowers in twelve varieties—Duke's Farm, first; O. H. Kahn (James Fraser, gardener), second.

Ten flowers, any yellow—Duke's Farm, first.

Ten flowers, any white—Mrs. D. Willis James, first; Glimpsewood Manor (H. B. Vyse, gardener), second.

Six flowers, any pink—Glimpsewood Manor, first.

Twenty-four flowers, twenty-four varieties, twelve-inch stem, single vases—Mrs. D. Willis James, first; Duke's Farm, second.

Three vases of six flowers each, three varieties—Duke's Farm, first; Glimpsewood Manor, second.

Twelve flowers, twelve varieties, single vases—Chas. W. Harkness, first; Mrs. John Crosby Brown (Peter Duff, gardener), second.

Stumpp & Walter Co. special prize, twelve entries, six flowers, six varieties—Otto H. Kahn, first; Herbert L. Pratt (Henry Gant gardener), second.

Six flowers, pink—Otto H. Kahn, first; T. D. Leonard (F. Doherty, gardener), second.

Six flowers, white—Dudley Olcott (Charles Barbauer, gardener), first; Otto H. Kahn, second.

Six flowers, yellow—Otto H. Kahn, first; T. D. Leonard, second.

Six flowers, crimson—Robt. D. Foote (J. Lindaburg, gardener), first; Otto H. Kahn, second.

Six flowers, any bronze—Otto H. Kahn, first; Glimpsewood Manor, second.

Vase of flowers with other foliage arranged for effect—Otto H. Kahn, first; Duke's Farm, second.

Display of pompons—C. W. McAlpin (H. Scott, superintendent), first.

Twelve vases, single—Percy Chubb, Glen Cove, N. Y. (Alex. Mackenzie,



PACIFIC COAST HORTICULTURAL SOCIETY.

Exhibit of the E. W. McLellan Co., San Francisco, Calif., at the Fall Exhibition.



PACIFIC COAST HORTICULTURAL SOCIETY.

Roses, *Lilium Giganteum* and Chrysanthemums, Grown and Exhibited by the E. W. McLellan Co., San Francisco, Calif.

superintendent), first; Mrs. D. Willis James, second.

Six vases, singles—Percy Chubb, first; Otto H. Kahn, second.

Largest flower—Chas. W. Harkness, first; Dudley Olcott, second.

Vaughan's Seed Store special prize, six flowers, Wm. Turner—Mrs. D. Willis James, first; Glimpsewood Manor, second.

Elmer D. Smith special prize, six Christy Matthewsons—L. A. Thebaud (E. Reagan, gardener), first.

Ten flowers, white, commercial—C. H. Totty, first.

Ten flowers, yellow, commercial—C. H. Totty, first.

Ten flowers, pink, commercial—C. H. Totty, first.

Ten flowers, any other color, commercial—C. H. Totty, first.

ROSES.

Eighteen American Beauties—L. A. Noe Estate, first; L. B. Coddington, second.

Twelve American Beauties—L. A. Noe Estate, first; Duke's Farm, second.

Twenty-five My Maryland—Edw. H. Behre, first; L. M. Noe Estate, second.

Twenty-five any other, white—L. A. Noe Estate, first.

Twenty-five Richmonds—L. B. Coddington, first.

Twenty-five Pink Killarney—L. B. Coddington, first; L. A. Noe Estate, second.

Twenty-five White Killarney—L. B. Coddington, first; L. A. Noe Estate, second.

Twenty-five any other pink—Chas.

H. Totty, first; L. A. Noe Estate, second.

Twenty-five any yellow rose—L. B. Coddington, first; Mrs. D. Willis James, second.

Twelve My Maryland—L. B. Coddington, first; A. P. Smith, second.

Twelve any other white rose—Duke's Farm, first.

Twelve Pink Killarney—Chas. A. Work (Wm. Muhlmichel, gardener), first.

Twelve White Killarney—L. M. Noe Estate, first.

Twelve any other pink rose—L. B. Coddington, first.

Twelve any yellow rose—Otto H. Kahn, first; L. M. Noe Estate, second.

Twelve any undisseminated variety—Chas. H. Totty, first.

Badgley, Riedel & Meyer special prize, best case of twenty-five blooms any rose except American Beauty—C. H. Totty, first.

CARNATIONS.

Twenty-five blooms, pink—Mrs. D. Willis James, first; Mrs. G. E. Kissell (P. D. Witney, gardener), second.

Twenty-five blooms, white—Mrs. D. Willis James, first.

Twenty-five blooms, red—Chas. H. Totty, first.

Twenty-five blooms, any other color—Mrs. D. Willis James, first.

Twelve blooms, pink—Chas. W. Harkness, first—Stronghold (A. Morrison, gardener), second.

Twelve blooms, white—S. M. and A. Colgate (Wm. Reid, gardener), first; Otto H. Kahn, second.

Twelve blooms, red—Glimpsewood Manor, first.

Twelve blooms, any other color—C. W. Harkness, first.

Eighteen blooms, any undisseminated variety—Mrs. D. Willis James, first.

Vase twenty-five blooms—Badgley, Riedel & Meyer special prize—Mrs. D. Willis James, first.

VIOLETS.

Bunch, one hundred, double blue—H. Coghill (Peter Pemipede, gardener), first.

Bunch single blue—Chas. Hathaway (Max Schneider, gardener), first; Mrs. John Crosby Brown, second.

GROUPS.

Chrysanthemum plants, or flower and foliage plants with other flowering plants on fifty square feet of space—Glimpsewood Manor, first; Dr. D. H. McAlpin, second; Duke's Farm, third.

Specimen chrysanthemum, pink—Mrs. John Crosby Brown, first; Mrs. H. McK. Twombly (Robt. Tyson, gardener), second.

Specimen chrysanthemum, white—Mrs. John Crosby Brown, first; Dr. D. H. McAlpin, second.

Specimen chrysanthemum plant, any other color—Mrs. John Crosby Brown, first.

Twelve single stem chrysanthemum plants—Duke's Farm, first; Mrs. John Crosby Brown, second.

Begonia Lorraine—Mrs. H. McK. Twombly, first; Dr. D. H. McAlpin, second.

Six bush chrysanthemums—Chas. H. Totty, first.

VEGETABLES.

Collection of vegetables, twelve kinds, beauty of arrangement to count—Mrs. H. McK. Twombly, first; Duke's Farm, second.

Henderson special prize for eight varieties of vegetables—Duke's Farm, first; Otto H. Kahn, second.

FRUITS.

Plate of apples—Dr. D. H. McAlpin, first.

Five plates of apples—S. M. and A. Colgate, first.

sodded ground while a waterfall, rippling over the logs, splashed into a pool in which a number of young water fowl disported, when not hiding among the surrounding aquatic plants. A number of well grown ferns and foliage plants disposed among the oak roots and a front well broken with smaller foliage and flowering plants completed the best individual display ever attempted on the Coast.

The exhibit put up by John C. Carbone was a most pleasing feature, the arrangement of the orchids, ferns and other decorative plants being very ar-

showed the best collection of specimen ferns ever exhibited here and received second award, losing first "for effect," lack of space causing a congested arrangement; C. Templeton Crocker (William Munro, gardener) took first on some extra fine outdoor roses, first on collection of dahlias and several other awards. Geo. A. Pope (William Kettlewell, gardener) exhibited a fine lot of dahlias, annuals and herbaceous blooms, and A. B. Spreckels (Louis Smaus, gardener) carried off a silver cup for chrysanthemum plants in bloom.

Outside of mums cut flowers were not prominent. New roses shown were: Sunburst, by John C. Carbone (it kept finely and became popular on sight); Prima Donna, by Domoto Bros., a strong double flower and a grand keeper; its American Beauty color will surely make it a popular favorite. What the rose entries lacked in quantity was made up in quality, being far better than those shown last fall. This cannot be said of carnations, the White Wonders from the Hillsborough Nursery being an exception. The nursery mentioned competed for the first time and took first with American Beauties and several firsts and seconds with chrysanthemums. Were it not for this firm the Japanese growers would have had a walkover with chrysanthemums as they cleaned up every other prize in sight, one taking first with each of the 7 entries. Among the winning varieties were noted: Wm. Duckam, Hunter, Dr. Enguehard, Bertha, Portola, O. P. Bassett, Jerome Jones, Jeffrys, Bonaffon and several others of which the names given are questionable. The Western Orchid Co., also a new entrant, won first with 3 fine specimen *Cattleya labiata* in excellent bloom. Owing to the lateness of the season there were only two entries for tuberous begonias, Henry E. Bothin of San Rafael (Jas. Niven, gardener) winning first with a fine up-to-date collection.

The Ferneries (H. Plath) showed their stock in a very attractive arrangement of cork bark built in imitation of a rockery 9 feet high, over which the plants were displayed to the best advantage. A partly concealed water pool and hidden electric lights added to the effect. Mr. Plath won first for his ferns arranged for effect and a number of awards for specimens. Outdoor decorative plants in



PACIFIC COAST HORTICULTURAL SOCIETY.

A Few of the Prize Winners at the San Francisco Show.

Four bunches of greenhouse grapes, two black, two white—Duke's Farm, first.

Two bunches of greenhouse grapes, black—Duke's Farm, first; Glimpsewood Manor, second.

Two bunches of greenhouse grapes, white—Duke's Farm, first.

E. REAGAN.

Pacific Coast Horticultural Society.

THE FALL SHOW.

"The best ever" is the popular verdict of the fall show given by the Pacific Coast Horticultural Society in the spacious Norman hall of the Fairmont Hotel, San Francisco, Calif., October 23-26. The shows held by this society have become an autumn feature of the city's life and a function upon which society has set its seal of approval. John McLaren, the Exposition landscape engineer, congratulated the society on the general excellence of the exhibition. Mrs. Jas. Rolph, Jr., wife of the mayor, was present and assisted in judging the table decorations.

The plant exhibits were exceptionally good, there being a warm rivalry for the honor of winning the Flood challenge trophy. There were only two real contenders, the MacRorie & McLaren Co. and John C. Carbone. A joint meeting of the three sets of judges was held and the MacRorie & McLaren Co. was awarded the trophy for the premier exhibit of the show. The display consisted of a picturesque arrangement of oak roots, limbs and branches gnarled and contorted beyond description, a liberal use being made of tree ferns in the background. *Phalaenopsis*, *oncidiums*, *cattleyas* and other epiphytal orchids, neatly massed on the higher branches, were reflected in mirror ponds sunk in the green

tistic. The orchid collection was admirable and included many imported *laelio-cattleyas* and *brasso-cattleyas* shown here for the first time.

The large private places took a prominent part in the show and contributed largely to its success. Eugene de Sabla (Wm. Hill, gardener), won nearly every first for inside decorative and flowering plants; S. E. Slade of Menlo Park (Chas. Ehrlich, gardener),



PACIFIC COAST HORTICULTURAL SOCIETY.

Some of the Prize Winning Chrysanthemums Exhibited by Fred V. Agari & Co. at the San Francisco Show.

tubs were shown to fine advantage on the spacious piazza adjoining the Norman hall and were creditable to the exhibitors, Domoto Bros. and the MacRorie & McLaren Co. A feature that attracted much interest was the vegetable exhibits shown by Eugene de Sabla and C. Templeton Crocker. The manner of display and the quality of the products were most admirable.

Much interest was taken by the visitors and the florists in general in the made up work that was featured daily. Albert O. Stein was awarded a fine silver cup for a Dresden table decorated with china dolls, the dresses of which were formed with miniature chrysanthemums, etc., an embroidery of baby roses and valleys in a conventional design taking the place of the usual ribbon. Pelicano, Rossi & Co. received second prize for a cyclamen decoration, a center lamp being used with a large shade trimmed with valleys, oncidiums and adiantum. The popular movement to obtain the Liberty Bell for the Exposition suggested the subject of Pelicano, Rossi & Co.'s entry for the most original design. The "Bell" was awarded first premium, second being awarded Albert O. Stein for a beautiful floral evening gown on a fine wax model. The gown was cut decollette and was made of adiantum. The trimming and embroidery were of tiny Cecil Bruner buds and valleys. The workmanship was exquisite. The Misses Hannon received a special mention for a floral pair of opera glasses in which electrically lighted pictures of well known members of the local society were to be seen.

Madame Johanna Gadschi, the grand opera star, assisted by Mesdames Will S. Tevis and Wm. H. Crocker, acted as judge and awarded first premium to Julius Epstein for a bridal muff of phaelaenopsis and valley. For a similar entry Pelicano, Rossi & Co., were awarded second. This firm also got a first for bridesmaid's bouquet, first for corsage bouquet and second went to a clerk in their store, Frank Thatcher. Albert O. Stein was awarded second for bridesmaid's bouquet. The contest for the big Carbone cup offered for the best basket of orchids was keenly contested as were the basket and hamper competitions on the last day.

It is a pleasure to state that the attendance was excellent and consequently a financial success was assured. Among the many visitors from a distance were William Hertrich of Los Angeles, Hiram Grimshaw and Dr. J. P. Parker of Santa Cruz, Messrs. Schmitz and Dobner of Stockton, Lester E. Morse, John Vallenge and many more. Manager Angelo J. Rossi and Assistant Manager H. Plath are to be congratulated on the completeness of the arrangements. Treasurer Eric James and Secretary T. F. Taylor also took an active part in the work. The judges were: Orchids—William Hertrich, Niels Peterson, Wm. H. Hutchings; plants—William Eldred, Thos. A. Munro, Sydney Clack; cut flowers—Jos. Thompson, J. W. Bagge, Eugene Burtle. The awards were as follows:

CUT FLOWERS—CHRYSANTHEMUMS.

Exhibit of 75, 3 blooms each, of 25 varieties—Shibuya & Ishida Co., first; Hillsborough Nurseries, second; H. Goertzhain, third.

Vase of 50 in variety, not less than 10 varieties—Shibuya & Ishida Co., first; T. Etow, second.

Vase of 50, yellow—Hillsborough Nurseries, first; Jos. Hiroshi, second.

Vase of 50, white—Shibuya & Ishida Co., first; F. Agari, second.

Vase of 50, red and yellow—Shibuya & Ishida Co., first; H. Goertzhain, second.

Vase of 50, pink—F. Agari, first; W. Yamaguchi, second.



PACIFIC COAST HORTICULTURAL SOCIETY.

Orchid Basket, Exhibited by Pelicano, Rossi & Co., Which Won the John C. Carbone Cup.

Vase of 25, white—Hillsborough Nurseries, first; F. Agari, second.

Vase of 25, yellow—Hillsborough Nurseries, first; F. Agari, second.

Vase of 25, pink—W. Yamaguchi, first; H. Goertzhain, second.

Vase of 25, red—F. Agari, first; H. Goertzhain, second.

Vase of 25, any other color, Shibuya & Ishida Co., first; F. Agari, second.

Single bloom, white—Hillsborough Nurseries, first.

Single bloom, pink—Shibuya & Ishida Co., first.

Single bloom, yellow—Hillsborough Nurseries, first.

Single bloom, bronze—Hillsborough Nurseries, first.

Single bloom, any other color, Hillsborough Nurseries, first.

CUT ROSES GROWN UNDER GLASS.

Three vases of 3 varieties, 25 blooms of each—E. W. McLellan Co., first.

Vase of 50 American Beauties—Hillsborough Nurseries, first; Domoto Bros., second.

Vase of 36, pink—Domoto Bros., first; E. W. McLellan Co., second.

Vase of 36, red—E. W. McLellan Co., first; Domoto Bros., second.

Vase of 36, yellow—E. W. McLellan Co., first; Domoto Bros., second.

Vase of 36, any other color—J. A. Carbone, first.

CUT ROSES, OUTDOOR GROWN.

Twelve varieties, 6 blooms of each variety—C. T. Crocker (William Munro, gardener), first; A. B. Spreckels (Louis Smaus, gardener), second.

Four vases of 4 distinct varieties, 12 blooms of each—C. T. Crocker, first.

Vase of 1 variety, 25 blooms—C. T. Crocker, first; George A. Pope (William Kettlewell, gardener), second.

Collection of 12 species, herbaceous

perennials, 6 or more spikes of each—Eugene de Sabla (William Hill, gardener) first; George A. Pope, second.

CUT CARNATIONS.

Vase of 50, any one variety—Hillsborough Nurseries, first; W. Yamaguchi, second.

Vase of 50, 1 variety red—G. Matsuyama, first; W. Yamaguchi, second.

Vase of 50, 1 variety of white—G. Shibata, first; Hillsborough Nurseries, second.

Vase of 50, 1 variety of pink—G. Shibata, first; Sunset Nursery Co., second.

Seedling, not less than 6 blooms—G. Matsuyama, highly commended.

Vase of 100 sprays of lily of the valley—Ferrari Bros., first.

Vase of lilies, 35 stems—E. W. McLellan Co., first.

ANNUALS.

Collection of 12 distinct species, 6 or more blooms of each—Eugene de Sabla, first; C. T. Crocker, second.

Six varieties of sweet peas, 50 stems of each—Geo. A. Pope, second.

DAHLIAS.

Collection of dahlias in 5 classes, show, peony, decorative, cactus and pompon, 1 bloom of 20 varieties in each class—C. T. Crocker, first.

Collection of 5 classes, show, peony, decorative and pompon, 1 bloom of 10 varieties in each class—Eugene de Sabla, first; George A. Pope, second.

Vase of 50 blooms, any variety—Richard Lohrmann, first.

Collection of single dahlias, 3 blooms each of 12 varieties—Eugene de Sabla, first.

Twenty-five cactus dahlias, 12 varieties—George A. Pope, first; Eugene de Sabla, second.

Twenty-five decorative dahlias, 12 varieties—Eugene de Sabla, first; George A. Pope, second.

Twenty-five show dahlias, 12 varieties—Eugene de Sabla, first.

Twenty-five peony dahlias—Eugene de Sabla, first.

Collection of seedlings grown by originator, George A. Pope, first; Thos. A. Munro, second.

Specimen *Nephrolepis Elegantissima*—H. Plath, first.

Specimen *Davallia*—S. E. Slade, first.

Specimen *platycerium*—S. E. Slade, first.

Tree fern—MacRorie-McLaren Co., first; Eugene de Sabla, second.

Twelve cyclamen plants—Hayashi & Co., first; Eugene de Sabla, second.



ROCHESTER FLORISTS' ASSOCIATION.

Exhibit of H. E. Wilson at the Annual Exhibition.

Best and largest collection tuberous begonias—H. E. Bothin, first; C. T. Crocker, second.

PLANTS.

Collection of 36 chrysanthemums arranged for effect—A. B. Spreckels, first.

Specimen bush chrysanthemum, on single stem showing above soil—M. Sarubo, second.

Outdoor decorative plants, best collection in tubs or boxes—Domoto Bros., first; MacRorie-McLaren Co., second.

Largest and best collection of orchids, arranged for effect with other plants—MacRorie-McLaren Co., first; J. C. Carbone, second.

Three plants of cattleyas in bloom—Western Orchid Co., first.

Three plants of *phalaenopsis* in bloom—MacRorie-McLaren Co., first;

Group of stove and greenhouse foliage plants covering not less than 100 feet square, arranged for effect—Eugene de Sabla, first.

Specimen palm, not less than 10 feet high—Eugene de Sabla, first.

Collection of ferns, covering not less than 100 square feet, arranged for effect—H. Plath, first; S. E. Slade, second.

Twelve crotons, 12 varieties—Eugene de Sabla, first.

Six crotons, 6 varieties—Eugene de Sabla, first.

Twelve dracaenas, 12 varieties—Eugene de Sabla, first.

Six dracaenas, 6 varieties—Eugene de Sabla, first.

Specimen *pandanus*—Eugene de Sabla, first.

Specimen *adiantum*—S. E. Slade, first; H. Plath, second.

Nephrolepis Whitmani—H. Plath, first.

Specimen *Nephrolepis Bostoniensis*—H. Plath, first; S. E. Slade, second.

Twelve plants *Primula obconica*—C. T. Crocker, first; Eugene de Sabla, second.

Hanging basket of flowering plants, open to all—Eugene de Sabla, first; George A. Pope, second.

Hanging basket of foliage plants

made up for show—Eugene de Sabla, first.

Hanging basket of asparagus—Eugene de Sabla, first.

Hanging basket of ferns—S. E. Slade, first; Eugene de Sabla, second.

Three distinct species of foliage plants—Eugene de Sabla, first.

Specimen *asplenium nidus avis*—H. Plath, first; Eugene de Sabla, second.

Miniature garden, 36 inches by 48 inches, open to all—Geo. Theuergarten, first; A. MacDonald, second.

Collection of vegetables—Eugene de Sabla, first; C. T. Crocker, second.

Best exhibit in the show, \$250 Flood challenge cup—MacRorie-McLaren Co.

SPECIAL EXHIBITS, NOT FOR COMPETITION. Golden Gate Park—Collection of stove and foliage plants highly commended.

Mrs. S. E. Hackett—Rustic exhibit of native ferns, lichens and mosses, certificate of merit.

Fred Henkel—Gerbera hybrids, special prize.

Tennyson Nurseries—Outdoor grown chrysanthemums, special prize.

California State Floral Society (amateur) for collection of garden flowers—Honorable mention.

Julius Epstein, for miniature basket of pompon chrysanthemums—Special mention.

MISCELLANEOUS.

Table decoration, round table, covers for ten—Albert O. Stein, first; Pelicano, Rossi & Co., second; Vincent Matraia, special mention.

Vase of chrysanthemums, not less than 50 blooms, foliage permitted, arranged for effect—California Florists, first; Albert O. Stein, second.

Best arranged basket of foliage and flowering plants—Pelicano, Rossi & Co., first; Albert O. Stein, second.

Best arranged basket of orchids and foliage—Pelicano, Rossi & Co., first; Albert O. Stein, second; Vincent Matraia, special mention.

Most original floral design—Pelicano, Rossi & Co., first; Albert O. Stein, second; the Misses Hannon, special mention.

Best corsage bouquet—Pelicano, Rossi & Co., first; Frank Thatcher, second.



ROCHESTER FLORISTS' ASSOCIATION.

Salter Bros.' Exhibit at Annual Exhibition.



ROCHESTER FLORISTS' ASSOCIATION.

Exhibition of J. B. Keller's Sons at the Annual Exhibition, November 5-9.

Most artistic bridal bouquet—The California Florists, first; Pelicano, Rossi & Co., second.

Most artistic bridesmaid's bouquet—Pelicano, Rossi & Co., first; Albert O. Stein, second.

Best arranged hamper or basket, main feature, chrysanthemums—The California Florists, first; Pelicano, Rossi & Co., second.

Most artistically arranged basket of cut flowers—Fairmont Floral Co., first; The California Florists, second.

T. F. TAYLOR.

Rochester Florists' Association.

THE ANNUAL EXHIBITION.

Rochester and "Flower City" have long been synonymous terms, and the attendance at the 1912 exhibition indicates that the title is well deserved. Thousands visited the great mass of flowers in Convention Hall during the five days it was opened to the public. The verdict of the throngs who attended the third flower show is that it surpasses by far the floral carnival of two years ago, and has never been equalled in this city.

The plans were entirely different from those of two years ago. This time the hall was laid out as a huge chrysanthemum garden with pergolas and arches painted white, while the ceiling was entirely hidden by lattice work, covered with southern smilax, beautifully illuminated by electric lights especially designed for the purpose by John C. Parker of the Rochester Railway & Light Co. In the annex was a magnificent water court. At one corner of the west pool a great orange colored globe shed its rich rays on the two pools, which had been filled

with pond lilies and other water plants. Other arc lights illuminated the whole garden and gave a fairy like aspect to the smilax decked trellises that covered the ceiling. In the same garden the Ladies Florists' Association very capably served refreshments in a garden specially set aside for this purpose. Concerts were given daily by the ladies' orchestra.

Comments on the beauty of the individual exhibits were many each day. Each florist had some particular attraction. The exhibitors included: George Eastman, Hiram W. Sibley, the park commissioners, A. N. Pierson, Inc., Cromwell, Conn.; H. E. Wilson, Salter Bros., J. B. Keller's Sons, Geo. J. Keller, George B. Hart, James Vick's Sons, Charles Suhr, Henry P. Neun, E. R. Fry, George T. Boucher, Crosman Bros., Rochester Floral Co., Ellwanger & Barry, F. Schlegel & Sons.

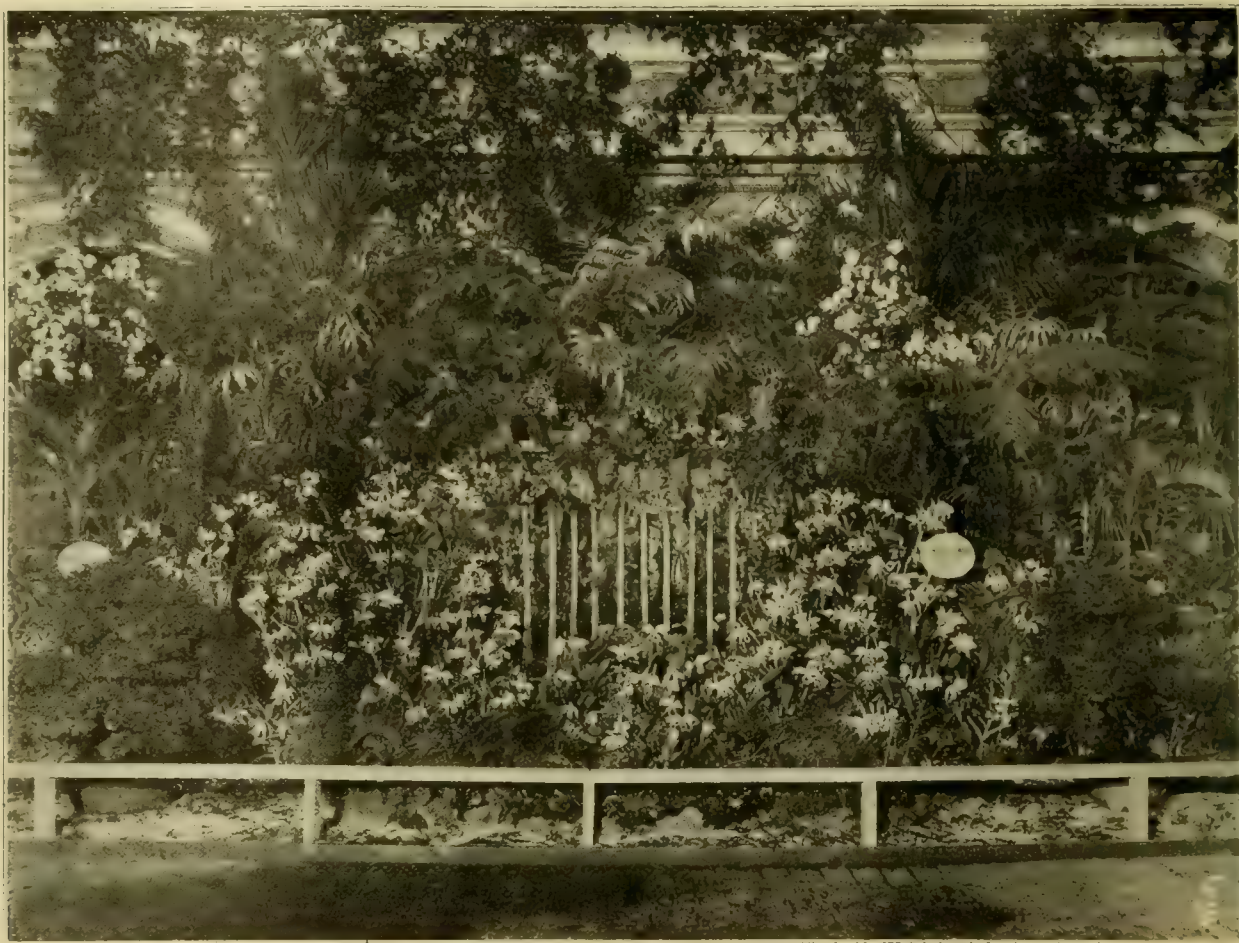
At two o'clock sharp Tuesday, November 5, the park band under Theo. Dossenbach played "America," after which John Dunbar, president of the Rochester Florists' Association, in a few well chosen words called attention to the various exhibits, afterwards asking Charles H. Vick, chairman of the general committee, to say a few words. These were well received by the crowd of visitors. After this Mr. Dunbar called upon the Mayor, H. H. Edgerton, to open the exhibition.

This probably was the largest and most complete exhibit of hardy ornamental fruits ever shown in this country. The park system contains a rich collection of the hardy trees and shrubs of the north temperate zone, received from Dr. C. S. Sargent of the Arnold Arboretum, Harvard University, and

from Europe. Among flowering plants the park commission exhibited about 150 handsome bush chrysanthemums in varying colors of yellow, white, red and pink. A large group of light lavender salvias from Mexico (known botanically as *Salvia leucautha*), were shown as well as a group of showy acacias from Australia in full flower.

George Eastman's exhibit was chiefly that of chrysanthemums and was directly in front of the proscenium arch. It was most prominent owing to size and great number of blooms. Hiram W. Sibley's collection of chrysanthemums and celosias also came in for a generous share of attention. The exhibit of J. B. Keller's Sons in the chrysanthemum garden was featured by a basket of orchids mounted on an alabaster pedestal in the pergola at the right of the music terrace. In the basket were specimens of cypripedium, unoidiums, cattleyas, and laelius. Another exhibit of J. B. Keller's Sons was that of fine potted chrysanthemums as well as cut blossoms in numerous shades. They also made a fine show of roses. Salter Bros.' exhibit was very attractive with its miniature Japanese garden. In the center was a pool of water with gold fish, over which was a rustic bridge, and on the banks of which were pergolas and temples built in realistic fashion. Surrounding this were dwarf Japanese shrubs.

H. E. Wilson's exhibit created a good deal of interest. A huge rubber plant with palms and immense ferns made a fitting background for the fine cut and potted chrysanthemums used. Baskets filled with primroses and begonias, and tied with ribbon to match, were very attractive. A handsome basket of violets and lily of the valley



HOLM & OLSON'S ORCHID DISPLAY AT THE ST. PAUL SHOW.

was very pleasing. Other baskets of yellow, white and pink chrysanthemums, also baskets of white and pink Killarney roses. Mrs. Taft and Mrs. Aaron Ward and a large vase of American Beauties completed the exhibit. Opposite the Wilson display was that of E. R. Fry, who had an attractive exhibit of hawthorn bushes, palms, Norfolk pines, and a large collection of single chrysanthemums. The Rochester Floral Co. exhibited large baskets of delicate pink Killarney roses, and white and yellow chrysanthemums. Also a birch-bark box filled with African violets, tied with ribbons, and a huge basket filled with Lorraine begonias and maidenhair fern. George J. Keller's exhibit was featured by a large datura suaveoleus, which spreads its branches to a width of several feet and is loaded with long white bell-like blooms. Gold fish and birds against a background of autumn leaves were the exhibit of Crosman Bros. Two American Wonder lemon trees, the fruit of which weighs three to five pounds apiece, were also shown. A pool of goldfish surrounded by a rockery bordered with ferns and primroses was the special feature of Schlegel & Sons. The display shown by Henry P. Neun was very marked and the Glenview, Appleton, C. H. Totty and Will's Late deserve special mention. Charles Suhr was the only florist who exhibited azaleas. His collection also included primroses, carnations and chrysanthemums. Geo. B. Hart of the commission house had a fine display of roses. James Vick's also had a fine exhibit of grasses and other flowers. Henry Thomann had a miniature model greenhouse containing real plants and

illuminated by electric light. A. N. Pierson, Inc., Cromwell, Conn., had an exhibit in which he showed a large bouquet of his new rose Milady, as well as a good quantity of American Beauties.

Among the visitors were Mrs. Herbert W. Wadsworth of Ashantee, Mrs. Warham Whitney, of Rock Beach; F. R. Pierson, of Scarboro-on-the-Hudson, and E. W. Kipps, formerly of New York City, but now of Medina, N. Y. Mr. Kipps said he had seen flower shows all over the country but had never attended one which for charm and interest compared with the show here.

HORACE HEAD.

St. Paul Show.

The second show attempted by the Minnesota State Florists' Association was held successfully at the St. Paul Auditorium, November 8-12. After untiring efforts on the part of the committees the show opened its doors at 10 a. m. on Friday morning. The official opening took place Friday evening by the mayor, who made a short address. He then introduced Governor Eberhart of Minnesota, and the governor addressed the audience.

The opening presented an imposing picture. Governor Eberhart was accompanied by his entire staff. Another feature of Friday evening was the christening of a new yellow chrysanthemum originated by Elmer D. Smith of Adrian, Mich. This was christened by a St. Paul debutante and named after her. The chrysanthemum will henceforth be known as Lucille Quin-

lan. This variety is a rich yellow and from all appearances and all the endorsements it received from good authority should prove a good commercial chrysanthemum.

The decorative and plant stock exhibited at this show easily surpassed any ever before exhibited in this part of the country and would favorably compare with any ever exhibited at the national shows. Holm & Olson easily led in prizes received on plant stock, both decorative and blooming. The Poehlman Bros. Co., Chicago, was well represented.

In the basket of orchids which Holm & Olson exhibited and which were awarded first premium were used oncidiums, Vanda coerulea, cattleyas and dendrobiums. The colonial bouquet which received first award was made by L. L. May & Co., and they used roses, lily of the valley and violets. The corsage bouquet award was won by L. L. May & Co. They used lily of the valley and violets. August Swanson won first on a very effective table decoration, orchids, oncidiums, dendrobiums and cattleyas being used. J. W. Hill was awarded a silver cup in the amateur class for the best collection of pot chrysanthemums. W. D. Washburn's photographic exhibit of house and garden was awarded a silver cup.

Holm & Olson's exhibit of orchids, which received the sweepstake prize for the finest exhibit in the hall, was perhaps the finest display of orchids ever attempted throughout the central and western states. A waterfall was installed, around which were grouped hundreds of orchid plants, about 15



ST. PAUL SHOW—GENERAL VIEW.

different varieties being represented. Some very valuable plants were in this group. At the back of the waterfall were grouped tropical plants and ferns. This exhibit attracted considerable attention and was well worth seeing. It also drew the Dispatch and Pioneer Press cup.

The Merriam Park Floral Co. had a beautiful display of orchids, in which were used oncidiums and cattleyas. A pergola was erected and cattleyas were used as a ceiling and around the up-rights and on cross pieces were used oncidiums. The exhibit was awarded a cup as the second best in the entire hall. The St. Paul park board received a cup for a meritorious exhibit of palms, tropical plants and blooming chrysanthemums. The feature of this exhibit was a large vase of chrysanthemums. The Minneapolis park board received an award of merit for a new collection of celosia. Henry Krinke was awarded honorable mention for an exhibit of the new lobelia Mrs. Aug. Swanson. This is a larger and more pronounced type of lobelia than any at this time on the market.

Saturday was designated as rose day and a fine showing was made. Poehlmann Bros. Co. easily were the leaders in this line. A new pink rose Mrs. Geo. Sawyer, which received honorable mention and which scored 87 points was exhibited by C. H. Totty of Madison, N. J. Milady, a new red rose, was shown by A. N. Pierson, Inc., of Cromwell, Conn. It scored 85 points. Both these roses arrived here in fine condition and were much commented on by all. They should both become good commercial varieties. On Satur-

day a handle basket of roses was a feature. Holm & Olson took first on a basket of Sunburst, Melody and Richmond roses. First prize on flowers for bridal party was awarded L. L. May & Co. The bridal bouquet was a shower of valley and roses, the maids' bouquets were of Killarney roses. A cup was the premium for this exhibit. Elmer D. Smith & Co., of Adrian, Mich., received a cup for sweepstakes for best 6 blooms of chrysanthemums exhibited. These were seedlings. Judges were: W. L. Rock, Kansas City, Mo.; J. J. Hess, Omaha, Neb.; J. S. Wilson, Des Moines, Ia.; W. N. Rudd, Chicago. Some of the visitors were: G. J. Rusch, Milwaukee, Wis.; Frank Johnson, Chicago; F. H. Holton, Milwaukee, Wis.; C. C. Pollworth and wife, Milwaukee, Wis.; Aug. Poehlmann and Adolph Poehlmann, Chicago; C. E. Schaeffer, La Crosse, Wis.; G. A. Clausen, Albert Lea, Minn.; H. E. Philpot, Winnipeg, Man.; A. F. Morton, New York; — Rynweth, Holland; N. Nielson, Mankato, Minn.; — Peterson, Anoka, Minn.; W. T. Hall, Osage, Ia.; A. T. Shotwell and — Smedley, Fargo, N. Dak.; Miss Windmiller, Mankato, Minn.; — Reid, Chicago; Adam Zender, Chicago; J. K. M. L. Farquhar, Boston, Mass.; W. H. Hart, Owatonna, Minn.; — Wagner, La Crosse, Wis.; — Harbich, La Crosse, Wis.; Geo. Valker, Minot, N. Dak.; Ed. Goldenstein, Chicago; Fred Lautenslager, representative of Kroeschell Bros. Co., Chicago; S. A. Jamieson, Universal Portland Cement Co., Chicago.

Tuesday the feature was a table decoration without orchids. Holm &

Olson took first in this with a fountain table, the water spraying among the flowers, the center being illuminated. A motor under the table kept the water running. In presentation bouquets Holm & Olson took first with a bunch of oncidiums, valley, violets and roses.

C. K. F.

ELMER D. SMITH'S COMMENTS.

The St. Paul show opened on time and to say it was a magnificent display in all classes is putting it very mildly. The only thing that could have improved the arrangement and general effect would have been more space, so that the groups of plants could have been made more of a distinctive feature. The groups of decorative plants were hardly up to the standard in number of varieties but were very nicely arranged. All the chrysanthemum classes were large, the plants well grown, and the effect displayed was exceptionally good. Many of the groups of singles, anemones and pompons, were most creditable. Some of the displays of miscellaneous plants were very fine, both as to quality and number of varieties. The entries in the cut flower classes were not as large as one would expect, considering there are but two exhibitions in the west this season. Many of these exhibits showed a high state of cultivation, being fully up to the standard of former years. The Minnesota State Florists' Association deserves much praise for the able manner in which every detail was handled and should be complimented upon the general effect, the splendid arrangement and the superb quality of the whole exhibit.

Tarrytown, N. Y. Horticultural Society.**FOURTEENTH ANNUAL EXHIBITION.**

The exhibition of the above named society opened in Music Hall, Tarrytown, November 6. Excellent as its displays have been in previous years, this one far surpassed all that have gone before, and would favorably compare with many exhibitions held on a much larger scale and drawing exhibits from a much wider range of territory. Though largely an exhibition from the estates of wealthy men where the private gardener is an all important factor, yet there were fine exhibits from commercial growers also.

The F. R. Pierson Co. of Tarrytown and Scarborough made a fine display of American Beauty and other roses and their well-known ferns and other foliage plants. Scott Bros., Elmsford, N. Y., another commercial firm, exhibited a new carnation and other stock. A. N. Pierson, Inc., Cromwell, Conn., exhibited their new red rose Milady, and Chas. H. Totty, Madison, N. J., his pink rose, Mrs. Geo. Sawyer. The entire hall, including the stage, was one grand mass of bloom with just enough fine foliage to heighten the effect.

In addition to the great stock of large chrysanthemums there were tables of orchids and foliage plants which added much to the beauty of the scene. Hanging baskets of ferns were also dispersed about the hall. For decorative effect but not entering into competition the F. R. Pierson Co. furnished much fine stock. A notable feature of November 7 was the keen competition for the silver cup offered by Mrs. Stuyvesant Fish for the best arranged floral decoration for a circular dinner table 6 feet in diameter and seating 12 persons.

There were a number of competitors in the decorations, ranging through Killarney and Sunburst roses to chrysanthemums, begonias and other blooms, and in the details there was much elaborate work. In the center of the hall stood a giant kentia, a prize winner, exhibited by Miss Blanche Potter of Ossining, N. Y. (George Wittlinger, gardener). In addition to the many fine flowers there was a most notable exhibit of fruit and vegetables, a large wing of the hall being occupied by this stock. The awards follows:

Society's silver medal for new flower, foliage or decorative plant—Elmsford Nurseries (Scott Bros.), for new nephrolepis.

F. R. Pierson's silver cup to exhibitor receiving largest number of prizes in all classes—William Rockefeller (Geo. Middleton, gardener).

J. D. Archbold's prize for 12 blooms chrysanthemums, distinct varieties—William Rockefeller, first; S. P. Shotter (Allen Jenkins, gardener), second.

Mrs. Ferdinand Hermann's prize for 20 blooms chrysanthemums, distinct varieties—Emil Berolzheimer (Wm. Jamieson, gardener), first; William Rockefeller, second; Joseph Eastman, third.

Arthur T. Boddington's prize for 6 blooms chrysanthemums, distinct varieties—Geo. Legg (John Elliott, gardener), first; Chas. Mallory (Wm. J. Sealey, gardener), second; Hugh Hill (Robert Grieve, gardener), third.

C. P. Johnson's prize for collection of single chrysanthemums—H. Darlington (P. W. Popp, gardener), first.

Vaughan's Seed Store's prize for 3 blooms chrysanthemums, one each, white, pink and yellow—William Rockefeller, first; S. P. Shotter, second.

Addison Johnson's prize for most effectively arranged vase of 18 chrysanthemums—Samuel Untermeyer (N. H. Waite, gardener), first; Miss Blanche Potter (Geo. Wittlinger, gardener), second.



NEW CHRYSANTHEMUM LUCILLE QUINLAN.

Charles Vanderbilt's prize for largest chrysanthemum selected from all the exhibits—Emil Berolzheimer.

Miss Blanche Potter's prize for exhibit of 6 blooms chrysanthemums, distinct varieties; 12 roses of one variety other than American Beauty, and 12 carnations, one variety—William Rockefeller, first (silver cup); Fredk. Potter (Wm. C. Roberts, gardener), second; Joseph Eastman, third.

Mrs. J. B. Trevor's prize for 12 blooms chrysanthemums, any one variety—William Rockefeller, first; Fredk. Potter, second.

Mrs. William Church Osborn's prize for 36 blooms chrysanthemums, six varieties, three of each—William Rockefeller, first; Fredk. Potter, second.

William Rockefeller's prize for 18 blooms chrysanthemums, six varieties, three each—Samuel Untermeyer, first (silver cup); Wm. B. Thompson (R. L. Cushman, gardener), second.

Charles Mallory's silver cup for 24 blooms chrysanthemums, four distinct varieties, six each—Joseph Eastman.

Pierson U-Bar Company's prize for

18 blooms chrysanthemums, three varieties, six each—William Rockefeller, first.

Elmer D. Smith & Company's prize for 6 blooms chrysanthemums—Emil Berolzheimer, first; Fredk. Potter, second.

H. H. Cannon's prize for 12 blooms chrysanthemums, four varieties, three each—Wm. Rockefeller, first; Miss Blanche Potter, second.

Mrs. James Speyer's prize for most effectively arranged display of orchids—Emil Berolzheimer, first (silver cup); Samuel Untermeyer, second.

W. A. Read's prize for most effectively arranged table of decorative plants—S. P. Shotter, first; Joseph Eastman, second.

Wm. F. McCord's prize for three begonia Gloire de Lorraine—Emil Berolzheimer, first (silver cup).

H. Darlington's prize for box of vegetables—S. P. Shotter, first; E. L. Coster (Edw. Kane, gardener), second.

Burnett Brothers' prize for collection 12 different vegetables grown out



NEW CHRYSANTHEMUM ELBERON.

of doors—M. C. Herrmann (James Stevens, gardener), first; E. L. Coster, second.

The H. L. Frost & Bartlett Company's prize for standard box of apples, any variety—W. A. Read (A. Underwood, supt.), first; Geo. J. Neubert, second.

Mrs. Stuyvesant Fish's prize for best arranged floral decoration for circular dinner table—Samuel Untermyer, first; R. Delafield (Wm. Brock, gardener), second; M. L. Sand (Thos. A. Lee, gardener), third.

An honorary member's prize for vase 12 blooms White Killarney roses—S. P. Shotter, first; Fredk. Potter, second. A friend's prize for vase 12 blooms Mrs. Aaron Ward roses—No award.

Adolph Lewinsohn's prize for vase 12 blooms Sunburst roses—F. W. Vanderbilt, first (silver cup).

Mrs. J. A. Stillman's prize for vase 12 blooms Richmond roses—Fredk. Potter, first.

Mrs. Isaac N. Seligman's prize for basket of cut flowers—Samuel Untermyer, first; R. Delafield, second.

Felix M. Warburg's prize for centre piece for table—S. P. Shotter, first; Emil Berolzheimer, second.

Lord & Burnham Co.'s prize for best 18 roses other than American Beauty, three varieties, six each—F. W. Vanderbilt, first (gold medal).

Richard Langley's prize for vase 12 blooms Pink Killarney roses—S. P. Shotter, first; Fredk. Potter, second.

Mrs. Henry Fairfield Osborn's prize for 12 blooms one variety rose other than American Beauty—F. W. Vanderbilt, first.

H. Darlington's prize for vase 12 blooms carnations, one variety, any color—Wm. Rockefeller, first; H. J. Park (A. L. Marshall, gardener), second.

Col. Robert C. Clowry's prize for 36 blooms carnations, six varieties, six each—William Rockefeller, first (silver cup); S. P. Shotter, second.

CHRYSANTHEMUMS IN POTS.

Bush plant, white—Samuel Untermyer, first.

Bush plant, pink—Samuel Untermyer, first.

Bush plant, any other color—Samuel Untermyer, first.

PLANTS IN POTS.

For most effectively arranged group of palms, flowering and foliage plants to occupy 100 square feet—Joseph Eastman, first.

Specimen kentia—Miss Blanche Potter, first.

Six plants suitable for table decoration—Adolph Lewinsohn (John Canning, gardener), first; Joseph Eastman, second.

Six ferns for table decoration—Wm. Kastberg, first; Theo. Trevillian, second.

Specimen fern—William Kastberg, first; Claude Wilson, second.

Pair adiantum, other than Farleyense—Wm. B. Thompson, first; W. A. Read, second.

Begonia Gloire de Lorraine—Emil Berolzheimer, first; Hugh Hill (Robert Grieve, gardener), second.

CHRYSANTHEMUMS—CUT BLOOMS.

Six blooms, white—William Rockefeller, first; William B. Thompson, second.

Six blooms, yellow—William Rockefeller, first; Fredk. Potter, second.

Six blooms, pink—Wm. Rockefeller, first; Wm. R. Harris (H. M. Blanche, gardener), second.

Six blooms, crimson—William Rockefeller, first; Fredk. Potter, second.

VIOLETS.

Bunch 50 double blue—Hugh Hill, first.

Bunch 50 single blue—Miss Blanche Potter, first; D. E. Oppenheimer (A. Macdonald, gardener), second.

Bunch 100 double blue—Richard Langle, first.

Bunch 100 single blue—Richard Langle, first; Samuel Untermyer, second.

FRUITS.

Six varieties apples, six each—W. A. Read, first.

Three varieties apples, three each—S. P. Shotter, first; W. A. Read, second.

Six any one variety of apples—S. P. Shotter, first; W. A. Read, second. Six any one variety of pears—Mrs. W. H. Pullan, first; Fredk. Potter, second.

Two bunches greenhouse grapes, black—Joseph Eastman, first.

VEGETABLES.

Six heads celery—W. B. Thompson, first; Joseph Eastman, second.

Twelve onions, one variety—S. P. Shotter, first; Adolph Lewinsohn, second.

Six leeks—S. P. Shotter, first; Mrs. Stuyvesant Fish, second.

Two heads cabbage—Emil Berolzheimer, first; M. C. Herrmann, second.

Two heads cauliflower—Geo. Legg, first; S. P. Shotter, second.

Three heads lettuce—M. C. Herrmann, first; Fredk. Potter, second.

FOR AMATEURS ONLY.

Window plant, any other than chrysanthemum—Allan Ward, first.

Vase chrysanthemum blooms—Mrs. I. Bashford, first.

CARNATIONS AND ROSES—CUT BLOOMS. Vase 25 blooms carnations, one variety—Elmsford Nurseries, first; J. D. Cockcroft, second.

Vase 25 roses—F. R. Pierson Co., first.

ROSES—CUT BLOOMS.

Twelve American Beauties—F. W. Vanderbilt, first; Samuel Untermyer, second.

Twelve pink—F. W. Vanderbilt, first; S. P. Shotter, second.

Twelve white—S. P. Shotter, first; Fredk. Potter, second.

Twelve yellow—S. P. Shotter, first; Samuel Untermyer, second.

Twelve crimson—Fredk. Potter, first.

Twelve any other color—Fredk. Potter, first.

CARNATIONS—CUT BLOOMS.

Eighteen blooms, three varieties, six each—H. J. Park, first; Adolph Lewisohn, second.

Twelve blooms, white—Fredk. Potter, first; Adolph Lewisohn, second.

Twelve blooms, scarlet—Fredk. Potter, first; Wm. Rockefeller, second.

Twelve blooms, dark pink—Wm. Rockefeller, first; R. Delafield, second.

Twelve blooms, light pink—Fredk. Potter, first; Joseph Eastman, second.

Twelve blooms, streaked—Fredk. Potter, first; Wm. Rockefeller, second.

Twelve blooms, crimson—Fredk. Potter, first; T. W. Vanderbilt, second.

M. C. Ebel's prize for basket cut flowers, arranged and exhibited by a lady—Miss Belle Scott, first (fruit dish).

W. E. Marshall & Company's prize for six heads celery, three heads cauliflower and six onions—H. E. Rogers (Thos. L. Fisher, gardener), first; M. L. Sand (Thos. A. Lee, gardener) second.

Peter Henderson & Company's prize for best collection of six vegetables grown out of doors—S. P. Shotter, first; Mrs. Stuyvesant Fish, second.

Certificates of merit—Emil Berolzheimer for dinner table decoration; C. H. Totty for new rose Mrs. Shawyer; A. M. Pierson, new rose Milady; Wm. Rockefeller, new carnation Rockwood Hall.

Cultural certificate—W. R. Harris (H. M. Blanche, gardener), for exhibit of *Celosia plumosa*.

Honorable mention—F. R. Pierson Co. for fine exhibit of roses, ferns, etc.; Scott Bros. for single chrysanthemum.

Judges the first day were: Alex. Mackenzie, Glen Cove, N. Y.; A. Bauer, Deal Beach, N. J.; A. Briske, Noroton, Conn. For the second day they were: F. Herrmann, Lenox, Mass.; Robert Spiers, Dalton, Mass.; John R. Fotheringham, Tarrytown, N. Y. Table judges the second day were: Mrs. Stuyvesant Fish, Miss Fish, Miss Thompson. EL. W. NEUBRAND.

Northern Westchester Co. Hort. Society.

ANNUAL FLOWER SHOW.

The tenth annual flower show of the Northern Westchester County Horticultural and Agricultural Society of Mt. Kisco, N. Y., was held at St. Francis Hall, October 31-November 2, 1912. All the classes on the schedule of any note were well filled and competition was extremely keen. The hall was filled to its utmost capacity, though nearly double the size of the hall used in former years. One remarkable feature of this year's show was the general excellence of the exhibits. Among those entries to be noted was the superb collection of orchids of Miss Bliss of New Canaan, Conn., and also those of Hobart Park, Highland Farm, Portchester, N. Y. John Boruss and Alex. Marshall, respectively, are gardeners in these establishments and both are masters of the craft. Mr. Boruss was first. The greatest winner in the whole show was Alex. Thompson, Alex. Marshall coming close at his heels a good second.

Wm. Scott, of Scott Bros. (Elmsford Nurseries), was first in the carnation class (not disseminated), with "Wm. Eccles." Jas. D. Cockcroft, Northport, L. I., with "Northport," was second. Both these growers got a certificate of merit for their very valuable productions. Adolph Lewisohn, Esq., Ardsley, N. Y., showed a superb plant of

"Annie Laurie" as a specimen bush plant which easily took first and was much admired. John Canning is the gardener on this fine estate and must be commended for his extremely patient and admirable work. The big chrysanthemums were well and thoroughly represented in all classes, the "Bailey Special" bringing out some very fine specimens. Mrs. Neustadt (David Gordon, gardener), was first; Miss Bliss. New Canaan, Conn. (J. Burn, gardener), second; Mrs. Moses Taylor (Alex. Thomson, gardener), third.

In the estimation of all who attended this show no other of recent years could come near it for excellence of flowers, location of hall and general appearance of the exhibits when staged. The judges were—Wild of Greenwich, Conn., Wm. Jamison of Tarrytown, N. Y., and Tom Aitcheson of Mamaroneck, N. Y. The awards were as follows:

CUT CHRYSANTHEMUMS.

Twelve cut blooms, not less than 6 varieties—Mrs. Moses Taylor (Alex. Thomson, gardener), first; Mrs. Neustadt (David Gordon, gardener), sec-

ond; Adolph Lewisohn. Ardsley, N. Y. (John Canning, gardener), third.

Six white—Mrs. Neustadt, first; Miss Bliss, second.

Six yellow—Mrs. Neustadt, first; Miss Bliss, second.

Six red—Mrs. Neustadt, first; Miss Bliss, second.

Six pink—Mrs. Neustadt, first; Mrs. J. H. Hammond (John Connolly, gardener), second.

Six, any color—Hobart Park, first; Mrs. Neustadt, second.

Collection of pompons—Hobart Park, first.

Collection of single flowers—Miss Bliss, first; Hobart Park, second.

CHRYSANTHEMUM PLANTS.

Twenty in pots, not exceeding 7 inches—Clarence Whitman (William Will, gardener), first.

Single plant in pots—Mrs. Taylor, first; James Sutton (D. Fraser, gardener), second.

Six best plants—Mrs. Neustadt, first; C. Whitman, second.

Specimen best plant—Adolph Lewisohn, Ardsley, N. Y. (John Canning, gardener), first; James Sutton, Mt. Kisco, second.



NEW CHRYSANTHEMUM MARY E. MEYERS.

OTHER CUT FLOWERS.

Collection of roses—Hobart Park, first; J. J. Riker (A. E. Townsend, gardener), second.

Seedling carnation, not disseminated—Scott Bros. (Elmsford Nurseries), with Wm. Eccles, first; James D. Cockcroft, Northport, L. I., with Northport, second.

Six blooms red carnations—Hobart Park, first; J. J. Riker, second.

Six blooms white carnations—Hobart Park, first; Mrs. Neustadt, second.

Twelve pink carnations—Hobart Park, first; Mrs. Neustadt, second.

Bunch (50) single violets—Mrs. Neustadt, first; Hon. Seth Low (Hugh Birch, gardener), second.

Bunch of double violets—C. Whitman, Katonah, N. Y., first.

OTHER PLANTS.

Collection of decorative plants, space 8 or more feet in diameter—Mrs. Moses Taylor, first.

Best specimen plant in show—Mrs. Moses Taylor, first; Mrs. W. J. Sloane (E. Cullen, gardener), second.

Six plants for table decoration—Mrs. Moses Taylor, first; Hobart Park, second.

Pair adiantums—Mrs. Moses Taylor, first.

Specimen fern—Hobart Park, first; Mrs. Moses Taylor, second.

Three Lorraine begonias—J. J. Riker (A. E. Townsend, gardener), first; Mrs. Moses Taylor, second.

Six plants for house decoration—Mrs. Moses Taylor, first.

Six geraniums—C. Whitman, first.

Collection of orchids—Miss Bliss, first; Hobart Park, second.

MISCELLANEOUS.

Collection of pears—A. W. Butler, first; J. H. H. Harriman, second.

Six heads of celery—Mrs. J. H. Hammond (John Connolly, gardener), first; A. W. Butler (John T. Hall, gardener), second.

Twelve distinct vegetables for exhibition—Mrs. Moses Taylor, first; C. Whitman, second; Mrs. J. H. Hammond, third.

Twelve distinct vegetables for table use—Hon. Seth Low, first; Eugene Meyer (Chas. Ruthrun, gardener), second; A. W. Butler (J. Hall, gardener), third.

Collection of farm produce—J. H. Hammond (Alex. Findley, superintendent), first.

Fern, for amateurs—John Connolly (11 years), first.

The Bailey prize, 24 chrysanthemums, not less than 12 varieties—Mrs. Neustadt, first; Miss Bliss, second; Mrs. Moses Taylor, third.

Twelve chrysanthemums, not less than 6 varieties, limited to members of society—Hobart Park, first; Mrs. Neustadt, second; Mrs. Moses Taylor, third.

Eight chrysanthemums grown on single stem—James Sutton (D. Frazer, gardener), first; C. Whitman, second.

Bouquet of flowers—A. H. Scribner (A. Kast, gardener), first; Mrs. Moses Taylor, second; J. Borden Harriman, third.

Special prize for largest chrysanthemum in show—Mrs. Neustadt, first.

Dinner table decoration (gardeners')—Mrs. Moses Taylor, first; C. Whitman, second; J. Borden Harriman, third.

Ladies' dinner table decorations—Mrs. Moses Taylor, first; Mrs. Harriman, second.

Collection of orchids (private gardeners')—J. Borden Harriman (M. J. O'Brien, gardener) first.

M. J. O'BRIEN.

SPRINGFIELD, MASS.—Plans for next year's flower shows, to begin with a tulip exhibition in April, were made at a meeting of the Springfield Horticultural Society November 2.



NEW CHRYSANTHEMUM YONKERS.

CHRYSANTHEMUMS

Some of Smith's Novelties.

We present in this issue illustrations of a number of new chrysanthemums produced at the well known establishment of Elmer D. Smith & Co., Adrian, Mich., as follows:

Yonkers—A yellow Japanese nearest to Yellow Miller in color, which it equals in size. Strong sturdy stem with foliage close to bloom. Adapted for commercial or exhibition use. Best bud August 15, cut October 25. C. S. A. certificate 89.

Lucille Quinlan.—In color bright yellow, same shade as Col. D. Appleton, but not so closely incurved, although decidedly globular in form. Shows no trace of bronze from late buds. Ready October 30. Best bud August 15. Suitable for either commercial or exhibition use. C. S. A. certificate 95.

Mary E. Meyer.—Japanese of medium size and especially adapted for commercial use. Growth short jointed,

excellent stem and clothed with ample foliage which extends up to the bloom. In perfection November 1. Best bud August 25. Height 3 feet. C. S. A. certificate 93.

Elberon.—An exceptionally large Japanese incurved, 8 by 9 inches, of the M. Loiseau-Rousseau color and type, having less contrast between the upper and under surface of petals and presenting a more pleasing shade of pink. Very strong grower, with heavy rigid stem and ready to cut October 15. Unsurpassed as an exhibition sort either for collections or vases. C. S. A. certificate 95.

Notes of Novelties, Etc., at the American Institute Show, New York.

The date of this show was a little late for most of the large chrysanthemum blooms, which owing to the warm, bright weather matured earlier than usual this season, and many of the flowers showed the effect of having been stored, but still there was a grand array of fine blooms. The variety Wm. Turner, a large incurved white, was without a doubt the most

conspicuous in the show. It was displayed in fine shape by Chas. H. Totty, Madison, N. J., and J. MacDonald, gardener to J. H. Ottley, Glen Cove, Long Island, N. Y., and also by one or two other exhibitors. The six blooms of Harry E. Converse, which won the Harry E. Converse cup of the C. S. A. specials, exhibited by Ernst Wild, gardener to C. W. Harkness, Madison, N. J., were magnificent specimen blooms of this variety, being one of the best vases of flowers in the show and a great credit to the grower. The light pink variety F. E. Nash, a large Japanese reflexed, was in extra fine form. Some of the blooms were a little faded out, but in every other respect they were grand.

The twenty-five blooms of Col. D. Appleton, shown by Traendly & Schenck, Rowayton, Conn., were fine in every way and showed that this old variety can still be grown to take its place along with the best of them. Wells' Late Pink appears to be very popular with the gardeners around New York and it was shown in excellent form. Wm. Woodmason stood out very prominently in the collection. It is a big bloom of the chestnut color. A very fine bloom of Yellow Miller was noticed in the collection. Mary Mason, an old variety that is not seen much in the West any more, was shown in fine form. Mrs. H. Stevens was another very striking variety. Onunda was fine as regards size but the color is not pure enough. Wm. Mease, Pockett's Surprise, Pockett's Crimson, Mary Donnellan, F. S. Vallis and Mrs. O. H. Kahn were also shown in fine shape.

There were very few seedlings or undisseminated varieties. Elmer D. Smith & Co., Adrian, Mich., exhibited a very large incurved pink named Elberon, but unfortunately it arrived late and it had suffered considerable in travel. It appears to be a worthy addition to the list of exhibition varieties. It has good size, fine form and is apparently of good color when in condition. A big array of pompon varieties were staged and among them were some very fine forms of this type. The Hitchings cup for the best 10 vases of pompons was won by the Mount Greenwood Cemetery Association, Morgan Park, Ill., with ten vases of seedling pompons, several of which are worthy of special mention. A room set apart for the purpose was entirely filled with hardy varieties, making a great display. A vase or two of the hairy varieties were noticed, a type not often seen at the exhibitions any more. The same can be said of the anemone, of which there was a fine lot of blooms.

Chas. H. Totty had also a fine collection of single varieties. Notable among them were: Wm. Buckingham, a fine white; Mensa White, another good one; Robt. Thorpe; Lady Bedford; and Josephine, a light yellow and a very large flower of this type with lots of substance. A. N. Pierson, Inc., Cromwell, Conn., made a grand display of single and pompon varieties the same as they use for their commercial trade. They were well grown, of fine color and with plenty of substance. The Cottage Gardens, Queens, New York, had on exhibition their new white carnation Matchless, which is a large fine bloom of good color and form with five calyx and carried on long stiff stems. Also they showed a variety named Vivid, a bright cerise,

particularly good as to color and form of flower, also having a good stem.

Traendly & Schenck staged several vases of standard varieties of carnations and a vase of their new variety Salmon Queen, a salmon sport of Enchantress in every respect the same as the parent but of an even more salmon color. The White Perfection and Pink Delight were well grown flowers equal to any seen on exhibition at this season of the year, but the best vase of blooms of the exhibit was that of Mrs. C. W. Ward. These were simply grand, the best the writer has seen at this time of the year and a vase of carnations that would be hard to beat at any time. Traendly & Schenck exhibited several vases of standard varieties of roses on long stems. They were a fine lot of well grown stock worthy of special mention.

The novelty roses were out in full force. A. N. Pierson, Inc., Cromwell, Conn., exhibited Milady, a fine red rose, very fragrant, of good color, form and lots of substance. It opens out double and appears to be a splendid keeper. Chas. H. Totty, Madison, N. J., exhibited Mrs. George Shawyer,

a beautiful pink rose. The flowers were large, of fine color, very fragrant, of good form and carried on 4 to 5-foot stems. This also has the appearance of being a fine acquisition.

The Waban Conservatories, Natick, Mass., exhibited the Mrs. Chas. Russell, which, judging by the vase of blooms on exhibition, would seem to be the finest creation of all roses. We do not know anything about the productiveness or growth of this newcomer, but the color form, stem and every other point of the flowers shown were magnificent. Henry J. Allen, gardener to F. W. Vanderbilt, exhibited Lady Alice Stanley, also a pink rose but a little weak in stem and not up to the grade of the Mrs. Shawyer or Mrs. Russell. C. W. JOHNSON.

ST. PAUL, MINN.—S. D. Dysinger has a very interesting review of the history of the flower business of this city in a recent issue of the Pioneer Press.

PASADENA, CALIF.—At a meeting of the flower show committee of the Pasadena Horticultural Society reports showed that fully 7,000 persons attended the show, October 24-26, and that it was the most successful in every respect ever held.



NEW ROSE MILADY—FROM A. N. PIERSON, INC.



NEW ROSE MILADY, FROM A. N. PIERSON, INC., CROMWELL, CONN.

New Rose Milady.

The new rose Milady, which has been awarded many honors at the recent exhibitions, is an American seedling raised by Edward Towill, Roslyn, Pa., from whom the entire stock of this rose was purchased last season by the introducers, A. N. Pierson, Inc., Cromwell, Conn. It is a hybrid tea, a cross between Richmond and J. B. Clark and from the latter parent has taken the characteristic of strong growth, heavy petalage and fragrance. In color, it is similar to the Richmond in the bud but as an open rose it is a very distinct red. By the introducers it is not classed as a crimson, the color being a pleasing shade of red. The flower opens delightfully and owing to its beautiful form in the wide open stage, has made a very decided impression on the public attending the flower shows in the east and on the commercial growers who have seen it both on the exhibition table and growing. The accompanying illustrations show character of growth and it is believed by the introducers to be a free blooming red rose that will be commercially profitable.

NEW BEDFORD, MASS.—The annual chrysanthemum show of the New Bedford Horticultural Society was held November 1.

SAN DIEGO, CALIF.—State Horticulturist A. J. Cook intends to import insects from Japan and the Philippines to fight the Mediterranean fly.

PLANT NOTES.

Catch Crops.

With the close competition that the greenhouse man is up against at the present day it does not pay to have any of the bench room idle, or if a crop shows that it is not going to succeed and be remunerative it had better be thrown out and the room occupied by something that will pay. The several different plants and flowers have their seasons, and when they are done a succeeding crop should be all ready prepared to take the place. It therefore pays to have some catch crop ready in cases of this kind. There are many annuals that can be grown and carried along in small pots and if not used and eventually discarded the loss is small. These if planted out in the benches will bloom in the early spring and give a very welcome variety to the flowers of that season. There are many flowers grown today that were first grown as catch crops, such as the antirrhinum. Among others which might be grown this way are the centaureas, either bachelor's buttons or sweet sultans, nasturtiums, lupins, calendulas, eschscholtzias, salpiglossis schizanthus, stocks and others. There are also many of the early blooming perennials which can be lifted and heeled in where they can be easily obtained during the winter and transplanted to the greenhouse. Among these are *Coreopsis lanceolata*, *Aquile-*

gia cærulea, *gaillardias*, *heuceras*, *sweet williams*, and others which the grower has in stock. A dealer will always find customers who appreciate these flowers which are often not seen during the winter months, and by having the stock of a few of these odd things can often plant out a section of a bench that otherwise would not be returning any revenue, and thereby prevent loss.

Primulas.

As fast as the primroses grow space them out so that there is a good distance between each plant, and so that the leaves do not touch, allowing room between the plants for a free circulation of air. If the plants are placed on a bench with a front and back board, place boards across and set the plants on these or stand the pots on inverted pots so as to bring them up into the air. Take care in watering not to wet the foliage more than necessary, or the leaves will be spotted. Many good primulas are ruined by being overcrowded and the foliage allowed to remain damp. If the plants are not going to be in flower for the holidays they can be placed in a temperature of 60° at night for a short time which will rapidly bring them along, but do not attempt a higher temperature than that, nor for any great length of time. These plants are cold-loving subjects and are more satisfactory in a house that never goes above 50° at night. *Primula obconica* is now blooming freely and can be kept in bloom until spring if grown

cool. These plants are particularly useful in filling Christmas baskets. Care must be taken in the handling of these plants by persons who are at all subject to poisoning from coming in contact with this, rhus, or other poisonous plants, for they sometimes cause a very troublesome and irritating eruption of the skin.

Ardisias.

The berries of the ardisias should now be turning a bright red and the foliage taking on that beautiful glossy appearance which makes this plant so popular at the holidays. Where these plants are grown in great heat the berries do not color as brightly and the leaves lack that thick, leathery texture and glossy appearance, and the plants are not so satisfactory in the houses. They also chill very easily, and if this happens the berries drop off. It is much better to finish them from this time on in a bright, sunny house, with good ventilation; this will tend to color up the fruit and give the plants a much healthier appearance, and they will prove more satisfactory. We have seen these plants where grown cool and not forced hold their berries until the next year's crop was borne. Keep a sharp lookout for scale on ardisias, they quickly get covered with the brown scale unless carefully watched, and when these insects appear constant washing is the great remedy. Clean off the first that appear. "An ounce of prevention is worth a pound of cure."

WITH THE GROWERS

The Robert Craig Co., Philadelphia, Pa.

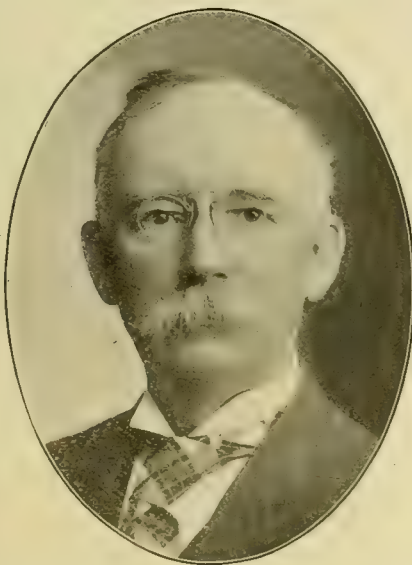
When Robert Craig built his first range of glass, consisting of two houses 18x60 feet, at Forty-ninth and Market streets 43 years ago, there was scarcely a dwelling in sight. Now he is so entirely surrounded by houses and business establishments that there is not room for the necessary expansion of the business, and the land too has become so valuable that negotiations with builders the past year have almost reached the selling point. In the event of a sale the entire plant is to be added to the already large range of over 100,000 feet at Norwood, a suburb about eight miles out on the lines of both the Pennsylvania and Baltimore & Ohio railroads.

The Craig establishment is the Mecca of many growers who visit the place from time to time on the lookout for new things and at the same time to get a line on the latest wrinkles in the growing of the specialties to be found here. Among the popular plants the Boston Fern and its varieties are grown in immense quantities. In all sizes over an eight-inch pot Mr. Craig prefers the tubs, as they are lighter and do not break like the earthen receptacles. The list of varieties embrace the Boston, Scottii, Todeaoides, Elegantissima (improved and compacta), Giatrasi, Scholzelii, Amerpohli, Harrisii and a dwarfier form of this celebrated variety which is more compact and which originated here.

Many of the plants are grown on pedestals or plant stands or are finished on these elevated positions, which insures perfect symmetrical plants. Dracenas are one of the features, all

of the best decorative varieties being seen in various stages of growth. The canes from which the young stock is obtained are grown on the Craig plantation in the Isle of Pines from plants set out by Mr. Craig's own hand. Varieties that took a long time to work up are now grown as easily as the most common sorts. Mr. Craig says the best sellers are *Dracena terminalis*, Lord Woolsley, Massangeana, Fragens, Mandiana, De Smetiana and Bronze Beauty.

The croton is at home here. In fact, Mr. Craig might with truth be called the Croton King of America. All the sorts worth growing are to be found here in quantity. Those that are best for house decoration are given special attention and many handsome specimens are seen. To secure perfect plants the top of strong growing shoots are rooted into moss by cut-



Wm. J. Stewart.

First Vice-President Boston Gardeners' and Florists' Club.

ting, as is done with the rubber. Most of the stock, however, is grown from cuttings of strong end shoots, in beds of sand with bottom heat. The following list of some of the best sorts for culture in the house is given by Mr. Craig: Reedii, Queen Victoria, Chantileerii Major, Pere Charon, P. S. Randolph, Fred Sander. There are fifty other fine sorts also.

Among Mr. Craig's new ones are Mrs. August Poehlmann, Canada, America, Mrs. Robt. Halliday, John W. Pepper. A select lot of seedlings have been named after the 13 original states of the union. They are very choice and distinct in their colorings.

Rubber plants have long found favor here. *Ficus pandurata* is the leader in this class of plants. They are propagated from mossed shoots, the stock plants being planted out. New varieties are *Ficus Utilis* and *Clanvierii*. *Begonias Gloire de Lorraine* and *Cincinnati* are grown in large quantities. Shoot and leaf cuttings are both used in propagating. Over 75,000 young plants were sent out during the sum-

mer and several houses are given up to the growing of specimen plants for the holiday trade. Cyclamens are another specialty and always attract attention from the visitor. Much of the stock is grown from seed saved from plants of the best selected stock of the previous season.

Poinsettias are especially well grown. Nothing is quite so gorgeous as the poinsettia for a Christmas plant, and although the quantity is increased each year the cry is always for more than can be supplied. Cuttings are taken from stock plants grown indoors. Outside plants were at one time thought best, but cuttings from inside culture are found to strike easier and make a quicker growth. The growing of Easter plants is one of the important branches of the business. Rambler roses are a leader, and large quantities are carried over in pots so that the wood shall be thoroughly ripened. The early date of Easter in 1913 has hastened this stage of the preparation, the pots having been laid over on their sides for a month past.

Years ago greenhouse structures were erected generally by the growers themselves with the least possible expenditure of money. As the years roll by, however, the short lives of these buildings proved their inefficiency, and this work is now almost entirely in the hands of specialists who erect greenhouses that are so staple that they will last a lifetime and into the next generation. The recent addition of iron frame houses containing 50,000 feet of glass just completed at the Norwood branch is the latest word in such buildings, and contains the most up-to-date appliances for heating and ventilating. With ordinary care these houses should last for fifty years and perhaps longer.

Robert Craig, who carries his sixty odd years gracefully, is still actively in the harness and taking great interest in the building up of the new place and the great stock with which it is filled. Robert, Jr., has charge of the old establishment at Forty-ninth and Market streets and is ably seconded by Wm. P., who spends much of his time on the road, keeping the trade supplied with the Craig stock. Between the two places the glass area is nearly 300,000 feet, all devoted to the culture of plants in pots which reach the public through the medium of the retail florist.

ROBERT KIFT.

Boston Gardeners and Florists.

The twenty-fifth anniversary banquet of the Gardeners and Florists' Club of Boston was held in Horticultural Hall, November 11, 350 being present. Vice-President Kennedy, in the chair, introduced Walter Ballantyne as toastmaster. "The Commonwealth of Massachusetts" was responded to by Alex. McGregor, representing Governor Foss, who was unable to attend. The Gardeners and Florists' Club toast was responded to by W. J. Stewart, first vice-president of the club, who gave a general outline of the formation and a review up to the present time of florists and gardeners' clubs of America. The toast was responded to by J. Otto Thilow, of Philadelphia, who told of the trade brought about by the combined efforts of the various organizations and spoke very appropriately of

the help the florist's wife is to her husband in business. The American Rose Society toast was responded to by President Farenwald of that society. The American Carnation Society toast was responded to in a telegram received from President Breitmeyer from Detroit.

Peter Fisher spoke briefly for this society, C. W. Parker for the Massachusetts Horticultural Society and W. N. Craig for the ladies. Solos were rendered by Miss Katharine Singer, Miss J. A. Carson, Miss Ella Edmonds and James Singer. Dancing was enjoyed. A most enjoyable evening was spent, which will linger in our memories for many years. W. J. Stewart said he hoped to speak at the golden anniversary and we hope we may all live to see it. A telegram was received from Thomas Pegler, ex-president of the club, sending his best wishes.

MAC.

Gardeners and Florists' Clubs of America.

Paper read by J. Otto Thilow, president of Philadelphia Florists' Club, at the twenty-fifth anniversary of the Boston Gardeners and Florists' Club, November 11, 1912.

I am pleased to have this opportunity of addressing the Boston Gardeners and Florists' Club. The profession should call together all who have to do with nature's floral and plant life. We must all depend on the one source for the supply, which we may take in the new or crude state, and by fondling and amelioration produce that which appeals to us as beautiful and substantial. And when from experience we critically judge its qualities and present it to the public, it becomes staple and rewards the efforts of him who through enthusiasm, skill and with nature's help has added to the unbounded category of floral achievement.

No other profession is so resourceful, none so varied and interesting, nor has there been in any other sphere of man's occupation the possibility of such development by the people of our land. It is true that commerce, backed by the healthy monetary condition, with facilities to meet the upward trend demanded in modern civilization, has set the land and its people wild with enthusiasm to reach a standard above other countries. Our cities have grown far beyond their environment in much shorter time than had been provided for. The congestion has become uncomfortable and the facilities for transporting the masses are taxed beyond their capabilities, and all because the home-dwellers and those who are mindful of their families' urgent needs are seeking the open air, the sunlight, the trees and verdure and outdoor life as much as the seasons will permit.

What has this to do with the florist and gardener? Are we not the projectors of the civic condition in the localities where we are located? It is in your power to change Sodom into Eden and bring order out of chaos. Lanes have been made into parkways, bare hillsides planted with trees and shrubs, polluted streams are changed to babbling brooks, the former weed plots to flower gardens and parks—everything is done to beautify our surroundings, our homes, cities, and in fact our whole country. A flower has passed into the hands of some child, which suddenly was awakened into admiration for this token of nature. Within a few years the admiration grew into intense love for flowers, every social function could not pass

without lavish provision of flowers and plants, and at no time in the year is that home without floral decoration, nor the garden without its maze of color and variety in plants and trees. There is no doubt but what at some time this fondness for flowers would have developed of its own volition—such cases are the exception, but the rule should be general, and would be if we were alert and use the opportunities which come our way. Not as a rule would we see a florist on the street or even at public functions without a flower in his coat. He makes the best display of what stock he has to attract the flower lover. We need to do more than mere advertising. People buy food and clothing because they must have them, but flowers and plants are considered luxuries and can be dispensed with, according to a narrow view.

At Eugene, Oregon near Oregon City, if you are passing through with



J. Otto Thilow.

the other passengers you will be presented with a bouquet of roses, showing what can be produced there and in quantity. Should a real estate agent pass through the train with offers of homes or even small farms, one would doubt the genuineness of his offer, but roses appeal to everyone and make an affectionate and lasting impression, and are used in this case as a strong advertising medium.

That there has been advancement through affiliation there is no doubt, as we have seen the progress of our business within the past decade. The ripe knowledge of the vigilant and hard working florist with the up-to-date methods now practiced, particularly that of specializing, the interchange of ideas at the club and convention where we tell all we know and have learned through hard knocks and even losses, the publicity given to every club in the country and its doings through the horticultural trade press, acquaint us with one another's ability in specific and skilled lines. If our club and society affiliation do no more than to broaden our minds, widen our principle and exert our interest one for another, it does much toward the uplift of our florist brother

in the remote parts of this great land and even abroad. Through our individual efforts in our club, which is sounded abroad by the organs of the trade, which meets also the eager eye of the plodder who is anxious for even a suggestion to help him in his struggle, is for the greater good than much of that which comes to our notice. It was said to me by one of the American visitors to the London Flower Show, that he was, in company with an English grower, going to visit another grower who lived a short distance from the gentleman walking beside him, when he said: "This is my first visit to my neighbor, and we have been nearly side by side for many years." The American grower said: "Do you mean to tell me that you are not more congenial and neighborly than that? In America we could not afford to do that. If we can not learn from our neighbor, it is a blessed thing that he can learn from us."

If the expedition of our American brethren to the other side has infused a neighborly spirit among our foreign brethren, then they were angels of mercy indeed and we feel better for knowing we have done some good. There is one thing sure: The visit to London has impressed our delegation with the assurance that there is yet much to be done to reach the perfection in floriculture so lavishly displayed by our English cousins. We have gained much in these expeditions across the ocean, we have added to our list of enthusiastic exponents of horticulture. They have mounted the rostrum and delivered the truths and ideals which have given us great inspiration. Among these are the two masters of our great society, the S. A. F., one still at the helm and the other soon to be. We have been hearing from other members through our clubs, giving their individual thoughts and impressions of this great achievement by our foreign craftsmen.

There are two great factors in our trade today, the half hundred florists' clubs, and four energetic publications devoted to the trade with about a half score of magazines and other publications to greet the anxious amateur and enthusiast. This would seem to be as far as we can get in publicity in making our presence known, and yet there are thousands who are blest with an inborn trait and love for plants and flowers and get no encouragement from anyone except such as are highly enthusiastic and bubbling over with even a faint knowledge of horticulture. Are we so absorbed in our busy life that we do not find time to cultivate a fondness for flowers in others who are only waiting for some one to lure them? In my engagements with civic clubs I rarely find a florist interested, but many of the best ladies of our land active in the betterment of the surroundings of all classes, by the suggestion of better horticultural conditions. Surely this is a branch that the florist should be concerned in. These clubs and associations would welcome the advice and co-operation of the florist in the communities where better civic conditions are being advocated. Let us in some modest way demonstrate to the public that our business, the cultivation of plants and flowers, concerns everybody, and by our earnest interest in our profession, we can awaken the latent love for flowers in others, and to be keenly alert in everything horticultural, and never, when the season will permit, be

without a flower upon the coat lapel. Wear the flower you like, or the button of your club.

Can we measure the good that will result from the recent and initiative move of the New York Florists' Club in their publicity effort? It is one of the most stimulating enterprises entered upon in the past quarter century. The present results alone might not warrant the assertion, but the indications for the future go far beyond a prophecy. It reminds us that we are not altogether awake to many things in which we might interest the public. Let every florists' club in this country be awake to what might be done in its respective localities, fall in line with the New York Club, and let us be altogether in one move the country over. Create the demand. Young men are continually stepping to the front to learn the old profession by the new methods. Our country is yet large enough. Lumber and glass are available and the ever balmy sunlight, an unpaid agent of unbounded scope. This is only in part what might emanate from a club as a body toward the advancement of our laudable profession.

To the individual club many suggestions can be made, and from many of those beyond our reach we might learn many good things. We, as active members of our club, reap benefits by our association with each other, but what about the man behind the gun? He who watches the plant's peculiarities and its needs, who through constant and close touch with the treatment of plants, whose experimenting has given results? Is it best to let him grind on or to let him mingle with others of same profession, that there may be mutual profit through each other's experience? Bring him out, introduce him to the club, let him become a member, let him feel that he is worthy of his hire. Shall he learn from affiliation only? Nay, he may teach that which his experience has gained for him. We can increase our usefulness by such development. Teach that the supply is inexhaustible, so that it will engender lavish use.

It is not so much how to produce it, but how to dispose of it. The club could be made the center from which new methods for the general business of handling flowers could emanate, an exchange for business and a resort for pleasure. A full equipment for games; a reading room provided with publications of the latest issues of horticultural matter in magazine and book form; conveniences for ladies who would be glad to spend one evening a week at games; a place to practice for the events at the S. A. F. convention. These are some of the things a florists' club should provide. A hearty co-operation with the ladies means in turn encouragement in business. From our clubs have sprung the social features of the S. A. F. conventions.

There has been a simultaneous growth of the S. A. F. with the florists' clubs. Which of these is the food for the other? As a final admonition, let me entreat you and all of the clubs and associations of our profession, that publicity of the right kind will bring about astounding results. The movement was launched at the Chicago convention with much more spirited interest than ever before. The New York Club has organized a strong committee which has already taken up two important features, viz., Hallow-

een and Thanksgiving. Their methods of providing advertising should be encouraged by every club in the country, and should be supplied by the New York club at a minimum cost. This not only throws the work to one central production, but also makes the feature a national one the country over. As a source of information, I have written to the secretary of every club and association in the country as far as I could secure their names. I wanted information as to what the clubs were doing in publicity, and also invited their suggestions as to what might be conducive to the furtherance of the flower business. Responses have come from a small part of the fifty inquiries sent out, but the answers thus far received are most gratifying. In several instances the publicity committee is supplying articles every week for newspaper publication, something suggestive of the abundant bloom at the different seasons. In another case



Irwin Bertermann.

a florists' club is fostering a school garden contest, under the direction of the Woman's Club. Another club collected \$300 from florists for Mothers' Day advertising in streetcar and newspaper and by wagon banners. They report the results are wonderful.

In conclusion I wish to emphasize that whatever you debate in the club, consider seriously the matter of production and prices. First class stock will always find a market. We don't wish to stop there. Moderate prices will influence the masses, and if possible get a flower into the hands of every man, woman and child, encourage the use of flowers at every function in the home, the festive hall and public demonstration, and by all means let the public know you are a florist. Make your club active, have an essay committee to prepare with the assistance of those who are capable, some paper or talk on topics of interest.

This committee is the most important of the club. Men who can interest both from knowledge of horticulture, and interesting topics of present day modern methods, should be available. The meetings should vary in the literary trend and not become monotonous. All this depends on the essay committee, which should infuse life into the club. The members are al-

ways anxious to hear good things. The committee on games should keep the club room active and in a spirited mood. This will keep us in as cheerful a condition as the flower itself. Encourage exhibitions at the meetings. This will show what our neighbor is doing and what his capabilities are. Have occasional outings during the summer and don't leave the girls at home. A membership committee is necessary to look up new members, and have every florist, grower, wholesaler and retailer in the chairs at every meeting. Your workmen and subordinates should be members. Encourage them by association. This enhances their interest in their work and proves profitable to you. Don't be afraid that your doings will not be known. Our trade papers are alert in everything that is going on in every club in the country.

It is therefore imperative to do things with telling effect. What I have learned in my personal touch with my florist brethren of the Philadelphia Florists' Club is the one paramount thought of doing whatever is best for the advancement of the business and broadening the horticultural realm; to make optimists, to use the club as a safety valve and engender personal feelings conducive to good friendship, and infuse a geniality into those with whom we associate. This genial temperament is usually characteristic of the florist. His life should be resplendent and aglow with cheer because his occupation is in touch with nature's sweetest product.

Retailing Cut Flowers.

Paper by Irwin Bertermann read by Wilder S. Deamud before the Chicago Florists' Club, November 7, 1912.

The merchandising of cut flowers is in itself closely allied in general principles with the selling in small quantities of any other article. The man who is capable of selling real estate or greenhouses is equally capable of selling roses. It is not the man who sells flowers sluggishly at a profit of 15 per cent, but the one who can brilliantly present to the public quantities of flowers at a gross profit of 150 per cent by closely watching the markets, who is a live factor in the upbuilding of the retail business at the present time.

The intensive form of conducting the retail business is much like intensive farming. A greater quantity of business may be transacted in a given space and time, but it takes much more energy and expense to do it. Unpopular as the practices may be with the greater number of retailers, the methods of some of the pushers as exploited by the trade papers at different times, showing the terrific manner of inducing trade, is certainly a good object lesson in showing how large quantities of flowers may be distributed among the transient trade, with much accruing good to the producer. Indirectly, the Florists' Telegraph Delivery, still in its infancy, is making great strides in educating the flower buying public. When we think that a first-class florist in a town of, say, five hundred thousand, approximately, does an outbound and inbound business of \$7,000 annually, it is wonderful to think of 1,000 florists doing a business of \$7,000,000 annually. A conservative estimate of the orders received by New York florists in the season is from \$750,000 to \$1,000,000 per year. This important phase of the re-

tail business should certainly be given impetus by grower and retailer alike.

The inspiration of the retail business—new varieties of flowers—should receive its just attention in all quarters. A new flower invariably brings a slightly higher price, and more than repays the slightly increased cost in the friends it makes and because of its popularity. Mrs. Aaron Ward, Lady Hillingdon and Melody have added tremendous influence upon the flower buying public. The roses Milady, Mrs. Chas. Russell, the new French hydrangeas, the daisy Mrs. F. Sander and several other novelties may be counted upon in making thousands of friends for those interested in buying nature's wares in the near future. Publicity with its great accomplishments seems to be the slogan, "first, last and all the time," with florists who are disposing of the greatest quantities of flowers. Those unwilling to take up the great selling cudgel are liable at any time to be surpassed by those who are willing to dispose of good goods at moderate prices and inform the public of just what they have to sell in an attractive manner. The good work now being done by the New York Florists' Club in the distribution of posters displayed simultaneously clearly shows what collective effort may do in publicity work. They plan for a great Thanksgiving campaign, and the outcome is awaited with interest. Advertising is a separate department in all the big stores of the country, but it is a sadly neglected art with many of the retailers who are wont to treat it as a side issue, and place it in the hands of the inexperienced for use. There is a vast difference between the maintainer of price and shrewd merchandiser, and the trade spoiler, who is harmful to himself and his fellowmen, both in selling and advertising.

"As ye sow, so shall ye reap" is nowhere better exemplified than in the comparison of a community of cheap florists and one worthy of prosperity and in which each is himself successful. It is just as possible to have each home in a town contain ten plants and have an educated love for them as one plant in each fifth home with a shy acquaintance of nature's wares due to lack of interest in the seller himself. The sale of potted plants, particularly in the larger flower centers, is a new channel which offers a great field for those willing to take a forward step and rise above the rose and carnation farms so popular and indicative of the day. The wonderful features of the National Boston Flower Show in the potted plant line will no doubt be duplicated and surpassed in the coming New York exhibition, and may be a proper incentive for the Westerners in the art of plant production. It is highly essential that the prosperous retailer interest the public in the growing plant as well as in the short-lived cut flower. It is almost impossible to present the wondrous and changing beauty of the flower possibilities to the public without the elegant displays of roses, rhododendrons, azaleas, bougainvillias, acacias, and particularly hydrangeas, cyclamens and the like. A higher standard of salesmanship is an essential that must be reckoned with in all the retail stores. The great strides made by the dealers in accessories, such as baskets, ribbons and supplies which outshine in many instances in a wholesale way those of the retailers themselves, are an instance of what first-class salesmanship

—and to that it must be greatly attributed—may do. A clerk who is not able to sell quantities of goods at a fair price is no more destructive than one who is shrewd enough to obtain more from a purchaser than he is really willing to spend. A first-class clerk who has judgment gains the confidence of the patron and his employer, and who is able to arrange blossoms in a fine individual style is a scarce article. There is and always will be room at the top for those who can climb.

The artistic must be striven for in the disposition of flowers. To offer them for sale in unsightly masses at a low price is not sufficient. It is far better to sell a few flowers well arranged than many of them which in the end will detract rather than aid the general love of flowers. Elegant window displays, taste in store and house decorations, promptness, fairness in dealing, progressiveness, constant energy and alertness are the older virtues with which the striving store-man is ever face to face in his race to outclass his competitor and to dispose of his wares, striven equally hard for by his brother grower. The general use of flowers is far greater than the increase in population. This may be attributed to two factors. One is that the masses live farther removed from nature's beauty than formerly, thereby creating a general craving for it, and the other stronger one is the educational campaign of the retailers in the constant displaying and publicity of the flower business. Will it not be well, then, to follow the trail which has been leading forward for many years?

Our age has not been blessed with miracles, and it has been and always will be impossible for the flower stores to dispose of undue masses of flowers brought forward by climatic conditions. It is, however, possible for the retailer to watch the trend of the markets so as to aid in the fullest possible extent, the disposition of the largest numbers at the most favorable time. It is unreasonable to expect the erecting of greenhouses to proceed at the same enormous rate as in the last few years. It will be far better for the grower to produce more beautiful and varied varieties and for the retailer in his mission to so instill the love of flowers in the American hearts that they will be found in the homes of all in all their beauty, fragrance and refinement.

Massachusetts Horticultural Society.

The Massachusetts Horticultural Society opened its exhibition Thursday and continued till Sunday night, November 7-10. There were some noteworthy exhibits, though nothing startling in the chrysanthemum line. The show was a show in name only so far as the chrysanthemum entries are concerned. There was a very fine collection of apples grown in New England, an exhibit from the Amherst Agricultural College, showing the proper way to grade and pack and showing the packing that loses the western trade. In foliage and flowering plants, best arrangement. W. W. Edgar Co. received first prize. E. McMulkin, second. Thos. Proctor's specimen chrysanthemum plants were good. Walter Hunniwell received a silver medal for a group of chrysanthemum plants. In orchids, Wheeler & Co., Waban, were first, E. McMulkin, second.

There were many entries for the table decoration. Three ladies acted as judges.

Collection of fruit—Ed. McMulkin, prize and silver medal.

Table decoration—Ed. McMulkin, first; Henry Comley, second; F. H. Houghton, third.

Thos. Roland staged a splendid collection of foliage and flowering plants for exhibition. Jas. Nichol, Edgar Bros., and Edward Clark showed fine specimen blooms. William Sim exhibited a splendid stand of violets and Leonard Midgley a vase of the new carnation "Eureka." Patten & Co. showed their new seedling "Tewksbury," a dark red full flower. The Waban Rose Co.'s new rose Mrs. Chas. Russell received the society's gold medal. A. N. Pierson, Inc., Cromwell, Conn., exhibited their new rose Milady. It showed good keeping qualities and is a good, full flower of velvety texture. This rose appears to have a future, and it has a beautiful perfume.

MAC.

Philadelphia Notes.

H. Bayersdorfer & Co. were compelled to add a fine auto truck to their delivery service. Business here is away ahead of last season but their immense stock seems to show no depletion as nearly every day importations are received from abroad.

Robert Craig says he never was so busy as for the past six months. The new addition at Norwood required more stock to fill it and an added amount of energy to sell it, but the firm finds an active demand and this fall's business has broken all records.

Godfrey Aschmann sees nothing ahead but prosperity. The election had no terrors for him and his stock is the largest he ever had at this season. More orders are coming in and he is well pleased with his increased sales and the stock he is sending out.

"The American Beauty will be our special leader this season," says Leo Niessen. "We are handling more than ever and yet have demands for more than we can fill. It is still a great rose, there being nothing in sight to take its place."

Chief Corts of the Jos. Heacock Co. reports that the stock from the two large houses is being moved all right. It takes hustling but the work is made lighter by the quality of the flowers, which were never better for the season.

Berger Bros.' Central Market has choice chrysanthemums and some swell roses as features at this time. The report is more stock, more business and more hard work, but everybody happy.

The House of Rice is satisfied with business. This firm certainly should be as it is fairly swamped with orders from all over the country and the force compelled to work over time to keep ahead.

The Jos. Heacock Co. is being complimented on all sides for its orchid picture. This was the feature of the exhibition and was at all times surrounded by an admiring group of visitors.

The Florex Gardens are sending in fine Mrs. Ward and Lady Hillingdon roses to Eugene Bernheimer. The stock never looked better at these houses than it does at this time.

Edward Reid is justly proud of his fancy chrysanthemums. There are many that might be classed exhibition stock. Choice American Beauties are also a feature.

Frank Gaul opened up his new store on Saturday. He made a fine display and was much pleased with his first day's business.

K.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 84 PAGES WITH COVER

CONTENTS.

Chrysanthemum Society of America.....	945
—The annual meeting.....	945
—President Totty's address.....	945
—Officers' portraits.....	947
—The exhibition.....	947
Pennsylvania Horticultural Society (illus.).....	948
—The fall exhibition.....	948
Morris (county Gardeners and Florists).....	950
A. J. Rossi (portrait).....	950
Pacific Coast Horticultural Society (illus.).....	952
—The fall show.....	952
Rochester Florists' Association (illus.).....	955
—The annual exhibition.....	955
The St. Paul Show (illus.).....	956
Tarrytown, N. Y., Horticultural Society.....	958
—Fourteenth annual exhibition.....	958
Northern Westchester Co. Hort. Society.....	960
—Annual flower show.....	960
Chrysanthemums.....	961
—Some of Smith's novelties (illus.).....	961
—Notes of novelties, etc., at the American Institute Show, New York.....	961
New rose Milady (illus.).....	963
Plant notes.....	963
—Catch crops.....	963
—Primulas.....	963
—Ardiasias.....	964
With the growers.....	964
—The Robert Craig Co., Philadelphia, Pa.....	964
Boston Gardeners and Florists.....	964
—Wm. J. Stewart (portrait).....	964
Gardeners and Florists' Clubs of America.....	965
—J. Otto Thilow (portrait).....	965
Retailing cut flowers.....	966
—Irwin Rortemann (portrait).....	966
Massachusetts Horticultural Society.....	967
Philadelphia notes.....	967
Parcels post requirements.....	968
Important to subscribers.....	968
Chrysanthemum Society of America.....	968
National Association of Gardeners.....	968
The chrysanthemum.....	968
Park examinations.....	970
Chicago.....	976
Chicago Florists' Club.....	980
St. Louis.....	980
Indianapolis.....	984
Pittsburg.....	984
Cincinnati.....	987
Chicago Bowling.....	987
Boston.....	987
Philadelphia.....	988
New York.....	990
New York Florists' Club.....	990
Rochester, N. Y.....	990
Not Briarcliff headquarters.....	991
Cleveland.....	992
Toronto.....	996
The Seed Trade.....	998
—Bouquet green and holly.....	998
—Government Seed Distribution.....	998
Market gardeners.....	1002
—Prices of indoor fruits and vegetables.....	1002
—Value of potato spraying.....	1002
—Mushroom notes.....	1002
The nursery trade.....	1004
Washington.....	1004

REMEMBER that all perishable stock is in great danger of loss if shipped in ordinary freight cars after this date.

ALL bulbs should be planted at once if ready; if planting is to be deferred the beds should be covered with a heavy mulch to keep the soil from freezing until they can be planted.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston—Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York — Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia—A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati—R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during November, the dates of which will be November 16, 23, 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color	20	Substance	15
Form	15	Size	10
Fullness	10		
Stem	15	Total	100
Foliage	15		
Exhibition.			
Color	15	Depth	15
Stem	5	Size	30
Foliage	5		
Fullness	13	Total	100
Form	15		
Single Varieties.			
Color	40	Stem and Foliage ..	20
Form	20		
Substance	20	Total	100
Pompon Varieties.			
Color	40	Fullness	20
Form	20		
Stem and Foliage ..	20	Total	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

REPORTS OF COMMITTEES.

Madison, N. J., October 31.—Mrs. Gilbert Drabble, white, Japanese, scored 90 points, exhibited by Chas. H. Totty, Madison, N. J.; Mensa White, white, single, scored 91 points, exhibited by Chas. H. Totty, Madison, N. J.; Ceddie Mason, deep red, single, scored 87, exhibited by Chas. H. Totty, Madison, N. J.

Cincinnati, O., November 2.—Yonkers, yellow, Japanese reflexed, scored 89 points; Mary E. Meyer, white Japanese, scored 93 points, both exhibited by Elmer D. Smith & Co., Adrian, Mich.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

National Association of Gardeners.

The annual convention of the National Association of Gardeners will be held in the New Auditorium Hall, 81 Orange street, Newark, N. J., Tuesday afternoon, November 19. The meeting will be called to order at 2 o'clock. Routine business and election of officers will be attended to and there will be addresses as follows: "A Talk to Gardeners," Robert Craig, Philadelphia, Pa.; "International Flower Show of 1912," Chas. H. Totty, Madison, N. J.; "Problems of Plant Diseases That Confront the Gardener," Prof. J. J. Taubenhau of the Delaware Agricultural College, Newark, Del. A lecture illustrated with 70 stereopticon views of the international show at London will be given by Harry A. Bunyard, New York.

A banquet will be given immediately after the meeting. The dinner will be served promptly at 6 o'clock to enable guests who desire to do so to catch early trains. Patrick O'Mara will preside as toastmaster. A howling tournament will be held Monday evening, November 18, the day before the convention proper. Teams will consist of three men each and entries must reach the secretary's office by November 16. Individual bowling contests will be held Tuesday morning, November 19, at 9 o'clock. Exhibits for the meeting should be expressed in care of M. C. Ebel, secretary N. A. G., New Auditorium Hall, Newark, N. J., and should reach there on the forenoon of November 19.

The Chrysanthemum.

When 130,000 people throng to see a chrysanthemum show in New York the popular vogue of the flower must be regarded as pretty conclusively established. That is about as many persons as constitute the "capacity audiences" at the theaters on holidays, and the fact bears witness to the place chrysanthemum exhibitions now hold as fixed events in the fall calendar equally with football, the opera and the Horse Show. At the present rate of development of popular interest in it the chrysanthemum bids fair to become our national flower, as it is Japan's.

It is something more than a century since the flower of Chinese extraction with a Greek name made its way into Europe. The first English exhibition of chrysanthemums was held about ninety years ago, and the current exhibition of the American Institute in this city is its eighty-first. Most of the development of the chrysanthemum under cultivation has taken place in the last quarter of a century, and the result, as observed in the infinity of varieties, ranging from the tiny pompons to the mammoth plants too large to enter a hotel's doors, is a wonder story of floriculture.

The chrysanthemum is no longer a "gold flower" only, but one reflecting every hue of the spectrum. Its hardness and decorative uses have doubtless enhanced its popularity. Possibly "Madame Chrysantheme" added a sentimental touch of interest to it. But behind its vogue in this country and most suggestive of all the circumstances having to do with its popular appeal is the confirmation the attendance at chrysanthemum shows gives of the spread of a true æsthetic sense in a city where as many of the population go to see chrysanthemums as a world's baseball series.—New York World.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Help Wanted—Seedsman with experience to canvas market garden trade. Give reference and salary with first letter.
THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Party thoroughly up in Hardy Perennials as to propagation, etc. Give full particulars as to experience, age, salary expected, etc., in first letter. A good steady position for the right man. Address,
Key 722, care American Florist.

For Sale—Retail store in city of 10,000. Bargain. For full particulars address.
Key 725, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—1 Morehead Steam Trap, almost new, \$65.00 cash. JOS. MILLIGAN & SON,
1044 Clydesdale Ave. Salt Lake City, Utah.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years.
Key 730, care American Florist.

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729,
care American Florist.

For Sale.

3 60x16 Tubular Boilers,
\$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,
KEY 726, care American Florist.

SITUATION WANTED.

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

WANTED.

Salesman of ability and reliability—young or middle aged man of experience in vegetable seeds, to cover wide range of territory for old established wholesale seed concern. State experience, references, and salary with first letter. Address, **Key 727, care American Florist.**

CITY OF REGINA, SASKATCHEWAN, CANADA.

Applications for the position of City Parks Superintendent will be received by the City Commissioners up to January 1, 1913: applicants to state experience and give reference.

G. A. MANTLE
L. A. THORNTON,
City Commissioners.

FOR SALE.

Greenhouse, Barn and Dwelling House in Auburn, N. Y., on street car line. Lot 200 feet front by 400 feet deep. Greenhouse full of stock. Also horse, wagons, tools and implements. Cost \$16,000. Will sell for \$8,000, half cash.

M. V. AUSTIN, Jr.,

Trustee in Bankruptcy.

79 Genesee St., AUBURN, N. Y.

FLORAL ARTIST.

P. McKenna & Son have an opening for a capable **designer and decorator**. He must have had experience in a first-class place. Apply by mail, stating experience and starting salary expected to

JAMES MCKENNA, Prop.,
770 St. Catherine St.,
Montreal, Que., Canada.

BOILERS FOR SALE ATTENTION

Large Florists, Greenhousemen
or Manufacturers!

Three Slightly Used Mercer Cast-Iron,
Header Type, Sectional Heating Boilers

For either steam or hot water.

- 1 9-Section No. 27 Mercer, Grate 27x48 inches. Manufacturers rating for steam 2125 square feet, water 3500 square feet.
- 2 15-Section No. 36 Mercers, Grates 36x84 inches, manufacturers rating for steam 5550 square feet, water 9150 square feet.

All cast-iron parts as good as new, all bolts and nipples will be furnished new; any kind of fuel can be used. Inquire of

LeValley, McLeod & Co.

165 Lake St., Elmira, N. Y.

Immediate Delivery.

For Sale—Greenhouse Plant, three houses, 2500 feet of glass well filled with a full line of bedding plants: some outside stock, good six-room house, out houses, city water, etc. Lot 63 feet by 376 feet, for \$4,000. Can vacate any time. Apply to,
CAPITAL CITY NURSERY,
P. O. Box 586, Atlanta, Ga.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address
Key 718 care American Florist.

FOR SALE OR RENT.

Splendid residence and greenhouse property in Evanston, Ill., consisting of 20,000 square feet of land in central part of city, accessibly located to transportation lines, thereby securing to it greater possibilities for retail florist business, improved with greenhouses of 6,500 square feet and two good residence buildings on land bearing fine income from rentals. This property can be had at a low figure. Inquire of **JOHN F. HAHN,**
1572 Sherman Avenue, Evanston, Ill.

Notice of Examinations

CIVIL SERVICE BOARD,

West Chicago Park Commissioners.

The Civil Service Board of the West Chicago Park Commissioners will hold the following examinations on the dates and at the places given in each case, for the purpose of creating eligible lists for vacancies which may arise in said positions within the next two years. Application blanks may be obtained at the office of the Board in Union Park or at the West Park playgrounds.

EXAMINATION No. 64.

FLORIST, Class G, Grade II. Pay \$2.25 per day to \$75.00 per month. Original entrance. To be held November 20th, 1912, at 8:00 a. m., at Garfield Park Pavilion.

Subjects: Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

Special Subject: An oral and a practical test in greenhouse work, and written questions on the care and propagation of plants, and greenhouse operations.

The duties of Florist are general work in the conservatory and propagating houses and in the outdoor gardens throughout the system.

Applications must be filed in the office of the Board in Union Park before 5:00 p. m. of November 19th, 1912.

EXAMINATION No. 65.

GARDENER, Class G, Grade II. Pay \$2.25 to \$3.40 per day. Original entrance. To be held November 20th, 1912, at 8:00 a. m., at Garfield Park Pavilion. Open only to men between the ages of 21 and 50 years.

Subjects: Special Subject, weight of 5; Experience, weight of 3; Physical, weight of 2.

Special Subject: An oral and a practical test in care and planning of trees, shrubs and plants.

The duties of Gardener consist of planting, pruning and outside gardening work.

Applications must be filed in the office of the Board in Union Park before 5:00 p. m. of November 19th, 1912.

FRED G. HEUCHLING,

Superintendent of Employment.

Chicago, Ill., October 17, 1912.

A HOLLY WREATH

Red and Green

FOR HOLIDAY CIRCULARS AND
ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The large size, one color, \$2.70.

Cash with order.

American Florist Co.

440 S. Dearborn St. CHICAGO.



ROSES

MUMS AND CARNATIONS

BIGGEST CROPS EVER

ORDER OF US

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

We are particularly strong on stock for Thanksgiving, so come to us.

HOERBER BROS.

Wholesale Growers of Cut Flowers

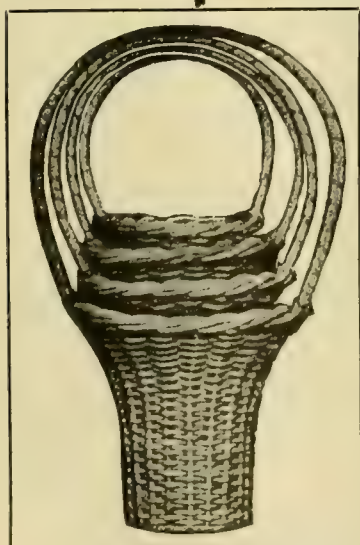
162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

Finest Baskets Obtainable

Buy Direct from the Manufacturer and
Save the Middleman's Profit



WE have just received several large shipments of baskets from our large factories in Weidhausen and Ebersdorf, Germany, and are now in a position to fill all holiday orders. Our line is complete in every respect and contains nearly every style that a florist may need. You should get acquainted with our line as early as possible. The best way would be to send \$10.00 or \$25.00 for a sample assortment.

Our New Illustrated Price
List Is Ready. Send for It.

Raedlein Basket Company

713-717 Milwaukee Avenue : CHICAGO, ILL.

PERCY JONES

H. VAN GELDER, Pres.

L. M. JONES, Secy.



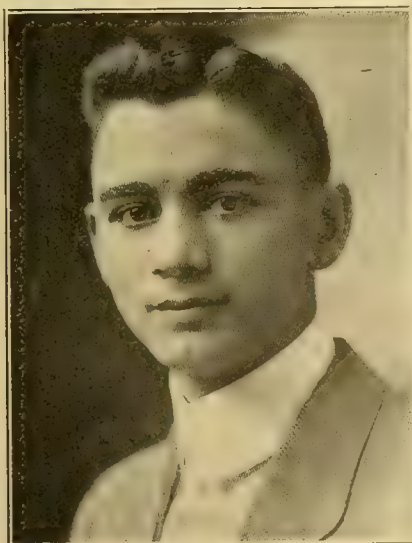
Three Years Ago Size of the Store 20x20.

SHOWING SECTION OF CUT FLOWER DEPARTMENT.

Now Each Table 16x4

**Importers and
Jobbers of
Florists' Supplies.**

**Ribbons and
Chiffons
Our Specialty.**



H. VAN GELDER.

**Wholesalers of
Cut Flowers
and Greens.**

**We Sell
Everything Used
by Florists.**

56 E. Randolph St.,

ESTABLISHED 1903—INCORPORATED 1911.

CHICAGO, ILL.

"The Busiest House in Chicago"

IS PREPARED To Fill All Your Thanksgiving Orders

— FOR —

Beauties, Roses, Carnations, Chrysanthemums, Pompons, Lilies, Violets, Orchids, Box- wood, Wild Smilax & Greens



JOHN B. DEAMUD.

Everything in good supply and at prices that are right



WILDER S. DEAMUD.

THANKSGIVING PRICE LIST:

AMERICAN BEAUTIES.

	Per doz
Special, long.....	\$ 5 00
36-inch.....	4 00
24 to 30-inch.....	3 00
18 to 24-inch.....	2 50
15 to 18-inch.....	2 00
12 to 15-inch.....	1 50
8 to 12 inch.....	75 to 1 00

ROSES.

	Per 100
Richmonds.....	\$3 00 to \$ 8 00
Killarney, white, pink.....	3 00 to 8 00

	Per 100
My Maryland.....	3 00 to 8 00
Roses, our selection.....	4 00
Extra long, fancy.....	10 00

MISCELLANEOUS.

Carnations, common.....	\$1 50 to \$ 2 00
fancy.....	3 00 to 4 00
Mums, per doz.....	\$1 50 to \$3 00
Pompons, bch., 50 to 75	
Orchids, per doz., 6 00 to 7 50	
Easter Lilies.....	10 00 to 12 50
Valley.....	3 00 to 4 00

	Per 100
Adiantum.....	.75
Chicago Crown Double Violets.....	1 00
N. Y.	.75
Asparagus Strings...each, 60c to 75c	
Bunches... 25c to 50c	
Sprenger Bunches...each, 25c to 50c	
Smilax.....per doz., \$1 50	
Galax, green.....per 1000, 1 00	
bronze..... 1 01	
Ferns..... 2 00	
Boxwood.....50 lb. cases 7 50	
Wild Smilax.....per case, 5 00	

Subject to change without notice. Store open 7.30 a. m. to 6 p. m. Sundays and holidays close at noon.

J. B. DEAMUD CO.

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago



WRITE FOR OUR NEW
CATALOGUE OF

Florists' Supplies and Wire Designs.

OVER 300 WIRE DESIGN CUTS.

Something Entirely New.

Our Wire Design Department Is One of the Largest in This Country,

and in conjunction we have an extensive line of supplies, and can assure
you first-class goods and the right prices.

JOSEPH ZISKA,

151-153
N. Wabash Ave.,

CHICAGO, ILL.

Now Booking Orders For

THANKSGIVING

Do You Know

that you can get **everything** you want **right here?** Others do, and there is no reason why you can't. If courteous treatment, prompt attention to all orders, and a full line of stock is not sufficient, we will go farther and prove to you what we say is correct. But to do this we have to have **orders.** **TRY US, NOW.**

Specially Strong on Mums

Our supply of Mums will be a record breaker and will include all the old favorites besides many new ones. Everything from the little pompon to the large exhibition blooms. Red Winter Berries, \$3.00 per case.

Roses-Carnations-Beauties Orchids-Violets-Valley-Lilies

and **Greens** of all kinds. Remember we want your order large or small.

THANKSGIVING PRICE LIST:

American Beauties.		Per doz.	Miscellaneous.		Per 100
Special, long.....		\$ 6 00	Orchids.....per doz.,	\$7 50 to \$9 00	
36 to 40-inch.....		5 00	Mums.....	1 50 to 4 00	
24 to 30-inch.....	\$ 3 00 to	4 00	" Pompons.....bch.,	35 to 50	
18 to 20-inch.....		2 50	Easter Lilies.....	12 50 to 15 00	
12 to 15-inch.....	\$ 1 50 to	2 00	Valley.....	3 00 to 4 00	
Roses.		Per 100	Adiantum.....	75 to 1 50	
Richmonds.....	\$ 4 00 to	\$10 00	Asparagus Strings.....each,	60c to 75c	
Killarney, white, pink.....	4 00 to	10 00	Asparagus Bunches.....	25c to 50c	
My Maryland.....	4 00 to	10 00	Sprenger Bunches.....	25c to 50c	
Roses, our selection.....		4 00	Smilax.....per doz.,	\$1 50 to \$2 00	
CARNATIONS , common.....	2 00 to	3 00	Galax green.....per 1,000	1 25	
" fancy.....	4 00 to	5 00	" bronze.....	1 00	
			Ferns.....per 1000,	1 50 to 2 00	20
			Boxwood.....50 lb. cases,	7 50	
			Wild Smilax.....large	5 00	

Subject to change without notice. Store open 7.30 a. m. to 6 p. m. Sundays and holidays close at noon.

A. L. VAUGHAN & CO.

NOT INC.

161 N. Wabash Ave.,

PHONES | Central 2571-2572
Automatic 48-734

CHICAGO

We Not Only Want Your Business For
Thanksgiving
 But for the Balance of the Year as Well.

We are receiving a large supply of all kinds of seasonable stock and are particularly strong on the following:

Roses-Carnations-Mums

THANKSGIVING PRICE LIST

Prices Subject to Change Without Notice.

BEAUTIES	
	Per doz.
Long.....	\$5 00
36-in. stems.....	4 00
24 to 30 in. stems.....	\$2 50 to 3 00
15 to 18 in. stems.....	1 50 to 2 00
12-in. stems.....	1 00 to 1 25

ROSES	
	Per 100
Killarney.....	4 00 to 8 00
My Maryland.....	4 00 to 8 00
White Killarney.....	4 00 to 8 00
Sunburst.....	8 00 to 15 00
Aaron Ward.....	8 00 to 15 00
Home Grown Gardenias.....	3 00 to 4 00
Richmond.....	\$4 00 to \$ 8 00

	Per 100
Buglarie, special.....	8 00 to 15 00
Special Fancy Roses billed accordingly.	
	Per 100
Chrysanthemums, small.....	\$8 00 to \$10 00
	Per doz.
“ medium.....	1 50 to 2 00
“ large.....	2 50 to 3 00
Pompons.....	.35c to 50c per bunch

	Per 100
Carnations, good.....	2 00
“ fancy.....	3 00 to 4 00
Harrisii.....	10 00 to 12 50
Paper Whites.....	3 00 to 4 00
Stevia.....	2 00
Sweet Peas.....	75 to 1 00

	Per 100
Valley.....	\$3 00 to \$4 00
Violets, double or single.....	75 to 1 00
Adiantum.....	75 to 1 00
Plumosus strings.....	each, 40 to 75
Plumosus bunches.....	50 to 75
Sprengeri bunches.....	25 to 50
Fancy Ferns.....	per 1000, 2 00
Galax.....	1 00
Leucothoe.....	per 100, 75
Smilax.....	per doz., 1 50
Southern Wild Smilax, large case.....	5 00
“ small case.....	3 00

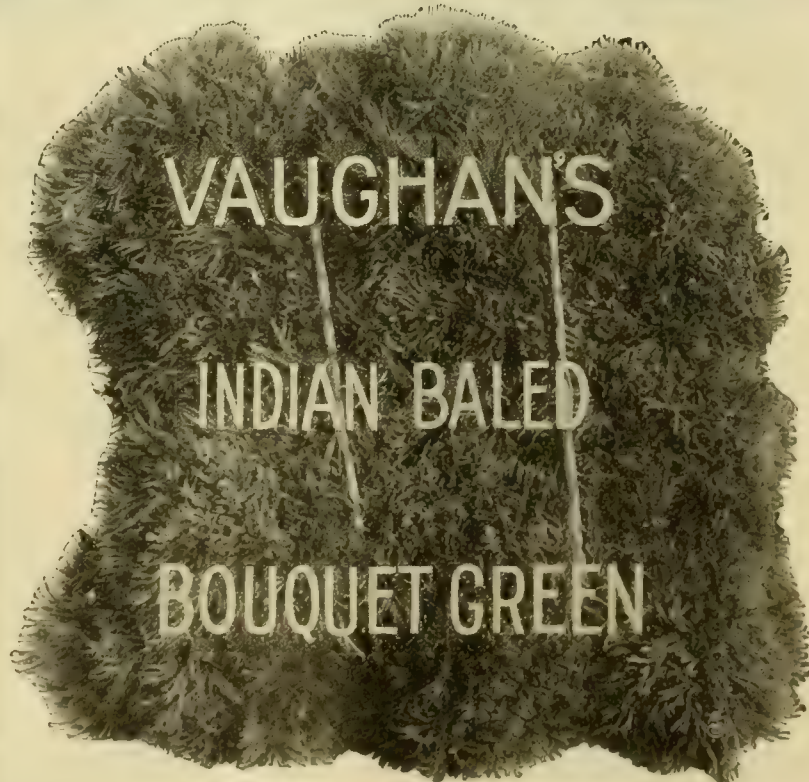
Boxwood, one of our specialties, fine stock,
 25c per bunch; \$7 50 per 50-lb. case.

JOHN KRUCHTEN,

162 N. WABASH AVE.

L. D. Phone Central 6269.

CHICAGO, ILL.



Bouquet

Green

XXX Holly

Boxwood

Laurel

Wreathing

Holly and Evergreen, Wreaths

Mistletoe and Immortelles

Write for our "Christmas List."

We Are Headquarters.—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

VAUGHAN'S SEED STORE,

Chicago and New York

THANKSGIVING PRICE LIST

We Are Growers

We Grow all the Stock we Sell and
Guarantee it to be Absolutely Fresh.

OUR SPECIALTIES:

Beauties, Roses, Chrysanthemums, Valley, Carnations, Lilies.

PRICE LIST:

In Effect November 27.

AMERICAN BEAUTIES

	Per doz.
Extra long	\$5 00
36-inch	4 00
24-inch to 30-inch.....	\$ 2 50 to 3 00
18-inch.....	2 00
12-inch	1 50

**Rhea Reid, Richmond, Killarney, White
Killarney.**

Extra long.....	\$8 00 to \$10 00 per 100
Medium length.....	6 00 per 100
Good short length.....	4 00 per 100
Mrs. Aaron Ward.....	6 00 to 15 00 per 100

CARNATIONS.

	Per 100
Good White, Pink and Red.....	\$4 00

CHRYSANTHEMUMS.

Extra large and fancy	per doz.,	\$3 00
Good medium.....	per doz.,	2 00
Fancy Single Pompons , all colors..	per bunch,	35 to 50
HARRISII LILIES	per doz.,	\$1 50
"	per 100,	10 00
Paper White Narcissus	per 100,	4 00
Lily of the Valley	3 00 to 4 00	
Asparagus Sprays	3 00 to 4 00	
Sprengeri	2 00 to 3 00	
Ferns , Eastern.....	per 1000,	\$2 00
Smilax	per doz.,	2 00
Adiantum	per 100,	1 00
Galax , Green or Bronze.....	per 1000,	1 00

ROSES, our selection, \$4.00 per 100

Send in your order early. We are careful to accept only such orders as we know we can fill with flowers from our own plants. We will buy for you if requested and select the best bargain possible on any stock we do not grow.

Buy Direct From the Grower and Get Fresh Stock.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

 L. D. Phone
 Randolph 5449 176 N. Michigan Ave.

Chicago

MUMS and Pompons

White--Pink--Yellow

 of good quality
 in large quantities

VIOLETS Single--Double

 Regular shipments of
 exceptionally fine stock

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.00	.....	.....	.....
Killarneys.....per 100	10.00	8.00	6.00	5.00	\$4.00	\$3.00	.....
White Killarneys.....	10.00	8.00	6.00	5.00	4.00	3.00	.....
Richmonds.....	10.00	8.00	6.00	5.00	4.00	3.00	.....
My Maryland.....	10.00	8.00	6.00	5.00	4.00	3.00	.....
Perle.....	10.00	8.00	6.00	5.00	4.00	3.00	.....
Ward.....	10.00	8.00	6.00	5.00	4.00	3.00	.....
Carnations.....	5.00	4.00	3.00	2.00	.....	.....	.....
Easter Lillies.....	12.50	10.00	.....	.....	.....	.....	.....
Orchids, Cattleyas.....	50.00	40.00	.....	.....	.....	.....	.....
Lily of the Valley.....	4.00	3.00	.....	.....	.....	.....	.....
Violets, double.....	1.25	1.00	.....	.....	.....	.....	.....
Single.....	1.00	.75	.....	.....	.....	.....	.....
Chrysanthemums.....per doz.	4.00	3.00	2.00	.....	.....	.....	.....
Pompons.....per bunch	.75	.50	.35	.....	.....	.....	.....
Asparagus Plumosus Sprays.....per 100	4.00	3.00	.....	.....	.....	.....	.....
Asparagus Sprenger Sprays.....	4.00	3.00	2.00	.....	.....	.....	.....
Smilax.....	20.00	15.00	.....	.....	.....	.....	.....
Adiantums.....	1.00	.75	.....	.....	.....	.....	.....
Mexican Ivy.....	.50	.....	.....	.....	.....	.....	.....
Galax, Green or Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	2.00	1.50	.....	.....	.....	.....	.....

Chicago.

AMERICAN BEAUTY ROSES SCARCE.

The market took a change for the better on November 8, when both the local and out of town trade were good. Saturday was also a good day and stock of all kinds sold well, although the prices could have been a little higher. Stock is plentiful with the exception of American Beauty roses and orchids. American Beauties are arriving in excellent condition and are sold early at good prices. Roses in general are plentiful, but the supply of Richmond is considerably less. The newer roses are having a good call and no great surplus at any time is noticeable. Orchids, especially cattleyas, are in good demand. Dendrobiums, oncidiums, phalenopsis and cyripediums are obtainable and in fair supply. Chrysanthemums are very plentiful and some fine large blooms are to be had. Major Bonnaffon, White Bonnaffon, Dr. Enguehard, Timothy Eaton, Yellow Eaton, Christy Mathewson, Maud Dean, Col. D. Appleton and many others are included in the list. Pompons are arriving by the car loads and the shipments include nearly all the old varieties and many new ones. Violets are plentiful and of poor quality. Bouvardia has made its appearance but in no great quantity. Sweet peas, Paper White narcissus, mignonette and snapdragons in white and pink are also seen. The supply of lily of the valley, lilies and callas is equal to the demand. Greens are plentiful and the windows of the stores are radiant with chrysanthemum plants. Some of the large growers are inclined to think that the supply of American Beauty roses for Thanksgiving will be short. On Wednesday, November 13, the market was still in a very unsatisfactory condition with stock of all kinds arriving

in quantities. American Beauty roses are holding their own and some of the dealers report that it is impossible to fill all the orders for Mrs. Aaron Ward, Sunburst and Prince De Bulgarie roses. Chrysanthemums are seen in large lots everywhere and many of the stores remind one of a small flower show. The weather is very cloudy and somewhat cooler.

Boxwood is coming in and winterberries are due in quantity next week. Thanksgiving holly is starting for market this week.

NOTES.

Joseph Ziska's new catalog of florists' supplies and wire designs is now ready for mailing. It contains over 300 illustrations of wire designs and is printed in green and black. The proprietor is well known to the trade for he is one of the oldest wire frame manufacturers in this country and has been in business here since 1880. It will be remembered that his business was formerly conducted under the name of the Chicago Rose Co., the change taking place October 1.

Louis Wittbold says the Geo. Wittbold Co. is cutting some fine roses at its Edgebrook establishment now and that nearly all of the stock is sold through their two retail stores. A change has been made at the North Clark street store, Victor Young now having charge.

August Poehlmann, A. T. Pyfer, W. N. Rudd, Adolph Poehlmann, Peter Olsem, A. Miller, Frank Johnson, Fred Lautenschlager, S. A. Jamieson and C. F. McCormick took in the flower show at St. Paul, Minn., this week.

At the Peter Reinberg store American Beauty roses and carnations are more noticeable since the supply of Richmond has diminished but at that Tim Matchen says he has plenty of

the latter to supply all of his customers.

At A. L. Vaughan & Co.'s store chrysanthemums are still the leading feature with Major Bonnaffon and White Bonnaffon having the call. The new chrysanthemum Governor Wilson is second in the race, with Debs a close third.

The next regular meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, November 21. Walter Scott has promised to read a very interesting paper at this meeting.

Elmer D. Smith of Adrian, Mich., stopped off here on his way to and from the Minnesota State Florists' Association's flower show at St. Paul. He was well pleased with the show and says it was a very pretty affair.

A. Lange reports unusually good business and says that wedding orders are more numerous than for some time past. The box trade at this establishment is also very good and is gradually growing.

H. Wittbold is so busy with decorations this week that he has about all the work he can conveniently handle. He has just received a carload of wild smilax.

There is considerable talk among the wholesale dealers in regard to Sunday closing but as yet nothing definite has been done.

Jean E. Franke is back from an outing at his summer home near Thunder Lake, Mich.

M. Alexander, representing Lion & Co., New York, is calling on the trade here this week.

Theodore Vogel, formerly with the Alpha Floral Co., is now with Lubliner & Trinz.

Fred M. Dibols has resumed his position with Schofield, the North State street florist.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Thanksgiving Comes But Once a Year

So let's have good cheer obtainable through the use of

Poehlmann Bros. Co. Flowers.

They Stand for all that quality signifies.

Boxwood, Smilax, Galax, Leucothoe, Mexican Ivy, Sprenger, Plumosus, Adiantum, Wild Smilax, Valley, Violets, Orchids, Mums, Pompons, White and Pink Killarney, Richmonds, Bulgare, Aaron Wards, Am. Beauties, Mrs. Taft Roses, Chrysanthemums, Carnations, Glenco Double Violets, Home Grown.

Good Supply, Good Quality Short and Medium Stem Roses.

CHRYSANTHEMUMS, - Per 100, \$8.00, \$10.00, \$12.00, \$16.00, \$20.00, \$25.00
Extra Large Specimens, per dozen, \$4.00.

THANKSGIVING PRICE LIST

Subject To Change
Without Notice.In Effect
Nov. 23rd, 1912.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS.....		Per 100
Specials.....		6.00	Long.....		\$ 8.00	\$3.00, \$4.00 and \$5.00		
36-inch.....		5.00	Medium.....		6.00	VIOLETS, Princess of Wales.....		1.00 to 1.50
30-inch.....		4.00	Short.....		4.00	Double.....		\$1.00 to 1.50
24-inch.....		3.00	RICHMOND.			ORCHIDS, White Dendrobium, doz.		\$6.00
20-inch.....		2.00	Long.....		\$8.00	CATTLEYAS.....		per doz., \$6.00 to 7.50
Short stem.....		per 100, \$10.00 to 12.00	Medium.....		6.00	EASTER LILIES.....		\$12.00
PRINCE DE BULGARIE, Antoine Rivoire or			Good short.....		4.00	VALLEY.....		\$3.00, \$4.00 and 5.00
Mrs. Taft.			KILLARNEY.			ADIANTUM CROWEANUM.....		1.00
Long.....		\$10.00	Long.....		8.00	MEXICAN IVY.....		per 1000, \$5.00 .60
Medium.....		8.00	Medium.....		6.00	SMILAX.....		\$12.00 to 16.00
Short.....		4.00 to 6.00	Good short.....		4.00	SPRENGER, PLUMOSUS SPRAYS		3.00 to 4.00
MELODY, long.....			WHITE KILLARNEY.			PLUMOSUS STRINGS, extra long and		
Medium.....		6.00	Long.....		8.00	heavy.....		each, .60
Short.....		4.00	Medium.....		6.00	FERN.....		per 1,000, 2.00
MRS. AARON WARD.			Good short.....		4.00	GALAX.....		per 1,000, 1.25
Long.....		10.00	POMPONS, all colors.....		Per Bunch	LEUCOTHOE.....		per 100, .75
Medium.....		8.00			35c, 50c			
Short.....		4.00 to 6.00						
Extra special Roses, charged accordingly.								

The high quality of every one of our exhibits was remarked by all the trade visitors. It proved that the **Poehlmann Bros. Co.** not only has held the pre-eminent position won at the previous exhibitions, but has this season surpassed itself in the quality of the stock and beaten its own best record. We can supply the exhibition grade of stock to all who order it, and are cutting heavily of all lengths of stem for Thanksgiving.

Send Us Your Orders and You Will Be Handling

THE - BEST CUT FLOWERS IN AMERICA.

FOR THANKSGIVING CARNATIONS

Plenty of good choice stock for everyone.

BEAUTIES

Finest flowers now arriving on the market.

ROSES—MUMS

Big supply of all the leading varieties. Also Very Fancy Pompons. Send Us a Trial Order Today.

Erne & Klingel

30 E. Randolph Street, CHICAGO

L. D. Phone,
Randolph 6578.
Auto. 41-716.

Thanksgiving Price List.

American Beauties.		Per doz.
Special, long.....		\$ 5 00
36 to 40-inch.....		4 00
24 to 30-inch.....		\$ 3 00
18 to 20-inch.....		2 50
12 to 15-inch.....		1 50 to 2 00

Roses.		Per 100
Richmonds.....		\$ 4 00 to \$10 00
Killarney, white, pink.....		4 00 to 10 00
My Maryland.....		4 00 to 10 00
Roses, our selection.....		4 00
CARNATIONS, common.....		2 00 to 3 00
fancy.....		4 00 to 5 00

Miscellaneous.		
Orchids...per doz..	\$7 50 to \$9 00	
Mums.....	1 50 to 4 00	
Pompons, bch.,	35 to 75	
Easter Lilies.....	10 00 to 12 50	
Valley.....	3 00 to 4 00	
Adiantum.....	75 to 1 50	
Asparagus Strings, ea.,	50c to 60c	
Asparagus Bunches, "	25c to 50c	
Sprenger Bunches, "	25c to 50c	
Smilax....per doz.,	\$1 50 to \$2 00	
Galax, green.....per 1,000,	1 25	
bronze.....	1 00	
Ferns....per 1,000,	\$1 50 to \$2 00	20
Boxwood.....50 lb. cases,	7 50	
Wild Smilax..large	5 00	

Subject to change without notice. Store open 7.30 a. m. to 6 p. m. Sundays and holidays close at noon.

C. L. Washburn says that "Bassett & Washburn" in large letters now adorns his firm's large chimney at the new range. The chimney is 142 feet high and the letters are 4 feet in dimension. Mr. Washburn was present when the lettering was done and assisted one of the men in hoisting the 190 pound steeplejack to the top. This firm is having a brisk demand for their fancy white and yellow Eaton chrysanthemums and report that it is impossible to fill all orders for Sunburst, Prince de Bulgarie and Mrs. Aaron Ward roses.

Wietor Bros. are cutting a good supply of Maud Dean and Dr. Enguehard chrysanthemums and a crop of Rosette is due for Thanksgiving. Several new pompons are seen at this place that look very promising, especially Woodrow Wilson, a fine maroon. N. J. Wietor says that he has never before at this season of the year seen the quality of the American Beauty roses as good as it is now.

Poehlmann Bros. Co. is featuring a large assortment of all seasonable stock and a fine grade of roses and chrysanthemums is now seen at the store. The demand for orchids, especially cattleyas, at this establishment the past week has been very brisk. This firm is winning a large number of prizes at the fall shows.

The wholesale florists of this city have formed an organization which will be known as the National Wholesale Florists' Association. The dealers say that this was done to protect themselves against unjust and unlawful exactions and to extend credit only to those worthy of it.

At Percy Jones' store Major Bonnaillon chrysanthemums reign supreme, although a good supply of many of the other seasonable varieties are plainly visible. This firm reports a good demand for chiffons and have an unusually large supply in stock.

Hoerber Bros. are coming in crop with roses and are cutting heavily in chrysanthemums. This firm is having a good call for their Christy Mathewson chrysanthemums and have done well with this variety the first year.

The Chicago Flower Growers' Association is doing both a good city and shipping business and the manager reports a bright outlook for Thanksgiving. Michael Fink is quite at home here now and is doing first rate.

Erne & Klingel are looking forward to their first Thanksgiving and are making preparations for a big trade. They are well pleased with their start

CHRYSANTHEMUMS.

We are largest and finest growers of Chrysanthemums, and are prepared to ship all assortments through the season.

Also VIOLETS, ROSES, CARNATIONS, VALLEY, SMILAX, FERNS and OTHER GREENS are furnished at short notice.

SEND US A TRIAL ORDER.

DOMOTO BROS.,

Nursery:
FITCHBURG, CAL.

Office and Salesroom:
27-29 LICK PLACE, SAN FRANCISCO, CAL.

and are grateful to their friends for their liberal patronage.

J. A. Budlong cut his Chadwick chrysanthemums this week and is featuring a fine grade of American Beauty roses. Wm. Homburg, of this establishment, made a flying trip to Buffalo, N. Y., November 9.

The J. B. Deamud Co. received its first shipment of violets from the Des Plaines Violet Co. this week. Mr. Deamud has been a little under the weather for the past few days.

The Chicago Carnation Co. won first prize on their new scarlet carnation "The Herald" at the St. Paul flower show this week. This firm also won first prize on Enchantress.

John Kruchten's shipments of chrysanthemums are large and contain many of the old favorite varieties. Gardenias are still having a good call and move readily.

E. B. Washburn has purchased a residence on Orange Grove avenue, the Michigan boulevard of Pasadena, Calif., directly opposite the magnificent Busch estate.

James Freidl had a large banquet decoration at one of the local amusement halls on November 10 that called for a large supply of flowers.

D. E. Freres denies the "rumor" that chrysanthemums are scarce and points with pride to his large vases of Major Bonnaillon.

Arthur J. Graves of Bloomington has placed an order for a large greenhouse boiler with the John C. Moninger Co.

Dwight L. Harris says business is the "best ever" with the Pulverized Manure Co. at present.

A. Henderson & Co. announce the arrival of a shipment of spireas.

John Thorpe Embleton, great grandchild of the late John Thorpe, was born on November 4.

The first bouvardia of the season was seen at the E. C. Amling Co. store on November 9.

Miss K. N. Cooper, proprietress of the Auburndale Goldfish Co., is on the sick list.

Park Examinations.

Two examinations of interest to florists and gardeners will be held in the near future by the civil service board of the West Chicago Park Commissioners. One is to fill the position of florist in what is known as Class G, Grade II, and the pay is from \$2.25 a day to \$75 a month. There will be an oral and a practical test in greenhouse work and written questions on the care and propagation of plants and greenhouse operation. The duties of the florist include work in the conservatory and propagating houses and the outdoor gardens. The examination will be held November 20, 1912, at 8 a. m., at the Garfield Park Pavilion, Chicago, and applications must be filed in the office of the board before 5 p. m., November 19.

The second examination is for a gardener in the same grade and class and will be held at the same time and place and be governed by the same rules as regards filing of applications. There will be an oral and a practical test on the care and planting of trees, shrubs and plants. This position pays from \$2.25 to \$3.00 a day. The examinations will be to fill vacancies which may occur in the aforementioned positions within the next two years.

'MUMS

**Largest Crops in the West and Just Right
For Thanksgiving**

Orders now being booked. Get yours in early. All the Leading Varieties in large quantities. Per Doz.: Special, \$3.00; Fancy, \$2.50; Medium, \$1.50. Small, per 100, \$8.00.

BEAUTIES

White and Pink Killarney-Richmond-Jardine and My Maryland Roses

IN GOOD SUPPLY. QUALITY A1.

We Have All the
Standard and
Best New

CARNATIONS

And Can Supply
the Best Grade
in Quantity.

Thanksgiving Price List--

Subject to change
without notice.

BEAUTIES

	Per doz.
Extra Select	\$5 00
36-inch stem	4 00
30-inch stem	3 50
24-inch stem	2 50
20-inch stem	2 00
15-inch stem	1 50

Per 100

CARNATIONS, fancy	\$ 4 00 to \$ 5 00
“ medium	3 00 to 3 50
“ short	2 50

Easter Lilies, medium	10 00 to 12 00
Sprengerl and Asparagus Sprays, per bunch,	50c

Killarney	SELECT, \$8.00 per 100 FANCY, 6.00 per 100 MEDIUM, 4.00 per 100 SHORT, 3 00 per 100
White Killarney	
Mrs. Jardine	
Richmond	
Maryland	

Chrysanthemums, Small	per 100,	\$8 00
“ Medium	per doz ,	1 50
“ Fancy	per doz.,	2 50
“ Special	per doz.,	3 00

Pompons	50c to \$1 00 per bunch
Valley	per 100, 3 00 to 4 00
Ferns	per 1000, 1 50

All Green Goods at market rates.

ROSES, our Selection, \$3.50 per 100

WIETOR BROS.

162 N. Wabash Ave.,

L. D. Phone,
Randolph 2081.

CHICAGO

H. WITTBOLD,

Wholesale Florists and Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech Branches, Prepared Decorative Materials
and General Supplies.

**Just Received a Car of Excellent WILD SMILAX,
\$4.25 a Case while it lasts.**

PHONES } Randolph 4708—Office
 } Rogers Park 227—Nursery

56 E. Randolph Street, CHICAGO.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

FOR THANKSGIVING

A large supply of all kinds of **CUT FLOWERS** and **GREENS**, particularly

Mums = Roses = Carnations.

D. E. FRERES

Wholesale Florist

162 N. Wabash Ave., Chicago

Chicago Florists' Club.

There was a good attendance at the regular meeting of the Chicago Florists' Club Thursday evening, November 7, President Foley in the chair. The resignation of Secretary McCormick was tendered and L. H. Winterson was appointed to take his place temporarily. President Foley announced that he had on behalf of the club extended an invitation to the Chrysanthemum Society of America to hold its annual convention and exhibition here in November, 1913, and this action was approved. An interesting paper on "The Retailing of Cut Flowers" by Irwin Bertermann, of Indianapolis, Ind., was read and at its close the matter of telegraph delivery was discussed at considerable length by George Asmus, who predicted a great future for this department of the retail business and urged florists generally to interest themselves in its great possibilities. Mr. Bertermann's paper will be found elsewhere in this issue.

Chairman French announced the arrangements for ladies' night Thursday evening, November 14, with a banquet at the Hotel Sherman, corner Clark and Randolph streets, at 7:30 sharp, to be followed by an informal dance. All members in good standing are entitled to complimentary ticket good for member and lady. Extra tickets \$2 each.

The nomination of officers for the ensuing year resulted as follows: For president, Guy M. French and D. A. Robertson; vice-president, Chas. Bond, John P. Degnan and Alex. Henderson; treasurer, E. F. Winterson; secretary,

Wilder S. Deamud, L. H. Winterson and S. A. Jamieson; trustees, H. N. Bruns, Geo. Asmus and C. L. Washburn.

Richard Vincent, Jr., of White Marsh, Md., president of the Society of American Florists, has promised to give a lecture at the next meeting, December 5, illustrated with fine stereopticon slides.

H. N. Bruns promised an account of the observations made in Europe during his recent trip, for an early meeting.

St. Louis.

MARKET WELL SUPPLIED.

We are enjoying fine fall weather. The market is well supplied with all kinds of flowers. Medium quality chrysanthemums are plentiful; fancy chrysanthemums are not as numerous as last year. Violets are improving. Medium American Beauty roses and short stems are quickly caught up. Sweet peas have started but not in sufficient numbers to become a factor.

NOTES.

Miss Rose Windler was married to Edward A. Guntley Tuesday, November 5. Miss Windler is well known among the trade. She is a sister to Geo. B. Windler, grower, R. J. Windler, J. J. Windler, retailers, and A. J. Windler and Frank Windler, wholesalers. The wedding took place at St. Anthony church, which was beautifully decorated with white chrysanthemums and palms. The house decoration was also carried out with the same effect, white chrysanthemums and white pom-

pons being used throughout. The bride carried a shower of orchids and lily of the valley.

Otto Berning and Herman Niehaus of Berning's staff, Harry Schlechter and Fred Alves of Geo. H. Angermueller's, Geo. Schriever and C. A. Kuehn, Al Gumz, Frank A. Windler and J. J. Beneke are organizing a bowling league.

At the Wm. C. Smith Wholesale Floral Co. can be seen a vast assortment of home grown chrysanthemums. This firm is making a specialty of handling local products. They are getting some fine roses also.

Mrs. Rosa Schoenle, whose husband died recently, will continue to conduct her flower store. She has sent her cards out in thanks for floral offerings and sympathy in the sad hour of her deep bereavement.

R. A. McPherson of Litchfield, Ill., was a recent visitor. He is consigning Rosseau, a fancy chrysanthemum, and has one thousand plants of Mrs. Drabble coming on, of which he speaks highly.

Mrs. M. M. Ayres has her store well filled with the very choicest of cut flowers. Mrs. Ayres has long had the reputation of being an artist in all varieties of floral work.

Geo. H. Angermueller has a fine lot of supplies. He has a specially fine supply of Christmas novelties, Velvet poinsettias, etc.

E. G. Hill of Richmond, Ind., is shipping a fine supply of chrysanthemums and pompons to H. G. Berning.

Joe Ent has erected a beautiful rustic fountain in the center of his store.

For Thanksgiving

We will have large crops of

BEAUTIES

ROSES

And Carnations

Our cut in general will be very large and will include all the desirable grades, long, medium and short.

Can Supply in Quantity

Specially Fine Richmond, Killarney, White Killarney.

We have not been cutting very heavily lately but all our crops with the exception of Richmond roses are just coming in, so we will be able to supply you with all the stock you need for Thanksgiving. Order liberally of Richmond also for we will have plenty of all grades to go around. Let us have your order as early as possible and be sure to include Beauties and Carnations.

Thanksgiving Price List.

Subject to Change
Without Notice.

AMERICAN BEAUTIES

	Per doz.
Extra Fancy Beauties	\$5 00
36-inch stems	4 00
30-inch stems	3 00
24-inch stems	2 50
20-inch stems	2 00
15-inch stems	1 50
12-inch stems	1 00

	Per 100
Richmond	Extra select \$10 00
Killarney	Select
White Killarney	8 00
My Maryland	Medium
	\$4 00 to 6 00

Sunrise	Extra select	\$6 00
Mrs. Aaron Ward	Medium	\$6 00 to 8 00
Melody	Short	4 00 to 6 00
Roses, our selection		3 00
Chrysanthemums	doz., \$2 00 to \$3 00	
Extra Fancy	doz.,	4 00
Harrisii	doz., \$1 25 to \$1 50	
Carnations	per 100,	3 00 to 4 00
Valley	per 100,	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch		50
Ferns, per 1000		2 00

Peter Reinberg

30 E. Randolph St.,

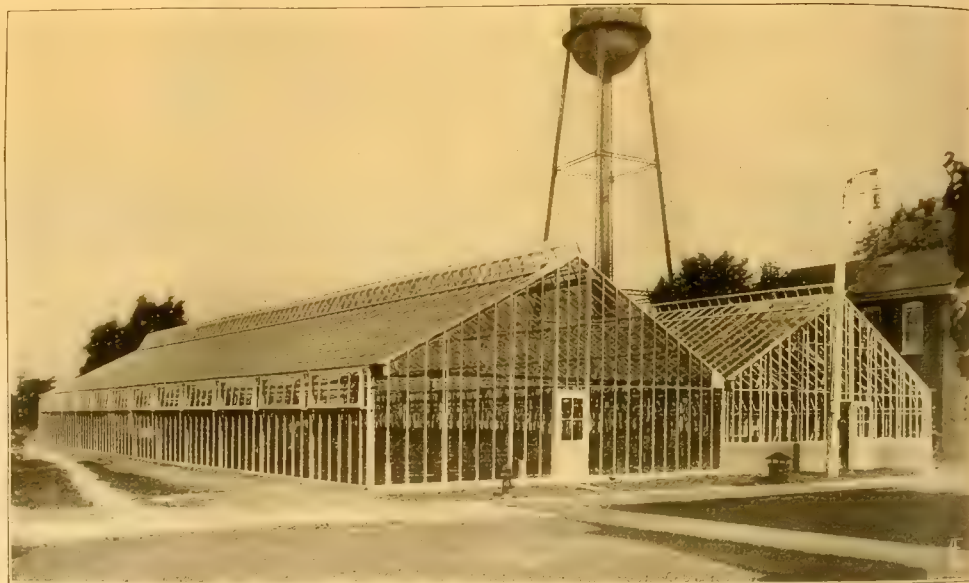
L. D. PHONE
CENTRAL 2846.

Chicago

NOW IS THE TIME TO DECIDE

DO NOT THE HOUSES BELOW APPEAL TO YOU?

If So Place Your Order With Us Now Before the Spring Rush is On and Get the Benefit of Our Dull Season Prices.



Exterior and Interior Views of Two Houses 34 x 100 Feet Each, Built by Us for the Wayne County Institution of the Poor, Detroit, Mich.

WHEN PLANNING THOSE NEW GREENHOUSES

Whose advice is best, a concern which originates or a firm that imitates? We do not travel around the country with kodak, rule, pencil and sketch-pad to copy our competitors' ideas, but have men with brains in our employ, whose business it is to design and invent new appliances for greenhouses.

DO YOU REMEMBER

when Garland first offered the cast iron gutter to the trade? How it was ridiculed by our competitors who said that it was impractical to lay glass on iron? How many manufactures of greenhouses do you find today who do not recommend them? Stop and think what they said about Trussed Houses. Why do they advertise them now? Concrete benches were also out of the question when they were first introduced. Are they today? **Bear in mind that Garland designed and erected the first 27-foot, or so termed Western type of greenhouse that is in use exclusively today by such firms as Poehlmann Bros. Co., Peter Reinberg, George Reinberg, Wieter Bros., J. A. Budlong and hundreds of others.** The two largest ranges of glass in this country are erected on Garland gutters. Garland furnished the material for the largest range of glass ever put up in this country in one year (for Mr. G. C. Barber, of Barberton, Ohio). Garland was the first to attempt to build greenhouses on wheels. Did you see what we had at the late S. A. F. Convention? As soon as our final O. K. is passed on them we will offer them to you, but not before. A greenhouse without a particle of wood used therein and a hydraulic ventilating machine which will do wonders. We have many other greenhouse appliances which will pay you to investigate, such as the never-slip Pipe Carrier, the Garland Handy Truck and others too numerous to mention. These are only a few reason why you should take Garland's advice.

➡ **BE A PROGRESSIVE. WRITE TODAY.** ⬅

GEO. M. GARLAND CO.,

Lock Box S,

Des Plaines, Ill.

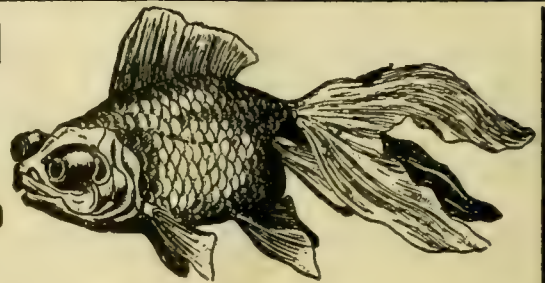
FREE 100 LIVE GOLDFISH

We ship successfully to any part of this country—Pacific Coast included. Get Busy for the Holidays. Send in your order TODAY for prompt shipment.

This Special Combination Costs You \$25.00. You Retail it for \$53.00

YOUR PROFIT IS \$28.00

1 dozen 4-inch Globes,	retail for 10c each.....	\$1 20
1 dozen 6-inch Globes,	retail for 25c each.....	3 00
1 dozen 7½-inch Globes,	retail for 40c to 50c.....	4 80
1 dozen 8½-inch Globes,	retail for 50c to 60c.....	1 50
1 dozen 9½-inch Globes,	retail for 75c to 85c.....	2 25
1 dozen 10-inch Globes,	retail for \$1 00.....	2 00
1-12 dozen 11½-inch Globes,	retail for \$1 25.....	1 25
1-12 dozen 12-inch Globes,	retail for \$1 50.....	1 50
6 dozen Fish Food,	retail for 10c box.....	7 20
1 dozen Cabomba Moss,	retail for 10c bunch.....	1 20
1 dozen Castles,	retail for 15c each.....	1 80
1 dozen Castles,	retail for 25c each.....	3 00
1 dozen Boxes Sea Shells,	retail for 20c box.....	1 20



1 dozen Large Castles,	retail for 45c each.....	0 90
50 Medium Small Fish,	retail for 10c to 15c.....	5 00
25 Medium Fish,	retail for 20c to 25c.....	5 00
20 Large Fish,	retail for 35c to 50c.....	7 00
4 Extra Fancy Orioles,	retail for 50c each.....	2 00
1 Dip Net.....		Free
100 Goldfish, to give away or sell for 10c.....		Free
2 Fish Globe Stands, retail for 50c each.....		1 00

Retail Price.....	\$53 00
Our Price.....	25 00
Your Profit.....	\$28 00

FREE with each outfit: 100 Fish to sell or give away, 250 Circulars, 1 Dip Net. If you sell these 100 free fish at 10c each, you make \$10.00 extra profit. Send your order today for Aquariums, Globes and other supplies. Imported and American Goldfish from \$3.00 p.r 100 up.

Shall We Send
Our Catalogue?

THE AUBURNDALE GOLDFISH CO. CHICAGO, ILL. 920 W. Randolph St.

Satin Edge (Or Three Stripe) CHIFFONS

One of the Necessities for Thanksgiving Trade. (Can be had in any color.)

4-in. wide, 2½c per yard

6-in. wide, 3½c per yard

10-in. wide, 5c per yard

List and Samples of other Ribbons and Chiffons sent upon request.

GEO. H. ANGERMUELLER, Wholesale Florist,

1324 PINE STREET, ST LOUIS, MO.

Flowers Fresh from the Greenhouses

MUMS, ROSES, CARNATIONS, VIOLETS. VALLEYS, ETC.

Let Us Fill Your Thanksgiving Order.

Send for Descriptive Catalogue.

TWO LONG
DISTANCE PHONES.

W. C. Smith Wholesale Floral Co., St. Louis, Mo.

The marriage of Leroy Smith, vice-president of the J. F. Ammann Floral Co. of Edwardsville, Ill., to Miss Ida Epps at St. Charles, Mo., July 20, only became known the other day. She is Werner Bros., in addition to growing fine roses, are raising fine lily of the valley for the Wm. C. Smith Wholesale Floral Co.

Fred Meinhardt says the trade is starting up well and he expects a fine business this fall.

Miss Newmann's store is well filled with fancy flowers. Her windows are always attractive.

Hugo and Gustave Gross are bringing some good violets to this market.

Ben Albers is growing some very fancy California violets. a young school teacher of Madison County. W. F.

Indianapolis.

BUSINESS VERY QUIET.

The last two weeks have been universally pronounced the slowest of the season in regard to business. Chrysanthemums, which are at their height at present, suffered most. The best of them could be bought for from \$1.75 to \$2.00 a dozen. Small blooms are almost unsalable. Good long-stemmed tea roses are not overly plentiful and sell at fair prices. Shorts, however, are abundant and cheap. Carnations are off crop, but the supply is equal to the demand. Fair stock sells at \$2.00 a hundred and fancy stock at \$2.50 to \$3.00 a hundred. Good home grown single violets sell readily at \$1.00 a hundred.

NOTES.

The November meeting of the State Florists' Association was held at Richmond and was well attended. P. J. Foley, of Chicago, happened to be present and as usual radiated cheer and good humor wherever he went. He was elected an honorary member of the Association. All the leading Richmond establishments were visited and Hill's new place, generally known as "Joe's place," received the lion's share of attention and was unanimously pronounced A No. 1 and up to date in every detail. John Evans demonstrated the superiority of his twentieth century ventilating arm, showing conclusive evidence that it is more efficient than the old style.

Recent visitors: P. J. Foley, of Chicago; F. Heintz, Terre Haute; B. F. Hensley, Knightstown, and P. J. Lynch of Newcastle. The two latter gentlemen were drumming up customers for their outputs of chrysanthemums.

L. Benson has opened his new store on Pennsylvania street and says that the business up to date has surpassed his greatest expectations.

H. W. Rieman's new automobile collided with a milk wagon. Little damage, however, was done to either.

A. W. Brandt is building an ice box which is of original and unique design.

Bertermann's new conservatory will be under roof some time this week.

The Hill-Heller Co. had the decorations for the Van Camp wedding.

H. J.

Pittsburg.

STOCK VERY SCARCE.

An unusual shortage of stock is to be reported with the demand for flowers good. Carnations seem to have dropped out of sight altogether. Some of the rose growers timed their crops to be off during the chrysanthemum season, which is usually a good plan, but owing to the scarcity of carnations many more roses could be disposed of. American Beauties have tightened up a little and the medium grades are very scarce. Valley moves out slowly, while the demand for violets is very good.

NOTES.

Quantities of Boxwood are seen at the McCallum Co.'s establishment, as they are already shipping hundreds of pounds daily.

R. J. Daschbach had a large wedding decoration in Uniontown and spent two days there personally directing it.

The Florists' Club met election night. Chrysanthemums was the subject, and a large and interesting exhibit was staged.

The Pittsburgh Cut Flower Co. is cutting heavily on very fine White Killarney roses.

Oliver Crissman, Punxsutawney, and J. W. Glenn, Kittanning, were recent visitors. E. J. M.

PARIS.—Two immense conservatories will be erected in the gardens of the Palais Royal, where it is planned to hold exhibitions from time to time.



Flowers
Plants
Florist-
Supplies



Seeds
Bulbs
Poultry-
Supplies



JANSSEN SEED & FLORAL CO.

Seed and Flower Store

408 E. ADAMS STREET



BOTH PHONES 1487

OCT 14 1912

SPRINGFIELD, ILL.,

191

*J. A. Budlong
Chicago, Ill*

Dear Sir: - We received shipments of Roses for State Fair use in good condition, and are pleased to state that we received our share of Premiums, in spite of the stock being of a medium grade and having to compete with stock grown especially for this show.

Yours Truly

Janssen Seed and Floral Co.

H. F. J.

The above is one of the many testimonial letters that are received from time to time. It speaks for itself. Send us your orders and get the best stock to be had. "Nuff said." Heavy supply of White, Pink and Yellow Chrysanthemums of good quality for Thanksgiving. Also Beauties, Richmond, Maryland, Jardine, Pink Killarney, White Killarney, Prince de Bulgarie and Mrs. Aaron Ward Roses. Try our Blue Ribbon Valley. It is sure to give satisfaction.

**Thanksgiving
Orders Now
Being Booked.**

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA

Costs no more, and where quality is
considered is worth more than double.
Silliman's Every Sprig Berried brand of

MISTLETOE

Twenty-first year. Now booking orders
December shipment. Write for prices.

A. B. SILLIMAN & CO.,
BOONE, IOWA.

FANCY HOLLY \$3.00 per case.

Cash or satisfactory reference with first order.

W. Z. Purnell, Snow Hill, Md.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet **MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Mention the American Florist when writing.

HOLLY Have 9 years' experience packing
holly in cases, 2x2x4. Parties want-
ing good quality Virginia Holly can have their
wants supplied by writing

T. J. Eubank, Brown's Store, Va.

GREEN GALAX

Send us your orders if you want the best quality and immediate shipment.
Having control of twelve thousand acres of galax territory, we are in position
to handle orders for any quantity.



Give us a trial order and our quality, price
and promptness will make you a regular
customer.

Green Galax.....per case of 10,000, \$4.00
Fancy Ferns.....per case of 5,000, 3.50
Green Leucothoe, 10 to 16-in.....per 1,000, 1.00
Green Leucothoe, regular lengths.....per 1,000, 2.00

Wire us Elk Park, N. C.

Bronze Galax will be ready about November 20th.

J. H. VON CANON & CO., Banners Elk, N. C.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases, \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves, Imported Green and Bronze, Basket.....\$1.75; 6 baskets, \$11.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

All greens guaranteed to come up to your standard of quality. **BEST REFERENCES.**

Green Galax.....40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....70c per 1000, 3.25 per case (5,000)
Fancy Fern.....65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....50c per 1000 2.00 per case (5,000)

Terms Cash. Prompt Shipment.
No orders too small to have our attention.

BANNERS ELK, N. C.

DESERT HOLLY

Something New for
Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white
waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its
beauty. **50c and \$1.00.** Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.
Crates 2x2x2½ feet, F. O. B. Amargosa, **\$5.00.** Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.
Northern Michigan Evergreen Nursery,
H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY, - MILFORD, N. H.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens
Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Delaware Holly

Heavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case.
14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN, Felton, Del.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

Don't Forget

We have the finest Valley in the southwestern
market, also all other cut flowers of best grade

WINDLER WHOLESALE FLORAL CO.

1310 Pine St., ST. LOUIS, MO.

Both Phones, Olive or Central 1474.

Philadelphia.

STOCK VERY GOOD.

Now that the election is over business goes on as usual. Good flowers and others not so good are for sale. Some say they sell better than last year and others again see very little change from the prices that prevailed a year ago. The stock coming in is all that could be desired. There is more of it and a greater variety, and perhaps a slightly wider market than in a measure keeps pace with the increased supply. Chrysanthemums are now at their height, and considering the quantity offered are selling very well. Some very fine Yellow Eatons, White and Yellow Chadwick, Maud Dean, Bonnaffon, Golden Eagle and other varieties of almost exhibition caliber are daily offered and bring very fair prices. There are pompons in quantity, the inside stock selling well. In the rose line, American Beauties have been scarce, the growers evidently training this variety so that it will come up strong for the Christmas demand. The specials now bring \$4 a dozen readily, with not enough for the demand. White and Pink Killarney are getting into winter form and very fine stock is seen. The newer fancy sorts are also improving and are much in demand. Carnations are next in importance and will soon be moved to the

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Nov. 13.	Per 100
Roses, Beauty, extra.....	20 00@35 00
" first.....	8 00@16 00
" Brides and Maids.....	4 00@10 00
" Killarney.....	3 00@10 00
" White Killarney.....	3 00@10 00
" Liberty.....	3 00@10 00
Cattleyas.....	35 00@50 00
Chrysanthemums, doz., 1 00@3 00	
Gardenias.....per doz., 1 00@2 00	
Lilium Harrisii.....	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Marguerites.....	75@ 1 00
Snappdragons.....	3 00@ 6 00
Sweet Peas.....	40@ 50
Violets, single.....	50@ 1 00
double.....	75@ 1 00
Adiantum.....	75@ 1 00
Asparagus.....per bunch, 50	
Smilax.....	15 00@20 00

PITTSBURGH, Nov. 13.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums, doz., 2 00@3 00	
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	35@40
Asparagus Sprengeri, per bunch, 35@40	
Sprays.....per bunch, 35@40	

MILWAUKEE, Nov. 13.	Per 100
Roses, Beauty, per doz., 75@3 00	
" White and Pink Killarney.....	3 00@ 8 00
" Richmond.....	3 00@10 00
" Mrs. Aaron Ward, Melody and Mrs. Tait.....	3 00@12 00
Carnations.....	2 00@ 4 00
Chrysanthemums, white yellow and pink.....per doz., 1 00@ 3 00	
'Mums, Pompons, per bunch, 1 00	
Lilium Giganteum.....per doz., 2 00	
Lily of the Valley.....	3 00@ 4 00
Violets.....	75@ 1 00
Single.....	1 50
Adiantum.....	1 50
Asparagus.....per string, 50	
Sprengeri, per bunch, 25@ 35	
Ferns, Fancy.....per 1000, 1 50	
Oak Sprays, prepared.....	1 00
Wild Smilax, per case.....	\$5 00

front. Cattleyas are plentiful, yet they all move off at fair prices. Gardenias are more in demand than ever and the supply about keeps pace. K.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Beauties.

\$1.00-4.00 per dozen. Splendid flowers and a dependable supply. We will be extra strong on Beauties during the entire season.

Cattleyas.

\$6.00 per dozen. Packed with unusual care, every flower will reach you in good condition.

Gardenias.

\$2.00-\$3.00 per dozen. A fresh supply every morning. The best you will find anywhere.

THE LEO NIESSEN CO., Wholesale Florists,
N. W. Cor. 12th and Race Sts.,

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street, : : BOSTON, MASS.

Wholesale Flower Markets

BUFFALO, Nov. 13.		Per 100
Roses, Beauty, special	20 00@25 00	
" fancy	15 00@20 00	
" extra	12 00@15 00	
" No. 1	6 00@10 00	
" No. 2	2 00@4 00	
" Maid and Bride	3 00@6 00	
" Pink Killarney	3 00@6 00	
" White Killarney	3 00@6 00	
" Richmond	3 00@8 00	
" My Maryland	3 00@8 00	
" Kaiserin	3 00@8 00	
" Carnot	3 00@8 00	
" Mrs. Taft	3 00@8 00	
" Aaron Ward	3 00@8 00	
Carnations	1 00@2 50	
Chrysanthemums	4 00@20 00	
pompons, per bunch	35@50	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@4 00	
Pink Japan Lily	3 00@4 00	
Swainsona	50@1 00	
Violets	50@60	
Adiantum Croweanum	75@1 50	
Asparagus, per bunch	35@50	
Asparagus, Sprenger	35@50	
Ferns	per 1000, \$2 00	
Galax	per 1000, \$1 50	
Smilax	15 00	

BOSTON, Nov. 13.		Per 100
Roses, Beauty, best	20 00@25 00	
" medium	12 00@20 00	
" culls	2 00@4 00	
" White and Pink Killarney	1 00@6 00	
" Extra	4 00@8 00	
" Taft	4 00@12 00	
" Cardinal	4 00@12 00	
" Ward and Hillingdon	4 00@12 00	
" Killarney and Richmond	2 00@8 00	
" My Maryland	2 00@8 00	
" Carnot	6 00@8 00	
Carnations, select	1 50@3 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@16 00	
Gardenias	12 00@16 00	
Lilium Longiflorum	8 00@12 00	
Lily of the Valley	2 00@4 00	
Sweet Peas	50@1 00	
Smilax	12 00@16 00	

CINCINNATI, Nov. 13.		Per 100
Roses, Beauty, per doz.	50@3 00	
" Bride, Bridesmaid	2 00@8 00	
" Killarney	2 00@8 00	
" My Maryland	2 00@8 00	
" Perle	2 00@8 00	
" Richmond	2 00@8 00	
" Taft	2 00@8 00	
Chrysanthemums, doz.	1 00@3 00	
Carnations	2 00@3 00	
Callas	12 50	
Lilium Giganteum	12 50	
Lily of the Valley	3 00@4 00	
Orchids	per doz., 6 00	
Sweet Peas	50	
Violets	50	
double	50	
Adiantum	1 00	
Asparagus Plumosus, per bunch	25	
Asparagus Sprenger	per bunch, 25	

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

ST. LOUIS, Nov. 13.		Per 100.
Roses, Beauty, medium	8 00@15 00	
Roses, Beauty, short stems	3 00@6 00	
" Killarney	2 00@4 00	
" My Maryland	3 00@5 00	
" White Killarney	2 00@6 00	
Chrysanthemums, small	5 00@8 00	
large	15 00@25 00	
Easter Lilies	10 00	
Lilium Rubrum	5 00@6 00	
Valley	4 00	
Asparagus Sprenger	2 00@3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New. Fancv	1 50	

PHILADELPHIA, PA.—The Chestnut Hill Horticultural Society held its thirteenth annual chrysanthemum show November 1-2.

—THE—

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

—CONSIGNMENTS SOLICITED.—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. **L. P. WALZ, Mgr**

Flower Colors

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street, CHICAGO

New York.

CHRYSANTHEMUMS CHEAPER.

The glory of the late chrysanthemums is much in evidence, there being many chrysanthemums and much glory. The above is from the viewpoint of the enthusiast and fancier. As the cool and matter of fact dealer sees it, the situation is not so alluring. Though exceptionally fine stock is arriving much of it is selling cheap, a great amount being moved at from 8 to 12 cents. The fancies and what may be termed exhibition stock bring higher prices, but as is well known it is the smaller flowers that are most useful in the average retail store. Major Bonnaffon, Chadwick, Enguehard, Jones, Timothy Eaton and other well-known varieties are now seen at their best and play leading roles in the trade. The past week was replete with exhibitions both here and in nearby cities, and all this publicity should help to educate the people in the love and use of flowers. In roses, American Beauties fell off somewhat in supply toward the last of the week and prices for special stock were somewhat advanced. The new productions, such as Mrs. Geo. Shawyer and Sunburst, go quickly. There is little change in the supply or movement of the staple varieties, such as the Killarneys, Richmond and Lady Hillingdon. A few Brides and Bridesmaids are seen and they sell well. With so many chrysanthemums on the market it is hardly yet time to say much of the carnations except that for the season exceptionally good stock is arriving and of this none is better than Enchantress and Mrs. C. W. Ward. There are several new carnations on the market that look promising, but they have yet to be tried out. A feature worthy of note at this time is that it is impossible to buy 100 good yellow carnations at any price. Lilies and lily of the valley are plentiful enough and of the latter very fine stock is seen. There is a good supply of orchids and gardenias. The price of violets stiffened up a little on Saturday, November 9, which almost aroused hope in the hearts of the optimists that violets will "come back."

New York, Monday, November 11.—There is an over supply of chrysanthemums on the market, and while the stock is good, they are selling cheap. Roses, particularly American Beauties, are doing a little better as are violets. Carnations are holding their own. The weather is very fine and conditions, excepting a possibly excessive supply, are favorable for a good week's business.

NOTES.

Among the visitors in this city the past week was Alexander Montgomery of the Waban Conservatories, Natick, Mass., a former president of the American Rose Society. To say that he is a rose grower of national reputation would be just like saying that Woodrow Wilson is President-elect of the United States. All, and there were thousands of them who saw his new rose Mrs. Charles Russell on exhibition at the American Institute, will tender him a unanimous vote as a leader in his line. The vase of the rose Mrs. Charles Russell which was placed on exhibition on November 6 was, at the close of the show, placed in the window of the wholesale store of S. S. Pennock-Meehan Co., and was looking good at the close of business, November 9.

At the range of the Knight & Struck Co., where H. D. Darlington is the resident manager, there are good prospects for a great stock of ericas or heather, as our Scotch friends love to call it, for Christmas. The ericas are a specialty at this range. Two new houses and other improvements were noted.

The Kervan Company, which does an

immense business in greens, feels no alarm over the reported embargo on Christmas trees coming from New England. Their representatives cover the whole United States and if they cannot get what they want in one place they can get it in another.

A recent visit to the range of Wm. Pankok, Whitestone, L. I., showed a notably fine stock. Mr. Pankok was found busy unpacking a great importation of azaleas, which had happily escaped the frost which has been reported as doing much mischief. A hasty view of his range showed a great stock of fine palms, crotons, pandanus, poinsettias, begonias and a great variety of other foliage and flowering plants.

The show window of the retail store of C. A. Dards, Forty-fourth street and Madison avenue, was decorated the past week in a very artistic manner. Suspended overhead were two large plants of *Platycerum grande* and beneath, in addition to a large vase of *Milady* roses, there was a great exhibit of orchids, chrysanthemums and other seasonable blooms also.

One of the rising young men in the wholesale business is Paul Meconi, who has a good store on the ground floor of the Coogan Building, Twenty-sixth street and Sixth avenue. He makes orchids a specialty but can always furnish any kind of good stock.

The latest retail store to open on Madison avenue is the "Mignon Florist," at number 509. The proprietor is N. G. Davis, a native of Greece, who has had experience in the business in both France and England.

Moore, Hentz & Nash, who bought the range of the John Young Co., Bedford Hills, N. Y., are making a great success of their venture, as all who see the stock they offer will attest.

At the range of the Hinode Florist Co., now owned and managed by C. W. Scott and wife, we found a great stock of fine ferns. Many thousands of lilies will be ready for Easter.

A. L. Young & Co. are now handling very fine stocks in roses and chrysanthemums. A. L. Young, the head of this firm, though yet a young man is capable and experienced.

Wallace Pierson, Cromwell, Conn., returned home November 8, after making the round of sixteen fall shows, at all of which *Milady* received a certificate.

James Walker Heacock, of the Joseph Heacock Co., Wyncote, Pa., was in the City November 11 calling on the trade in the interest of his firm.

H. E. Froment is now handling exceptionally good *Radiance* and *Lady Hillingdon* roses from the L. B. Codrington range.

During the past week exceptionally fine stock of chrysanthemums and roses has been seen at the store of Walter F. Sheridan.

Wm. A. Kessler continues busy filling orders for plants in the evergreen line for winter boxes and vases.

A. F. F.

New York Florists' Club.

The regular monthly meeting of the club was held in the Grand Opera House building on the night of November 11. President Manda in the chair. It was ladies' night, and as Secretary Young said: "Elaborate preparations had been made for the entertainment of the ladies." The business was quickly disposed of and for the remainder of the evening joy was unconfined.

It was very gratifying to the entertainment committee that there were so many ladies present. Charles Schenck, of the committee, had secured a fine array of talent as vaudeville artists and their efforts were well received. After that feature was ended a bountiful repast was served. The hall was finely decorated with

large exhibition chrysanthemums, which were, at the close of the festivities, distributed among the ladies.

The committee on the nomination of officers for the club for the next year reported as follows: For president—Joseph A. Manda, Harry A. Bunyard, William H. Duckham, William H. Siebrecht. For vice-president—L. S. Hendrickson, John Donaldson, J. H. Fießer. For secretary—John Young, A. R. Kennedy, Thos. B. De Forest. For treasurer—W. C. Rickards, Charles Schenck, Philip F. Kessler. For trustees—Frank Traendly, Chas. B. Weatherhead, Harry Turner, John Miesam, A. T. Boddington, F. R. Pierson, Horace E. Froment, Henry Hoerneck, A. H. Langjhar, Walter F. Sheridan.

The Cottage Gardens Co., Queens, N. Y., exhibited its white carnation *Matchless*. Scott Brothers, Elmsford, showed their scarlet carnation *William Eccles*. George Melvin, gardener for Col. Chas. Pfaff, South Framingham, Mass., exhibited plants of *Solanum Capsicastrum Melvina*. J. J. Brozat, Bloomfield, N. J., exhibited the rose *Madame Jules Grolez*, which he claimed was identical with Chas. H. Totty's new rose, Mrs. Geo. Shawyer, to which proposition Mr. Totty emphatically dissented. At the next meeting a vase of Mrs. Geo. Shawyer from the Totty range will be exhibited beside the Brozat rose and a committee of experts will view them.

A. F. F.

Rochester, N. Y.

BUSINESS BRIGHTER.

Business conditions are looking brighter here. Funerals, weddings and other events have continued to keep Rochester florists quite busy, and the week's business shows very satisfactory results. Most of the florists have been engaged at the flower show during the greater part of the week, but work has gone along steadily. Stock is coming in in good shape. Mums are in evidence in great volume and are in good demand. Josephine C. Touse and Major Bonnaffon have been added to the list. Paper white narcissus have made their first appearance this season. Violets, both English and California, are larger and more fragrant and both sell well. White candy tuft is also in fine condition. Carnations are also better but are not very long stemmed yet. Red sorts are very scarce, in fact, all are scarce. Roses are better and come in good quantities. Mrs. Taft, Mrs. Aaron Ward, Melody, My Maryland and Killarneys are all good sellers. There seems to be quite a call for potted mums in the large and pompon varieties this week. There is a great deal of fall planting going on. The general report is that the bulb business is heavier this season than last.

NOTES.

On Monday night, November 4, the store of H. E. Wilson was entered by a burglar and the cash register robbed of about eighteen dollars. The robber climbed through the transom over the door during the night, but his haul was not very large, the register having been cleared during the evening of most of the money. The police are making inquiries.

The extensive plant of The Rex Company, manufacturers of lime and sulphur solutions for spraying purposes, and other property close by, was entirely destroyed by fire on November 6, causing an estimated loss of \$15,000, which was only partially covered by insurance. The building was a 60x100 foot structure.

Chas. Nuhlberger, who has been gardener for a great many years for the Rochester State Hospital, has now taken over additional work as farm manager.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Badgley, Riedel & Meyer, Inc.**

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 (Madison Sq.) 1665

Consignments Solicited

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST

OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash.

H. E. Wilson supplied a huge vase of American Beauty roses for the room of Woodrow Wilson (President-elect), at the Hotel Powers on November 1. Salter Brothers supplied the white and yellow chrysanthemums.

James Vick's Sons have settled down to business in their new store on State street. They will be capable of handling their extensive trade much better than of late.

The fifty-eighth annual meeting and exhibition of the Western New York Horticultural Society will take place in Convention Hall December 11-13, 1912.

Morris Cohen of Wertheimer Bros., New York, called on trade this week and said he was very well pleased with business conditions generally.

H. J. H.

Not Briarcliff Headquarters.

We are in receipt of a communication from Paul M. Pierson, proprietor of the Briarcliff greenhouses, Scarborough, N. Y., with reference to a New York news item appearing in our issue of October 26, page 810. This item was sent in by our former New York correspondent and Mr. Pierson writes as follows regarding it: "Our attention has been called to a notice published in your paper October 26 announcing the opening of a retail flower store in New York to be known as 'The Briarcliff Flower Shop,' and stating that they are the New York headquarters for the famous Briarcliff roses. It is only fair to us to state that we have no connection whatever with the proprietors of this store and have given them no authority to use our name in connection therewith. Of course, if they wish to handle Briarcliff roses, we shall be very glad to have them as our customers precisely as other retail stores in New York and other cities are our customers. We are making this statement because many of our customers seem to be under the impression that we are entering the retail business, which has no foundation in fact."

VIOLETS

We ship only
first-class stock.
Place orders
early.

For Thanksgiving
Direct from the Largest Grower.

Telephone-Telegraph Connection.

J. VONDER LINDEN, Rhinebeck, N. Y.

Mention the American Florist when writing

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Wholesale Flower Markets

	NEW YORK, Nov. 13.	Per 100
Roses, Beauty, special.....	25	00@30 00
" extra and fancy	15	00@20 00
" No. 1 and No. 2.....	3	00@8 00
" Bride, Bridesmaid special	3	00@5 00
" extra and fancy.....	1	00@3 00
" No. 1 and No. 2.....	1	00@4 00
" Killarney, My Maryland.....	5	00@8 00
" extra and fancy.....	3	00@4 00
" No. 1 and No. 2.....	1	00@2 00
" Taft, Hillingdon, Aaron	1	00@6 00
" Ward.....	1	50@7 50
" Richmond.....	6	00@10 01
" Sunburst, special.....	8	10@30 00
" Mrs. Geo. Shawyer.....	1	00@2 00
Carnations.....	25	00@50 00
Cattleyas.....	2	00@40 00
Chrysanthemums.....	10	00@25 00
Gardenias.....	2	00@4 00
Lilies, Longiflorum and Harrisii	1	50@2 00
Lily of the Valley.....	20	@40
Narcissus, Paper White.....	15	@50
Violets.....	20	@40
Adiantum Croweanum.....	15	@50

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq
53 W 28th St., bet. Broadway
and Sixth Avenue, NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

List of Members

Atlantic City, N. J., 1506 Pacific Ave.,	Berke, Geo. H.	Montgomery, Ala., 116 Dexter Ave.	Rosemont Gardens
Bloomington, Ill., 318 N. Main St.	Washburn, A. & Sons	Mt. Vernon, N. Y., Columbia Ave.	Dummett, Arthur
Boston, Mass., 342 Boylston St.,	Carbone, Philip L.	Newark, O.	Duerr Chas. A.
Boston, Mass., 43 Bromfield St.,	Penn, Henry	New London, Conn.	"Reuters"
Buffalo, N. Y., 304 Main St.,	Palmer, W. J. & Son	New York, N. Y., Madison Ave. and 44th St.	Dards, Chas. A.
Chicago, Ill., 2223 W. Madison St.,	Schiller, The Florist	New York, N. Y., 427 Fifth Ave.	Siebrecht & Son
Chicago, Ill., 31st and Michigan Ave.,	Smyth, W. J.	New York, N. Y., 1153 Broadway	Small, J. H. & Sons
Chicago, Ill., 22 E. Elm St.	Wienhoeber Co., Ernst	Northampton, Mass.	Field, H. W.
Cincinnati, O., 138 E. 4th St.	Baer, Julius	Norwich, Conn.	"Reuters"
Cincinnati, O., 150 E. 4th St.	Hardesty, T. W. & Co.	Oklahoma City, Okla.	Stiles Co., The
Cleveland, O., 5523 Euclid Ave.	Graham, A. & Son	Parkersburg, W. Va.	Dudley & Sons, J. W.
Cleveland, O., 1836 W. 26th St.,	Knoble Bros.	Paterson, N. J.	Sceery, Edward
Cleveland, O., 1284 and 1308 Euclid Ave.		Philadelphia, Pa., 1514 Chestnut St.	Pennock Bros.
	The Jones Russell Co.	Pittsburg, Pa., 6926 Penn Ave.	Randolph & McClements
Colorado Springs, Colo.	Crump, Frank F.	Portland, Ore., 133 Sixth St.	Tonseth Floral Co.
Council Bluffs, Ia., 321 Broadway	Wilcox, J. F. & Son	Poughkeepsie, N. Y.	The Saltford Flower Shop
Danville, Ill.	Smith, F. B. & Sons	Rochester, N. Y., 25 Clinton Ave.	Keller & Sons
Dayton, O., 112 S. Main St.	Heiss Company	Rochford, Ill.	Buckbee, H. W.
Denver, Colo., 1643 Broadway	Park Floral Co.	Scranton, Pa.	Clark, G. R.
Detroit, Mich., 153 Bates St.	Bemb Floral Co., The L.	Seattle, Wash., 1534 Second Ave.	Hollywood Gardens
Detroit, Mich., Gratiot Ave. and Broadway,	Breitmeyer's Sons, John	Sioux City, Ia., 45 Douglas St.	Rocklin & Lehman
Fayetteville, Ark., 18 W. Center St.		Spokane, Wash., 11 Post St.	Hovt Bros. Co.
	The Southwestern Seed Co.	Springfield, Mass., 378 Main St.	Aitken, Mark
Galesburg, Ill.	Pillsbury, I. L.	St. Joseph, Mo.	Stapp Floral Co.
Hartford, Conn.	Coombs, John F.	St. Louis, Mo., 7th and Washington Ave.,	Grimm & Gorly
Indianapolis, Ind., 241 Massachusetts Av.,	Bertermann Bros. Co.	St. Louis, Mo., 7041 Florissant Ave.	Meinhardt, Fred. A.
Joliet, Ill., Hobbs Bldg.	Labo Joseph	St. Paul, Minn., 24 W. 5th St.	Holm & Olson
Kalamazoo, Mich., 141 S. Burdick St.	Von Bochove & Bros.	Terre Haute, Ind., 139 S. 7th St.	Heinl, John G. & Son
Kansas City, Mo., 913 Grand Ave.	Murray, Samuel	Toledo, O., 386 Superior	Freeman, Mrs. J. B.
Kansas City, Mo., 1116 Walnut St.	Rock, W. L. Flower Co.	Toledo, O., 2941 Cherry St.	M's E. Suder
London, Ont., Canada.	J. Gammage & Sons	Washington, D. C., 1214 F St. N. W.	Gude Bros. Co.
Louisville, Ky., Masonic Temple,	Baumer, August R.	Washington, D. C., 14th and G St.	Small, J. H. & Sons
Louisville, Ky., 550 S. Fourth Ave.	Schulz, Jacob	Wheeling, W. Va.	Arthur Langhans
Mankato, Minn.	Windmiller Co., The	Wichita, Kans., 145 N. Main St.	Mueller, Chas. P.
		Zanesville, O., 54 N. 5th St.	John D. Imlay

500 Members in 1915. Help Get Them.

When Can we add your name on this list?

Cleveland.

ELECTION WEEK POOR.

Election week was a little slow, according to reports from many retailers, funeral work being about the only outlet for the enormous supply of chrysanthemums which are arriving daily. Carnations are short of the demand, most growers being off crop. Roses are moving nicely and stock is exceptionally good. Violets are in good demand. Orchids are plentiful with little demand. Pompon chrysanthemums have been very plentiful this year. Greens of all kinds are also plentiful. Boxwood is being used quite freely. Orders for Christmas supplies are rapidly coming in and help to keep the wholesalers busy a good part of each day.

The flower show given under the auspices of the Ohio Horticultural Society promises to be a big success. Nearly all the leading local florists have reserved space for display purposes and the show is being advertised extensively in the local papers as a big society event. Florists should lend all the support possible as the returns will be worth a good deal to growers and retailers alike. Thursday, Friday and Saturday, Nov. 14, 15 and 16, are the days. C. F. B.

ROCKFORD, ILL.—W. C. Burroughs, who conducts a greenhouse at his home, has purchased another of Leake & Offord. He will operate both establishments.



The Meyer Green Silkline

The Best Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this Strong, Smooth Thread. For more than a quarter of a century a Prime Favorite with Growers and Florists.

—Manufactured by—

John C. Meyer & Co., Lowell, Mass.
THE LOWELL THREAD MILLS.

BOXWOOD

Of all our recent importation we have sold out of all except these sizes.



Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.

	Each	Pair
2½ ft. high	\$2 00	\$3 75
3 ft. high	2 50	4 50
3½ ft. high	3 50	6 00
4 ft. high	4 50	8 00

Globe Shaped.

	Each	Pair
15 in. high, 15 in. in diameter ..	\$2 25	\$4 00
18 in. high, 18 in. in diameter ..	2 75	5 00

Standard or Tree Shaped. Each Pair
18-26 in. stem, 18 in. crown \$3 00 \$5 00

Bay Trees. With 20, 22, 24, 26, 46 inch heads. Pyramids 6 and 7 feet. ASK FOR PRICES.

CHICAGO
31-33 W. Randolph St. **Vaughan's Seed Store,**
Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK
25 Barclay St.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave. and 339 to 347 Greene Ave.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Mention the American Florist when writing

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.
November 20.

Duca Di Genova, Navigazione, Pier 64, North River.
Hyperia, Houston Line, Pier 38, Atlantic dock.

Vasari, Lamport & Holt, 12 noon.

November 21.

FROM MONTREAL, Virginian, Allan.

Volturno, Uranium.

Baltic, White Star, 12 noon.

Hellig Olav, Scand. American, 2 p. m.

November 22.

FROM QUEBEC, Virginian, Allan.

FROM PHILADELPHIA, Menominee, Red Star, 10 a. m.

November 23.

Columbia, Anchor, 8 a. m., Pier 64, North River.

Philadelphia, American, 9:30 a. m., Pier 62, North River.

Oceanic, White Star, 12 noon.

FROM BOSTON, Celtic, White Star, 9 a. m.

FROM MONTREAL, Megantic, White Star, Dom., at daylight.

Prinz Friedrich Wilhelm, North Ger. Lloyd, 10 a. m.

FROM MONTREAL, Athena, Donaldson.

Trent, Royal Mail, Pier 42, North River.

November 24.

FROM MONTREAL, Ionian, Allan.

November 25.

Scottish Prince, Prince.

November 26.

Rotterdam, Holland-American, 10 a. m.

Kaiser Wilhelm der Grosse, North Ger. Lloyd, 10 a. m.

November 27.

Mauretania, Cunard.

Lapland, Red Star, 10 a. m., Pier 61, North River.

November 28.

Amerika, Ham.-Amer., 10 a. m.

November 30.

California, Anchor, 12 noon, Pier 64, North River.

St. Louis, American, 9:20 a. m., Pier 62, North River.

Adriatic, White Star, 12 noon.

Patricia, Ham.-Amer., 2 p. m.

America, Navigazione, Pier 64, North River.

George Washington, North Ger. Lloyd, 10 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave.
Kansas City and
Pleasant Hill, Mo.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M. Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 50 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McCannell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldochil, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Sankes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uralh J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

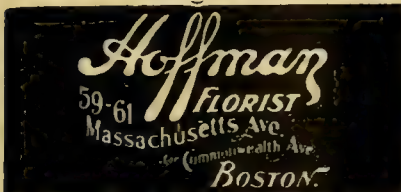
Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bro and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Gony Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heisl & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2180
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses,
Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts
of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinal)

336 Superior St., Toledo, O.

Both Phones. 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for
Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Toronto.

BUSINESS VERY GOOD.

Business conditions are so good that at times the demand for flowers goes unfilled. Chrysanthemums are earlier than usual and although being grown in larger quantities than ever they are none too plentiful. The Canadian Thanksgiving day, October 28, gave an unprecedented amount of trade for Saturday, the twenty-sixth, and the market was cleaned up of all available stock. American Beauty roses are fine and meet with ready sale. Yellow roses still continue to hold their popularity and are hard to get at times. Ed. Molly, Richmond, the Killarneys and Brides are all in good shape but not nearly plentiful enough to go around. The carnation growers have struck it right and have their stock looking better than for many seasons past. The blooms at present are many of them up to the mid-winter quality and are hardly left enough time on the plants to develop properly. Lily of the valley and violets are both plentiful and good, as are orchids, especially cattleyas and oncidiums. The season has been poor for good colored oak or maple foliage and many cibotium and nephrolepis ferns are being used, of which there is a good supply.

NOTES.

The Steele Briggs Co. can always be depended on for some good chrysanthemums, their Bonnaillon being the first in this locality. Pink and white Ivory as they grow them are an addition to any florist's stock, and both Pennsylvania and Philadelphia, forgotten by many, are superior to many of the newer varieties.

W. Fendley has been changing the returns in his plant and installing more boilers, one of which caused him the loss of several teeth and some bad bruises as the result of an accident. However, he has been hard at work getting his violets housed. His plants are in fine shape and producing good flowers.

R. Jennings has had a lot of trouble with moths which have invaded the chrysanthemum houses and done considerable damage. In spite of this he is cutting some good blooms and the carnations were never better.

Grobba & Wandrey, having added to their storage facilities, are going extensively into growing valley. Cyclamen, of which they grow large quantities, is being marketed.

Mitchell, of the Woodstock Floral Co., was a recent visitor. He has been sending in chrysanthemums, carnations and violets, all of which show careful growing. H. G. D.

WATTSBURG, WASH.—A number of enthusiastic flower growers met here recently and organized the Waitesburg Floricultural Association. The officers elected are: Walter C. Jones, president; Mrs. R. E. Butler, vice-president; Mrs. Elma Brink, secretary-treasurer. A committee to have charge of flower shows is composed of J. L. Harpe, G. M. Lloyd, E. L. Wheeler, Mrs. R. E. Butler and Mrs. Elmer McKinney.

KERMAN, CALIF.—This town's second annual chrysanthemum show was held November 2.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URAH J. VIRGIN, CANAL ST. —838—

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

The Best Color Chart

**For Florists, Seedsmen
and Nurserymen.**

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST Co.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO

PRICE, ONE DOLLAR, POSTPAID.

Joseph Heacock Company's Palms AND Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high.	Each
2½-in.	4	8 to 10.....	\$ 1 50
3-in.	5	12.....	2 00
4-in.	5	15.....	4 00
5-in.	6 to 7	18.....	6 00
6-in.	6 to 7	24.....	12 00
6-in.	6 to 7	26 in. high.....	15 00
6-in.	6 to 7	28 to 30.....	18 00
Cedar tub Leaves			
		In. high.	Each
7-in.	6 to 7	34 to 36.....	2 50
9-in.	6 to 7	40 to 45.....	4 00
9-in.	6 to 7	42 to 48.....	5 00
9-in.	6 to 7	48 to 54.....	6 00
9-in.	6 to 7	5 ft.....	8 00
9-in.	6 to 7	6 to 7 ft.....	10 00
Cocos Weddelliana			
Pot	In. high		Per 100
2½-in.	8 to 10.....		\$10 00
Areca Lutescens			
9 in.	Several	5 ft.....	\$7 50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36.....	\$ 2 50
7-in.	4	36 to 40.....	3 00
9-in.	4	40 to 42.....	4 00
9-in.	4	42 to 48.....	5 00
9-in.	4	48 to 54.....	6 00
9-in.	4	5 ft.....	7 50
12 in.	4	5½ to 6½ ft.....	15 00

Phoenix Roebelenii			
Pot			Each
5-in., nicely characterized			\$1 00
6-in., 18 to 20-in. spread.....			1 50
Cedar tub			
	High	Spread	Each
7-in.	18-in.	24-in.....	\$2 00

Cibotium Schiedel			
Cedar tub	Spread		Each
7-in.	2 to 2½ feet.....		\$2 00
9 in.	4 feet.....		4 00
9 in.	5 feet.....		5 00
9 in.	6 feet.....		6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9 inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station.
Jenkintown.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.

Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

Gladiolus Bulbs.

75,000 healthy first size bulbs, named kind.

100,000 healthy second size bulbs, named kind and mixture.

All from our seedlings, never offered to the public before. Flowers 4 to 6 inches across. Cheap to Wholesale Trade for 30 days. Write now; tomorrow may be too late.

Gladioli Specialty Ass'n.,
Old Point Comfort, Va.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Field Grown Carnation Plants.

Clean, Well Grown and Healthy. Order Now.

	Per 100	Per 1000
White Enchantress, -	\$6.00	\$50.00
Enchantress, -	6.00	50.00
C. W. Ward, -	6.00	50.00
Pink Delight, -	6.00	50.00

F. F. SCHEEL,

SCHERMERVILLE, ILL.

PRIMROSES

	Per 100	Per 1000
Chinensis, Obconica, Alba Rosea, and Gigantea, 2½ pots.....	\$1 50	\$12 00
ASPARAGUS		
Plumosus, 2½ pots.....	2 00	18 00
Sprengerii.....	2 00	15 00

VINCA VARIEGATA

Field Plant Cut back..... 5 00

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

—WRITE—
GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:		Per doz.
2 foot Elm Bark Canoes.....		\$4.00
3 foot.....		6.00
6 in. Birch Bark.....		1.00

Order a few of each size.
Mention the American Florist when writing

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. Malacoides, Chinese, Forbesi, Obconica Alba, Rosea, Lilac, Rubra, Hybrida, Compacta, Carmine, Blue, Sanguinea, Kewensis.

Double Petunia

10 kinds, 2-in.....\$2.00 per 100

Snapdragons

Giant White, Red, Yellow, Pink, 2-in., \$2.00 per 100

Pansies

Giant varieties.....\$2.50 per 1000

Yellow Daisy, 2½-in.....2c

Flowering Begonias, 6 kinds, 2-in.....1½c

Cash. **BYER BROS., Chambersburg, Pa.**

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

WHITESVILLE, Mo.—Thomas Slawson is building a new seed house.

SEED beans of new crop will have to be dried promptly as they are coming in very damp.

PANTON, ILL.—The large seed warehouse being erected by Noble Bros. is nearing completion.

WATERLOO, IA.—The Iowa Seed Dealers' Association will meet here the first Monday in June, 1913.

LAWRENCE, KANS.—The Busch Seed Co. has moved into the Pearson building which it recently purchased.

EARLY reports of the tuberose crop indicate damage from "big root" disease varying from 30 to 40 per cent.

CABLE advices from Japan indicate that some late dug lots of *Lilium giganteum* have suffered by sprouting.

WEATHER continues good for bouquet green gathering but first hand dealers do not seem inclined to shade prices yet.

It is understood that Albert Dickinson and Chas. D. Boyles have resigned their positions in the Albert Dickinson Co., Chicago.

THRESHING conditions on beans in Michigan still continue bad. The beans are so moist that the threshers can not work.

CHICAGO.—Prices on the Board of Trade November 13 for grass seed were noted as follows: Timothy, \$3.25 to \$4 per 100 pounds.

THE dry rot and large-sized screenings are using up a considerable part of the apparent surplus of onion sets on the Chicago market.

FIELD corn is being taken into storage in good condition. There should be a good supply this season of dry, high germinating seed.

HELENA, MONT.—The Montana Seed Growers' Association, an organization of farmers, was brought into being here at the recent state fair.

THE favorable fall weather has facilitated the harvesting of gladiolus bulbs and most growers report stock well gathered and under shelter.

A. H. Goodwin, of Chicago, sails for Paris November 30 on the S. S. George Washington, via Cherbourg; he goes to join Mrs. Goodwin who has spent the summer there.

COLUMBIA, MO.—A seed testing laboratory is being operated by the agricultural college in co-operation with the United States Department of Agriculture.

SHENANDOAH, IA.—The Henry Field Seed Co. has completed the improvements on the two buildings formerly occupied by the Swanson Mfg. Co., which the seed company purchased last spring. The rapid growth of this firm makes more room necessary.

SAN JOSE, CALIF.—Thos. W. Chisholm, sales manager of the Braslan Seed Growers Co., left California November 10 for the annual visit to the seed trade.

PEAS imported into the United Kingdom have increased, while beans have decreased. During the trade year ended August 31 imports were 125,800 and 54,000 tons, respectively, in comparison with 76,300 and 100,000 tons, respectively, in the 12 months ended August 31, 1910.—Daily Consular and Trade Reports.

VISITED CHICAGO: H. H. Laughlin, of the Laughlin Seed Co., San Jose, Calif.; J. W. Edmundson, of the California Seed Growers' Association, Inc., San Jose Calif.; C. C. Massie, of Northrup, King & Co., Minneapolis, Minn., enroute to Detroit; H. A. Johns, representing the Sioux City Seed & Nursery Co., Sioux City, Ia., on a visit to his bean growing district in Michigan.

Bouquet Green and Holly.

The bouquet green outlook in the west has been improved by reasonably good weather for the past 10 days. First hand general store buyers in the district who started the high prices are not disposed to make any concessions yet and some report light snows. It is not likely that prices will decline much if present weather continues.

Fancy holly packers are asking about the same prices as in the fall of 1911.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Government Seed Distribution.

Washington, D. C., November 12.—The annual work of assembling and packeting seeds for free congressional distribution has been commenced by the department of agriculture. More than 600 tons of seeds will be put into approximately 60,000,000 packets preparatory to mailing after January 1. Plans for a special distribution of seeds adapted to dry land conditions are being made by the bureau of plant industry. The object is to distribute the seeds in the great plains area and other dry sections for demonstration purposes.

Catalogues Received.

Sutton & Sons, Reading, England, Amateur's Guide in Horticulture for 1912; Vilmorin-Andrieux & Co., Paris, France, general list of plants; H. Cannel & Sons, Swanley, Kent, England, floral guide of plants; V. Lemoine et Fils, Nancy, France, gladioli, etc. and plants; Pape & Bergmann, Quedlinburg, Germany, novelties for 1912; Souper & Notting, Luxembourg, Europe, new roses; Theodore Pauwels et Cie, Meirelbeke station, Belgium, orchids; Etablissements Horticoles du Littoral, Cap d'Antibes, France, gerberas and freesias.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—

Special Bulb Prices

**VERY BEST QUALITY
For Immediate Order.**

	Per 100	1000
Calla Lilies , large size.....	\$5.00	
extra selected.	7.50	
Freesias , <i>Refracta Alba</i> , first size. .75	\$ 7.00	
extra large .90	8.50	
Narcissus , Paper White Grandiflora.....	.90	8.50
Hyacinths , Single, separate colors, unnamed.....	2.10	20.00
Hyacinths , Double, separate colors, unnamed.....	2.35	22.50
Narcissus , Empress Double Nose. 1.60	14.00	
Narcissus , Polyanthus Double Roman.....	1.00	8.50
Oxalis , Bermuda Buttercup.....	1.00	8.50
Iris Hispanica	.30	2.50

To Secure These Prices, Mention This Adv.

Fair supply of all other varieties.
Send your order today.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Contract Seed Growers

**Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.**

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

For Fall Planting

Lilium tenuifolium, *Hansonii*, *Davuricum*, *Henryi*, *Elegans* and *Wallacei*;
Daphne Cneorum, *Syringa Japonica*, *German* and *Japan Iris*. Fall list ready.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

BULBS FOR FALL PLANTING AND FORCING.

Bulb stocks are getting scarce. If you have not covered your requirements, we advise placing order without delay. We can still supply the following stock, which we offer as long as unsold.

Hyacinths, Fine named. Best commercial sorts, viz., *Albertine*, *Baroness van Tuyll*, *Czar Peter*, *Charles Dickens*, *Gertrude Gigantea*, *La Grandesse*, *L'Innocence*, *La Peyrouse*, *King of the Blues*, *Grand Maitre*, *Mme. Van der Hoop*, *Moreno*, *Robt. Steiger*, etc., \$4.00 per 100.

Hyacinths, Separate colors, single. Pink, white, blue, yellow, \$2.50 per 100.

Tulips, Single, *La Reine*, \$7.00 per 1,000; *Rose Gris de lin*, \$7.00 per 1,000.

Tulips, Darwin named. Pres. Roosevelt, May Queen, Mrs. Stanley, Mme. Krelage, Gretchen, Flambeau, Europe, Bartigon, Baronne de la Tonnaye, The Sultan, Summer Beauty, Isabella, Inglescombe Pink, Elegans Lutea, \$2.00 per 100.

Tulips, May-flowering or Cottage. Gesneriana, Spathulata, Picotee, \$11.00 per 1,000; Bouton d'Or, \$10.00 per 1,000; Bizards, Byblossoms, Golden Crown, \$7.50 per 1,000; Parrot Named, four sorts, \$1.00 per 100.

Tulips, Double. Couronne d'Or, \$14.00 per 100; Tournesol Red and Yellow, \$17.00 per 1,000; Count of Leicester, Duke of York, La Candeur, Murillo, Rose Blanche, Yellow Rose, \$1.00 per 100; Salvator Rosa, \$1.50 per 100.

Narcissus, Paper White Grandiflora, 13 c-m bulbs, 1,250 to the case, \$3.50 per 1,000; 14 c-m bulbs, 1,000 to the case, \$10.50 per 1,000.

Narcissus, Double Von Sion, double-nosed bulbs, \$2.50 per 100; Alba Plena, Odorata, \$1.00 per 100; Orange Phoenix, Silver Phoenix, \$1.25 per 100; Mrs. Langtry, Barri Conspicuous, Poeticus, Poeticus Ornatus, Campernelle Jonquil Rugulosus, 75c per 100.

Cold Storage Lily of the Valley for Christmas Forcing. We carry only one grade—the very highest quality obtainable, packed in cases containing 250, 500 and 1,000 pips each.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

Freesias, French, Mammoth bulbs, \$9.00 per 1,000; Purity, \$15.00 per 1,000.

Spires, Gladstone, case of 100 clumps, \$3.00; Queen Alexandra, case of 100 clumps, \$11.00.

Lilium, Giganteum, 7-9 inch bulbs, case lots of 300 bulbs, \$16.50; Giganteum, 8-10 inch bulbs, case lot of 225, \$20.00; Multiflorum, 9-10 inch bulbs, case of 200, \$17.00.

Crocus, Named, \$6.00 per 1,000.

Gladiolus, Celvilli Alba "The Bride," \$5.50 per 1,000; Peach Blossom, \$9 per 1,000.

Spanish Iris, Named, \$5.00 per 1,000; mixed, \$3.00 per 1,000.

Callas, Extra sized bulbs, \$10.00 per 100.

Allium Neapolitanum, 50c per 100.

Anemones, The Bride, single, and double mixed, 50c per 100.

Chionodoxa, Luciliae, 75c per 100.

Grape Hyacinths, Blue, 50c per 100.

Feathered Hyacinths, 75c per 100.

Ixias, Finest mixed, 50c per 100.

Oxalis, Alba, Bowei, Versicolor, 75c per 100

Ranunculus, French, Persian, Turban, 50c per 100.

Scilla, Siberica, Campanulato cerulea, 50c

Snowdrops, Double, \$1.00 per 100.

Sparaxis, \$3.50 per 1,000.

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.
226-230 W. KINZIE STREET, CHICAGO

ONION SETS

**GROWERS FOR THE TRADE
Write for Prices.**

Mention the American Florist when writing

VALLEY FOR CHRISTMAS

Bruns' Celebrated Chicago Market are the finest Cold Storage Valley,
\$2.00 per 100, \$18.00 per 1000.

Florist Money Maker, \$1.80 per 100, \$16.00 per 1000.

New Stock, now ready. Best Valley for early forcing, \$16.00 per 1000.

H. N. BRUNS,

3032-42 Madison St., Chicago, Ill.

Cannas and Dahlias

Undivided Field Clumps at bargain prices. See Classified Department.

Wagner Park Conservatories, Sidney, O.

Mention the American Florist when writing

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Mention the American Florist when writing

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Tenerife.

CHRIS. REUTER, New Orleans, La.

Mention the American Florist when writing

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

'MUM STOCK PLANTS

Early Yellow—Chrysolora.

Per doz., \$3.00; per 100, \$15.00.

Early Yellow—Crocus.

Per doz., \$2.00; per 100, \$10.00.

Early White—Smith's Advance.

Per doz., \$2.00; per 100, \$10.00.

Early Pink—Unaka.

Per doz., \$2.00; per 100, \$10.00.

Bassett & Washburn
HINSDALE, ILL.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-

kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100..\$13.00

Rubrum, 9 in.-11 in. per 100.. 9.00

" Melpomene, 9 in.-11 in. per 100.. 9.50

Tuberoses, Double, pearl, 4 in.-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants

114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

BURPEE'S SEEDS

PHILADELPHIA

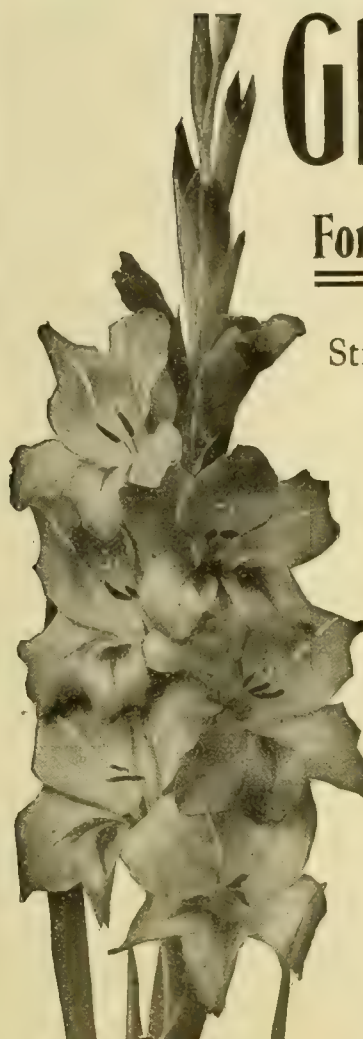
Wholesale Price List for Florists
and Market Gardeners.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE

ARTHUR T. BODDINGTON

342 West 14th St., New York.



Mrs. Francis King

Gladiolus

For Greenhouse Forcing

Strong, Well Ripened Bulbs

Our Own Growing

Mrs. Francis King

America Augusta

Chicago White

WRITE FOR PRICES
stating quality

Vaughan's Seed Store

CHICAGO

NEW YORK

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St.,

CHICAGO

Boston Ferns...

\$3.00 per 100 \$30.00 per 1000

Whitmani Compacta (new), to take the place of

Whitmani. A better commercial fern; 2 1/2 in.,

\$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.

250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

PANSY SEED

Giant Strain, Home-Grown.

50c per trade pkt.; \$1.50 per 1/4 oz.; \$5.00 per oz.

Cyclamen Seed English strain, best

obtainable \$1.00 per

100; \$9.00 per 1000. Write us.

S. S. SKIDELSKY & CO.,

1215 Betz Building, PHILADELPHIA, PA.

THE EARLY ADVERTISE-
MENT GETS THERE.

THE CHRYSANTHEMUM MANUAL.

By **Elmer D. Smith**

NEW AND REVISED EDITION.

PRICE 40 CENTS.

Cash with order.

American Florist Co.,
440 S. Dearborn St., CHICAGO.

SPECIALTIES

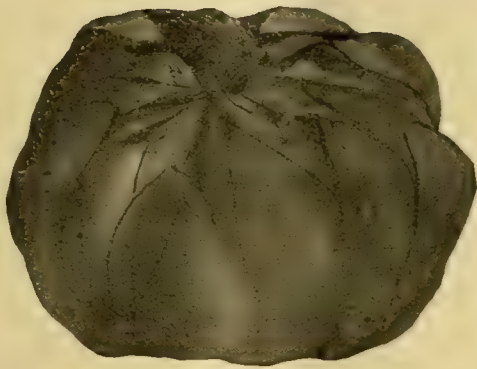
Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing



Lil. Giganteum

Now on Hand

Our Bulbs are From the Best Fields in Japan.

**Fully Ripened
Expert English Grading**

All crescent-shaped, mis-formed and Undersized Bulbs are Left Out.

ORDER NOW for PRESENT and for STORAGE DELIVERY

Vaughan's Seed Store

CHICAGO

NEW YORK

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Oklahoma Seed Growers' Co.

Contract Growers of

Watermelon and Muskmelon Seeds

For the Wholesale Trade only

Enid, Oklahoma

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

**The Early Advertisement
Gets There.**

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines: Pansies, Forget-Me-Nots, Daisies (Bellis Perennis), Asters, Stocks, Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

BERLIN VALLEY PIPS.

High grade quality from
New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, - - NEW YORK

Mention the American Florist when writing

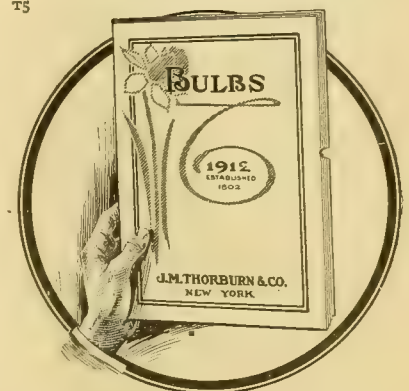
THE CHRYSANTHEMUM MANUAL.

By ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order,
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

T5



HAVE you our Bulb Catalog? If not be sure to ask for "the Florists edition," when writing.

We have one or two cases of Lilium Harisii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7 at \$5.50. For prompt shipment.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

Cannas Dry bulbs, leading varieties, now ready. Send for list.

Double-Flowering Daisy Mme. Saunders, extra fine for cut flowers; all winter rapid grower; very strong plants, out of 3-inch pots, \$10.00 per 100; many of them showing buds now.

Adiantum Cuneatum, fine heavy 4-in. 10c. About 250 clumps of **Asparagus Sprengeri**, grown in vases out of doors all summer, suitable for 8-inch pots; the lot, packed free, for \$20.00.

Ibota Privet, 36-40 inch very heavy, \$12.00 per 100. (Cash with order). Place your orders with us for started Cannas for spring delivery. We make a specialty of them in 3 and 4-inch pots.

The Cedar Hill Gardens & South Sea Cliff Nurseries
P. O. Box 51, Sea Cliff, L. I., N. Y.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, November 11.—Mushrooms, 25 cents to 50 cents per pound; lettuce, 7½ cents to 10 cents, small cases; cucumbers, 50 cents to \$1.75 per case of two dozen; tomatoes, \$1.40 to \$1.75 for 10 pounds.

New York, November 9.—Cucumbers, 75 cents to \$1 per dozen; mushrooms, 75 cents to \$1.40 per 4-pound basket; tomatoes, 6 cents to 12 cents per pound.

Value of Potato Spraying.

The importance of potato spraying is proved anew by experiments conducted during a period of ten years by the New York Agricultural Experiment Station. A popular edition of Bulletin 349, which has been summarized by F. H. Hall, the editor, is entitled "Ten Years of Potato Spraying" and reviews the entire period of experimentation. An average increase of 69 bushels to the acre has been secured by spraying at Geneva, and a good increase also resulted at Riverhead, L. I., where duplicate experiments were made, although the average was not so high here, owing to lighter soil and adverse climatic conditions. In only two years, however, was there a failure to get an increase, while the average for three sprayings was 25 bushels, and 45¾ bushels where sprayings were made every two weeks.

A nine-year series of tests, known as "farmer's business experiments," were also made by the farmers themselves under the direction of the station authorities, and carefully kept records were taken. The average gain in these tests was 36.1 bushels, and the net profit gained was \$14.43 an acre. Volunteer experiments made by farmers showed an even greater increase, although these are not thought to be wholly reliable. However, they clearly corroborate the findings in other cases and go to show that the grower who does not spray his potatoes is behind the times.

The experiment station uses a combination of bordeaux mixture and poison and suggests frequent applications, as it will not hurt the foliage.

Mushroom Notes.

While the manure is being prepared we should get the beds ready. These are similar to greenhouse benches, only deeper. Twelve-inch boards are used for the sides as less will not hold the heat. The beds can be any length but not too wide; if side beds are used 3½ feet is ample; if centre beds they may be 6 feet wide. They should be built so the crop can be picked without treading on the beds. Sides and bottoms should be thoroughly white-washed with a hot lime wash for each crop. This is very important to keep vermin in check. When the material is ready it should be of a dark color and rather mild in odor and with some heat left.

When filling the beds care must be used to shake out the manure well to prevent bunches, the evenner the better; a good worker will constantly tamp as he fills to get a solid pack. If the manure is in proper condition and the work well done heating will resume in a milder form. This heating can be induced by covering the new beds with hay, straw or canvas. At this point we must watch the temperatures closely by inserting thermometers here and there. As long as the heat is rising we cannot spawn, but as soon as a decline takes place we can place the spawn on top of the beds to absorb some moisture and when the inside temperature drops to 90° the spawn can be broken and planted. Break a brick in 6 pieces and plant about 10 inches apart each way, placing the pieces fairly under the surface and tighten them thoroughly. Better wait a week or ten days before casing with loam.

THE MARKETMAN.

OSHKOSH, WIS.—The Oshkosh Horticultural Society held its monthly meeting at the home of N. J. Rasmussen November 4.

BROOKLYN, N. Y.—Four hundred and eighty rare species of plants have been added to the list of the Brooklyn Botanical Gardens. They were collected by E. H. Wilson in the interior of China, where he spent ten years.

BUFFALO, N. Y.—Albert W. Darling and John W. Hennehey individually and as co-partners in the West Side Floral Shop, have filed petition in voluntary bankruptcy. Liabilities of \$1,005 and assets of \$541 are scheduled.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mushroom Spawn



New Crop ENGLISH

Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00
100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

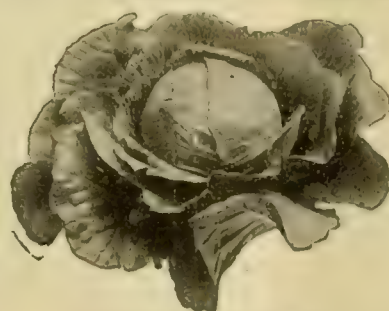
HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ⅓ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Seed Growers for the Wholesale Trade
Cauliflower, Cabbage and Root Seed.



Copenhagen Market Cabbage

Prices and Descriptive List on Application.

Lochner & Co., 11 Warren St., New York.

Sole agents for the U.S. and Canada.

Blooming and Decorative Plants For Thanksgiving Day

You undoubtedly will have need for the stock listed below for both Thanksgiving Day and the Xmas Holidays. Our plant department is being conducted on the same big scale as our cut flower department and we now have 70,000 square feet devoted to pot plants. However, we urge you to send in your order for present or future delivery so that it may be delivered before the cold weather sets in. Our blooming plants are in readiness for quick shipment and just right for the Thanksgiving Day trade. Let us quote you on anything you need. **Order now.**

Primula Obconica.

In bloom, best Grandiflora and Gigantea strains, a great many dark shades, 4-inch, \$2.00 per dozen, 5-inch, \$3.50 per dozen.

Begonia Glory of Cincinnati.

In bloom, extra fine, strong plants, 6-inch pots, 75c to \$1.00, \$1.25 and \$1.50 each.

Cyclamen.

Partly in bloom, extra fine stock, 6-inch pots, 75c each, 7-inch pots, \$1.00 to \$1.50 each.

Christmas and New Cluster Peppers.

Finely fruited.

4-inch, ... \$2.00 per doz.
5-inch, ... \$4.00 to 5.00 per doz.

Dracaena Terminalis.

Fine color.

4-inch, ... 25c each; \$2.50 per doz.
5-inch, ... 50c each; 5.00 per doz.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine **TABLE FERNS**, 12 varieties, 2½ inch, \$25.00 per 1000; \$3.00 per 100; 500 at thousand rate; 3-inch, \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.



Pandanus Veitchi.

Fine colored stock.

5-inch, ... \$1.00 each; \$9.00 per doz.
6-inch, ... 1.50 each; 18.00 per doz.
7-inch, ... \$2.00 to 2.50 each; 24.00 per doz.



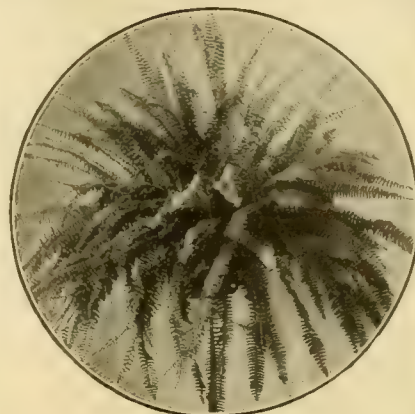
SPECIAL.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.
4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5.00 per dozen. Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 per dozen.



FERNS.

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes:

	Each	Per doz.	Per 100
6-inch, ... \$0.50	\$6.00	\$45.00	
7-inch, ... 0.75	9.00		
8-inch, ... 1.00	12.00		
10-inch, ... 2.50	30.00		
12-inch, ... 3.50			

Cibotium Schiedel.

6-inch, ... \$1.50 each

PALMS.

Areca Lutescens.

7-inch, ... \$1.50 to \$2.00 each

Kentia Belmoreana.

Height	Each	Doz.	Per 100
4-in. 12 to 15-in.	\$4.50	\$35.00	
5-in. 15 to 18-in.	6.00	50.00	
5-in. 18 to 20-in.	.75	9.00	
6-in. 20 to 22-in.	1.00	12.00	
6-in. 22 to 24-in.	1.50	18.00	
7-in. 28 to 30-in.	2.50	30.00	
7-in. 36 to 40-in.	4.50		

Specimens in tubs, ... each, \$8.00 to \$16.00
Prices quoted on any special size upon application.

Kentia Forsteriana.

Height	Each	Doz.	Per 100
4-in. 14 to 16-in.	\$4.50	\$35.00	
5-in. 20 to 24-in.	.75	9.00	
6-in. 24 to 30-in.	1.00	12.00	
6-in. 30 to 36-in.	1.50		
7-in. 36 to 38-in.	2.50		
7-in. 38 to 40-in.	3.50		
In tubs 44 to 50 in.	7.00		
Made up in tubs 28 to 30-in.		\$3.50	
" " " 30 to 32-in.		4.00	
" " " 40 to 42-in.		5.00	
" " " 44 to 46-in.		7.00	
" " " 50 to 60-in.		10.00	

Specimens in tubs, ... each, \$8.00 to \$16.00
Prices quoted on any special size upon application.

Dracaena Massangeana.

Well colored, 6-inch, \$1.25 to \$1.50 each.

Ficus Pandurata.

6-inch, 3 feet high, \$2.50 each. 7-inch, 5 feet high, \$4.50 each.

Extra Fine Rubber Plants.

6-inch, ... 50c to 75c each

Asparagus Plumosus.

4-inch strong, ... \$10.00 per 100

ALL FREIGHT SHIPMENTS TRAVEL AT PURCHASER'S RISK.

Send all Plant Orders Direct to
MORTON GROVE, ILLINOIS

POEHLMANN BROS CO.

Greenhouses and Plant

Shipping Department:

Morton Grove, Ill.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

THE second annual convention of the California Association of Nurserymen was held at Fresno, November 7-9.

THE forty-second annual meeting of the Michigan State Horticultural Society was held in Grand Rapids November 12-14, in conjunction with the Michigan apple show.

Washington.

BUSINESS GOOD.

The election did not affect the flower business, which was good with plenty of good stock to be had at a fair price all week. Chrysanthemums bring from 4 cents to 12 cents, roses 2 cents to 10 cents for fancy stock, carnations 1½ cents to 3 cents, with plenty of orchids, valley and gardenias.

NOTES.

O. A. C. Oehmler reports his business better than he expected and says he will have to put on more help. He had the decoration for the Calvary Sunday school teachers' banquet. He also had a very pretty decoration at the Masonic temple, consisting of palms, foliage, yellow and white chrysanthemums.

Gude Bros. have purchased 85,000 square feet of ground at Bladensburg and Mt. Olivet roads and are erecting a rose house to cover 50,000 feet of the property. The price is said to have been about \$12,000.

Geo. Shaffer had a nice wedding decoration at the Portland, the home of Mrs. Gill. The parlor was decorated with smilax, palms and white chrysanthemums.

Geo. H. Cooke decorated St. Stephen's church, using palms, ferns, foliage and over three hundred large white chrysanthemums.

Gude Bros. Co. will have their annual chrysanthemum show this week. W. H. Gude says it will be the best ever.

Z. D. Blackistone had the decoration for the opening of the New Bellvue Hotel.

I. Hass has accepted a position with the Washington Florists Co.

Bowling scores at last week's games were as follows:

Cooke	150	180	133	McKnew	195	172	148
Shaffer	171	192	193	Currie	177	170	152
Simmonds	112	147	181	Allison	142	190	177
Elker	128	219	173	Fieid	169	165	196
McLennon	181	211	157	Krauss	137	156	173

G. C. D.

DAYTON, O.—The Montgomery County Horticultural Society held its regular monthly meeting November 6.

WOODSTOCK, ILL.—George Moncur has erected a greenhouse 60x120 feet in the rear of his flower store and will raise his own flowers hereafter.

COUNCIL BLUFFS, IA.—G. H. Van Houten, secretary of the Southwestern Iowa Horticultural Society, was here recently making preliminary arrangements for the meeting of fruit growers to be held here in December.

NEW ORLEANS, LA.—The parking commission of this city has asked for an appropriation of \$10,000. Five thousand is wanted for the maintenance of the nursery, \$2,500 for replanting trees in the streets and \$2,500 for pruning and caring for them.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists. RUTHERFORD, N. J.

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utlus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel (Gold Fern), fine plants, 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bouvardias, field grown plants, well established in 5-in. pots, Red, White and Pink, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.



New Scarlet Carnation

"The Herald"

The Great Red Winner



WE claim that The Herald will produce more perfect flowers in a season than any other scarlet now on the market. The Herald is an early free and continuous bloomer, giving 12 to 18-inch stems right from the beginning of the season until the end; all flowers have perfect large calyx, strong stem and extra good keeping qualities. The color is a good even shade of scarlet at all times; never slate colored or faded. On the exhibition table it ranks first among all commercial carnations and as a producer it is so far ahead of all others that we are frank in saying **it does not pay you** to grow any other scarlet except **The Herald**. The one carnation that is good all the time and gives you the greatest profit with the least worry and expense. All stock guaranteed strong, healthy and well rooted. **Ready January 1, 1913; \$12.00 per 100; \$100.00 per 1000.**



CHICAGO CARNATION CO.

30 East Randolph St.,

CHICAGO, ILL.

The Best Chrysanthemums

Are Those Originated by

Elmer D. Smith & Co.

THIS IS THE VERDICT OF THE GROWERS

For 1913

We will offer a fine collection for both exhibition and commercial use.

Complete Descriptions will Appear Later.

We are now booking orders for the best of the recent introductions:

Unaka, the best early pink.

Chrysolora, the wonderful new yellow.

Dick Wittestaetter, the best red for late October.

White Gloria, a good white for October use.

Pink Gem, very closely incurved pink.

Aesthetic, the most beautiful light yellow.

In the exhibition class none better than **Lenox**, **Morristown**, **Tarrytown**, **Poughkeepsie**, **Glen Cove**, **Smith's Sensation**, **Christy Mathewson**, **Artistic Queen** and **Manhattan**.

For particulars apply to

Elmer D. Smith & Co.,

Adrian, Mich.

Florists, Look! Prosperity! Prosperity!

PROSPERITY! Election is now over. The country is settled. Therefore
Prepare for Thanksgiving and the Holidays.

Godfrey Aschmann elected with big majority. At last prosperity has arrived. Stock up your greenhouses now with the best for the holidays. Turn your pennies into dollars.

Araucarias Our Specialty.

6,000 at hand, all sizes.



Araucaria Excelsa, 5 1/4 to 5 1/2 in. pots, 2-3 years old, 3-4 tiers, 14-15 in. high, 40c to 50c; 5 1/2 to 6 in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6 in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6 in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7 in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glauca et Robusta Compacta, April, 1911,

importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.
Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6 in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6 in. pot, 75c to \$1.00.
Kentia Belmoreana, 4 year old, 6 in., 26 to 28 in. high, 75c to \$1.00.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.
Kentia Belmoreana, 4 in., 25c; 5 1/2 in., 50c.
Kentia Forsteriana, 4 1/4 to 5 in. pots, 20 to 24 in. high, 30c to 40c.
Kentia Forsteriana, 5 1/2 to 6 in. pots, 25 to 28 in. high, 50c to 60c.
Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.
Kentia Forsteriana, 6 in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.
Areca Lutescens Palms, made up of 3 plants, 4 in., 20c to 25c; 5 1/4 in., made up of 3 plants, 35c.
Aspidistras, variegated, 6 in. pots, 15c per leaf; green, 6 in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.
Cocos Weddelliana Palms, single, 3 in. pots, 15c, 18c and 20c.
Corpha Australis Palms, 5 in. pots, 20 in. high, 35c.
Asparagus Plumosus and Sprengeri, large 4 in., \$1.00 per 100 (or 10c).
Asparagus Plumosus, 2 1/4 in., \$3.00 per 100; 5 1/2 in., large, 35c to 40c.
Asparagus Sprengeri, 2 1/2 in., \$3.00 per 100.
Poinsettias, 4 in., 20c to 25c; 5 1/4 in., 35c to 40c.
Large 6 in. pans. Azalea pots, filled with Asparagus Plumosus or Wilsoni Ferns or Alba Linca, with a Poinsettia in center, potted six weeks ago, now large and fine, 50c per pan.
Begonia Gloire de Lorraine and Lonsdale, pink, 5 1/2 to 6 in. pots, 50c 75c to \$1.00. **Glory of Cincinnati**, 5, 5 1/2 to 6 in. pots, 50c, 75c, \$1.00, \$1.25 to \$1.50.
Begonia Gloire de Lorraine, 3 in., 12c to 15c.
Our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4 in., 15c to 20c.
Cineraria Hybrida, our well-known superior strain which created a sensation last Easter, 2 in., \$5.00 per 100.

WHEN THE VOTE WAS COUNTED.

When they counted the vote, there could be no mistake.

Godfrey Aschmann was head of the poll; The Bull Moose was nowhere, and Debs was a fake. While Taft was left in a hole.

Not one of the lot knew how to pot
Up a plant in the way it should grow.
The contest was hot. Who said it was not?
No one else else had the ghost of a show.

Aschmann showed us his charms: then back to their farms

His competitors scurried in haste.
His Araucarias, Ferns, Azaleas and Palms
Appealed to all who had taste.

Said the Florists all round, no better are found.
We're for Aschmann down to our last cent:
With volumes of sound, to his houses they're bound.

To stock up with the best their intent:
And they sing as they go: "Our old friend is not slow;

He's on top of the heap, all his rivals below."

Ferns.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh sweet air. Old dark houses bring fungus and make spindly plants.

Neph Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4 in., 20c; 5 1/2 to 6 in. pots, 30c, 35c, 40c and 50c; 7 in., 75c.

Neph. Scottii, 4 in., 20c; 5 in., 35c; 5 1/2 to 6 in., 40c to 50c; 7 in., 75c.

Boston, 7 in., 75c; 5 1/2 to 6 in., 40c to 50c; 5 in., 35c; 4 in., 20c.

Neph. Elegantissima Compacta, 6 in., 50c.

Neph. Scholzei, 6 in., 50c; 4 in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, large 4 in., bushy, 15c; 5 in., 25c.

Japanese Fern Balls, our own importation, now full of leaves; 8-9 in. in diameter, only 35c (cheap at 50c).

We have a big assortment of 2 1/2 in. **Dish Ferns**, now ready, \$4.00 per 100.

6 in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6 in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Ficus Elastica, Belgium or American stock, 5-5 1/2 in., 30c, 35c to 40c; 6 in., 50c; 7 in., 75c.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5 1/2-6 7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4 in., \$4.00 per 100; 5 1/2 in., \$2.50 per doz. **Primula Chinensis**, John F. Rupp strain, assorted, 4 in., \$10.00 per 100; 5 1/4 in., only \$2.50 per doz.

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

AZALEAS.

Our new importation of **Azaleas** are all in and unpacked. Never in our life have we received a better and finer selection of **Azaleas** than this fall. All of them have original foliage and are well budded.

For Christmas Forcing.—If you want to be successful, lose no time and start now. Start the **Azaleas** in low temperature and increase the temperature gradually up to 60 degrees until they show color; then cool off gradually again. We have only the best well-known Christmas varieties, such as *Deutsche Perle*, white; *Simon Mardner*, pink; *Mme. Petrick*, new, pink; *Pharilda Mathilda*, variegated; *Veraneana*, variegated rose; *Apollo*, red. Prices: 50c, 75c, \$1.00, \$1.25 to \$1.50. **For Easter Blooming** and for Easter we have the well-known American varieties, such as *Mme Van der Cruysen*, best pink; *Paul Weber*, *De Schryveriana*, *John Llewellyn*, *Niobe* (white), *Apollo* (red), and a few more good sorts. P. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. We sell our Azaleas for cash only, because there is no profit to be made in Azaleas.

Our **Mme. Petrick Azaleas** are round as an apple, 50c, 75c, \$1.00, \$1.25 to \$1.50; covered with buds; a child can force them; best pink; earliest of all. All other varieties are covered with buds.

No profit is made on Azaleas any more; therefore only cash with order will be accepted.

Daisies, Sanderi, pure white, everlasting bloomer, very valuable for cut flowers, 2 1/2 in., \$5.00 per 100.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2 in. pots, strong, \$4.00 per 100; 3 in., \$6.00 per 100.

Jerusalem Cherries (*Solanum*), 6 in., 25c, 35c, 50c.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

TESTIMONIAL.

When You Buy, It Pays to Buy Good Stock.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912.

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of Araucarias, Ferns of all sizes, varieties and prices, Rubbers, Palms, Azaleas, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

One of the Recent Testimonials.

Saskatchewan Greenhouses,

E. J. Coster, Proprietor.

(P. O. Box 75), Prince Albert, Sask., Canada.

Your shipment of Oct. 23rd arrived in first-class shape, and I beg to say I never bought such good ferns at the price in my life, and I have been buying them for over sixteen years. Now I am coming back to you for more stock if you use me as well as you have done this time.

Yours truly, E. J. COSTER.

Amount of order for ferns, \$33.60.

GODFREY ASCHMANN,

Philadelphia, Pa.

Now is the Time
To Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest
Brightest and Best British Trade
Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND

CARNATIONS

F. Dorner & Sons Co.,
LaFayette, - - Indiana.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

FIELD-GROWN

Carnation Plants

Extra large plants that have been carefully pinched back, having 4 to 8 branches.

VARIETIES:—O. P. Bassett, White Enchantress and Enchantress.

PRICE: \$5.00 per 100. Not less than 100 shipped at this price.

BASSETT & WASHBURN
HINSDALE, ILL.



Boxwoods

This is the season to sell Boxwoods. Give us your order now and get plants that sell on sight.

Square trimmed, 20-in. high, 15 in. diam	Ea. \$ 2.50
Globe shaped, 15-18 in. top, 15-18 in. high.....	" 3.00
Standard, 12-in. crown	" 1.50
Standard, 15-18 in. crown	" 2.50
Standard, 18-21 in. crown	" 3.00
Standard, 21-24 in. crown	" 4.00
Standard, 24-27 in. crown	" 6.00
Standard, 32-34 in. crown, 3-4 ft. stem	" 9.00
Standard, 36-38 in. crown, 18-24 in. stem Ea. \$	9.00
Standard, 40-42 in. crown, 18-24 in. stem "	10.00

Above Prices Include Tubs.

For Window Boxes.

Bushes, 8-in.....	\$0.20	Bushes, 18 in.....	\$0.50
Bushes, 12 in.....	.30	Bushes, 24-in.....	.75

Order Today—Tomorrow May Be Too Late.

The Geo. Wittbold Co.

L. D. Phone, Graceland 1112

737 Buckingham Place,

CHICAGO, ILLINOIS.



Mrs. Geo. Shawyer

Since Oct. 20th, this rose has been awarded some fourteen First Class certificates and a Silver Medal at the New York Horticultural Show.

No other Rose has ever done this in two weeks and **Shawyer** is still going strong. Come and look it over, growing in the house.

Carnations

Commodore, Northport, Salmon Queen and Enchantress Supreme.
All splendid varieties in their respective colors.

Chrysanthemums

Yes! Our usual list of Wells-Pockett Novelties, also a list of Novelty Singles, such as Josephine, Joan Edwards, etc., etc.

CHAS. H. TOTTY, Madison, N. J.

FOR Christmas Plants

Azaleas, Poinsettias, Primroses, Obconica, Cyclamen, Jerusalem Cherries, Celestial Peppers, Begonias Cinnamati, Glorie de Loraine, Luminosa Incarnata and others.

Ask for our Price List.

Large line of

Whitmani, Piersoni, Bostons and Roosevelt, Maiden Hair, Plumosus Sprengeri and small Ferns.

Get our Prices.

Also a line of decorative plants and Christmas Greens, etc.

GEO. A. KUHL

Wholesale Grower

PEKIN, - - - ILL.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston Ferns, 5-in., 25c each. Whitmani Ferns, 4-in., 25c. Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

Mention the American Florist when writing

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Mention the American Florist when writing

GLADIOLUS FOR FORCING

Specially graded for Florist Forcing, for delivery during November and December.

	Per 100	Per 1000
America, pink	\$3 50	\$30 00
Augusta, white	2 25	18 00
Mrs. Francis King, scarlet	2 75	22 50
Taconic, pink	4 50	40 00
Blushing Bride, white, pink blotch	75	6 00
The Bride, white	75	6 00
Peachblossom, pink	1 10	9 00

SPIRAEA Strong Clumps, with plump eyes.

	Per doz.	Per 100
Floribunda	\$1 00	\$ 7 00
Gladstone	1 25	9 00
Queen Alexandra, pink	1 50	11 00

A. HENDERSON & CO.

352 N. Michigan Ave., Phone Randolph 2571, CHICAGO

Mention the American Florist when writing

CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

THE BEST BOOK ON THE SUBJECT.

New and Revised Edition.

CONTENTS.

INTRODUCTION.

CHAPTER I.—HISTORY.

CHAPTER II.—STOCK PLANTS.—Early Propagation.—Cold Frames.—Field-grown.—Imported Stock.—Novelties and Scarce Varieties.

CHAPTER III.—PROPAGATION.—Cutting Bench.—Selection of Cuttings.—Making Cuttings.—Air and Temperature.—Shading.—Watering.—Saucer System.—English Method.—Divisions.—Potting Cuttings.

CHAPTER IV.—SPECIMEN PLANTS.—Soll.—Repotting.—Stopping.—Drainage.—Final Potting.—Watering.—Staking.—Disbudding.—Feeding.

CHAPTER V.—MISCELLANEOUS PLANTS.—Standards.—For Market.—Single.—Stemmed.—Miniature.—For Cut Flowers.—Grafted.—In Open Border.—Hardy Chrysanthemums.

CHAPTER VI.—PACKING PLANTS.—For Express.—For Mail.—For Export.

CHAPTER VII.—EXHIBITION BLOOMS.—Planting.—Firming.—Tying.—Watering.—Spraying.—Airing.—Shading.—Scalding.—Top-dressing.—Removing Stools.—Blind Growth.—Chemical Fertilizers.—Liquid Manure.—Lime.—Iron.—Burning and Damping.—Buds and Disbudding.—English Method.—Records.

CHAPTER VIII.—EXHIBITION BLOOMS.—Grown out-of-doors.—Australian Method.—Shelter or Saug Harbor.

CHAPTER IX.—COMMERCIAL FLOWERS.—Feeding.—Buds.—Early.—Late.—Height of Plants.

CHAPTER X.—INSECTS.—Aphis.—Thrip.—Mealy Bug.—Grasshoppers.—Tarnished Bug.—Corythuca.—Grub Worm.—Cut Worm.—Lady Bug.—Golden Eye.—Chrysanthemum Fly.

CHAPTER XI.—DISEASES.—Rust.—Leaf Spot.—Mildew.

CHAPTER XII.—SEEDLINGS AND SPORTS.—Suitable Plants.—Fertilizing.—Seedlings.—Sports.

CHAPTER XIII.—PREPARING EXHIBITS.—Plants.—Cut Flowers.—Foreign Shipments.—Dressing Flowers.

CHAPTER XIV.—EXHIBITIONS.—The Management.—The Judge.—The Exhibitor.

CHAPTER XV.—TYPES AND SELECTIONS.—Types.—Selections.

WE ARE NOW BOOKING ORDERS. PRICE, 40 CENTS, CASH WITH ORDER.

The American Florist, 440 S. Dearborn St. Chicago.

Robert Craig Co. . .

High
Class **PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

FERN S.

Boston, Whitman and Scholzell from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch Boston and Scholzell grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Dreer's Special Values in Araucarias

Araucaria Excelsa.

4-inch pots, 6 to 8 in. high, 2 to 3 tiers	\$0.30 each
5-inch pots, 14 to 16 in. high, 3 to 4 tiers	.60 each
6-inch pots, 16 to 18 in. high, 4 tiers	.75 each
6 inch pots, 18 to 20 in. high, 4 tiers	1.00 each
7-inch pots, 20 to 24 in. high, 4 to 5 tiers	1.25 each

Araucaria Excelsa Glauca.

5-inch pots, 10 to 12 in. high, 3 tiers	\$0.75 each
6-inch pots, 13 to 15 in. high, 3 tiers	1.00 each
7 inch pots, 16 to 18 in. high, 4 tiers	1.50 each

Araucaria Excelsa Plumosa.

A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5-inch pots, 10 to 12 in. high, 3 tiers	\$0.65 each
6-inch pots, 12 to 14 in. high, 3 tiers	.75 each
7-inch pots, 16 to 18 in. high, 4 tiers	1.00 each

Aspidistra Lurida.

4-inch pots, 6 to 7 leaves	\$0.40 each
5 inch pots, 8 to 10 leaves	.60 each
6 inch pots, 10 to 12 leaves	1.00 each

Aspidistra Lurida Variegata

5-inch pots, 6 to 8 leaves	\$0.75 each
----------------------------------	-------------



Hardy English Ivies.

A splendid lot of bushy 4-inch pots, 2½ to 3 ft. high.....\$1.50 per dozen; \$12.00 per 100.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.

Looking Forward.

Consider the Question of Roses.

MILADY

Will be offered by us in 1913. **A Commercial Red Rose**, and we invite your investigation of this Rose.

Mrs. Chas. Russell and Mrs. Geo. Shawyer are the other new varieties we offer our customers.

Killarney Queen, Double White Killarney (Budlong Strain), **Sunburst**, and the older varieties are covered by our rose list. Commercial varieties for forcing purposes our specialty, backed up by a national reputation for quality of plants.

Commercial Chrysanthemums

The best of the new and the best of the older varieties.

POMPONS AND SINGLES

Close selection has brought our list down to the choicest and best in color and season.

Get our Catalog. Mail us a card and be sure your name is on our list.

A. N. PIERSON, Inc.,

Cromwell, Conn.



Evergreen Plants For Winter Effects.

With the approach of cold weather there will be a great demand for Evergreens and Plant Boxes for winter decoration. We can supply both the trees and boxes shipped separate or already planted. Write for prices of the various styles and sizes; or let us ship a sample pair as follows:

10x10	Mission Boxes with 24 in.	Arbor Vita [®] ,	\$3.75	per pair
12x12	" " " 30-in.	" " "	4.70	" "
14x14	" " " 36-in.	" " "	7.00	" "
10x10	" " " 18-in.	Norway Spruce,	3.75	" "
12x12	" " " 24-in.	" " "	4.70	" "
14x14	" " " 36-in.	" " "	7.00	" "
24-in.	Veranda Box with Asst.	Evergreens & Boxwood	4.25	" "
30-in.	" " " " " " "	" " "	5.00	" "
36-in.	" " " " " " "	" " "	6.50	" "

**Wagner Park Conservatories,
SIDNEY, OHIO.**

—10,000— Primula Malacoides

MUST BE SOLD

Good stock. 2½-in. pots,

**\$2.50 per 100;
\$20.00 per 1000.**

BIG BARGAIN.

Act quick.
Cash with order.

**F. F. SCHEEL,
Schermerville, Ill.**

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora,
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstatter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Mention the American Florist when writing

FLOWER COLORS

Use our Color Chart in describing them.
PRICE, \$1.00, POSTPAID.

**AMERICAN FLORIST CO.
440 South Dearborn Street, CHICAGO**

Vaughan's Specials



For years this trademark has stood for the best in Seeds, Bulbs and Plants.

ARAUCARIAS.

Size	Height.	Whorls.	Each.	Doz.
4 in.	8-10 in.	2-3....	\$0.50	\$ 5.50
5 in.	12-14 in.	3-4....	.75	8.00
5 in.	10-12 in.	2-3....	.75	8.00
5 in.	12 in.	3-4....	1.25	14.00
7 in.	18 in.	4-5....	2.50	

ASPARAGUS.

Each	Doz.	100	1000
Hatcheri, \$0.15	\$1.00	\$7.00	\$65.00
Plumosus Nanus and Sprengeri,			
Doz.	100	1000	
Seedlings.....	\$0.85	\$ 6.00	
2 in. pots.....	\$0.50	3.00	25.00
2½ in. pots.....	.60	4.00	35.00

ASPIDISTRAS.

5 and 6 in. pots.	
Green-leaved.....	10c per leaf
Variegated.....	15c per leaf

Begonia Glory of Cincinnati, 4 in. pots, each, 65c; doz., \$6.50; per 100, \$50.00.
Cyclamen, Vaughan's Giant Flowered, 4-in. pots each, 40c; doz., \$4.00; per 100, \$30.00.
Deutzia Gracilis, home-grown pot plants for forcing, 70-80 flowering branches, 8-in. each, 30c; doz., \$3.00; per 100, \$20.00.
Dracaenas, Bruanti, Lindenii, Massangeana, Striata and Terminalis, in the best sizes for floral work. Ask about them.
PALMS. In Kentias, Belmoreana and Forsteriana, Phoenix Canariensis and Roebeleni, we have some excellent stock. Ask for prices on sizes to suit.

FERNS—Extra Choice Stock.

	Each	Doz.	100
Boston, 2½-in.....	\$0.10	\$ 0.75	\$ 5.00
" 6-in.....	.75	8.00	60.00
" 8-in.....	1.25	14.00	
Cibotium Schiedel, 7 in., each,	\$2.00 and \$2.50		
Maiden Hair (Adiantum Hybridum), 3-in., each, 20c; doz., \$1.75; per 100, \$12.00.			
Small Ferns, assorted varieties, our selection, 2½-in., doz., 50c; per 100, \$3.50; per 1000, \$32.50.			

CHICAGO

31-33 W. Randolph St. Vaughan's Seed Store,

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK

25 Barclay St.



ASPARAGUS PLUMOSUS NANUS.

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best on the market. A trial will convince.

Avalanche, Pure white.
Mme. Emile Mouilliere, White crimped flowers.

Mme. Maurice Hamar, Flesh pink.
Any above, 3-4 flowering shoots, each, 40c; doz., 75c; doz., \$8.00.

Otaksa, 3-4 flowering shoots, each, 40c; doz., \$5.00; per 100, \$40.00. 5-6 flowering shoots, each, 75c; doz., \$8.00; per 100, \$65.00.

Souv. de Mme. Chantard, Early dark pink, 3-4 flowering shoots, each, 85c; doz., \$9.00; per 100, \$70.00.

PANSY Seedlings, to transplant, per 100, 90c; per 1000, \$7.00.

PELARGONIUM Mrs. Loyal, 2½ in., doz., \$1.25; per 100, \$8.00.

PRIMULA Malacoides (The Improved Baby Primrose), 2½-in., doz., \$0.75; per 100, \$4.00. 3-in., doz., 1.00; per 100, 7.00.

Mention the American Florist when writing

THIS LIST IS FOR YOUR CONVENIENCE.

You had better get busy and order before extreme cold weather comes.

PAIAMS.

ARECA LUTESCENS.

Pots	Each	Doz.	Per 100
3-in., 3 plants in a pot		\$2.00	\$15.00
4-in., 3 plants in a pot		3.00	25.00
6-in.		\$1.50	

COCOS WEDDELIANA.

2-in.		\$1.75 per doz.	\$14.00 per 100
-------	--	-----------------	-----------------

KENTIA BELMOREANA.

Leaves	Height	Doz.	Per 100
2-in.	4	8 in.	\$1.50 \$12.00
3-in.	4 to 5	8 to 10 in.	2.00 15.00
4-in.	4	12 in.	3.60 30.00
4-in. strong	4 to 5	12 to 15 in.	4.50 35.00
5-in.	5 to 6	15 to 18 in.	6.00 50.00

5-in. strong	5 to 6	18 to 20 in.	Each	Doz.
6-in.	6 to 7	20 to 22 in.	\$0.75	\$ 9.00
6-in. strong	6 to 7	22 to 24 in.	1.00	12.00
7-in.	6 to 7	26 to 28 in.	1.50	18.00
7-in. extra	6 to 7	28 to 30 in.	2.00	24.00
8-in.	7 to 8	40 to 45 in.	2.50	30.00
9-in.	7 to 8	48 to 50 in.	5.50	
9-in.	7 to 8	50 to 54 in.	8.00	

Made-up.

7-in., 3 in a pot	28-30 in. high	\$2.50 each
-------------------	----------------	-------------

KENTIA FORSTERIANA.

Leaves	Height	Doz.	Per 100
2-in.	4	8 to 10 in.	\$1.50 \$12.00
3-in.	4 to 5	12 to 14 in.	2.00 15.00
4-in.	4 to 5	14 to 16 in.	4.50 35.00
5-in.	5 to 6	16 to 18 in.	6.00 50.00

5-in. strong	5 to 6	20 to 24 in.	Each	Doz.
7-in.	5 to 6	36 to 38 in.	\$0.75	\$ 9.00
7-in. strong	5 to 6	36 to 40 in.	2.50	
8-in.	5 to 6	40 to 44 in.	3.00	
8-in. strong	5 to 6	46 to 50 in.	5.00	
9-in.	6 to 7	60 in.	7.00	
6 ft.	6 in.		8.00	
7 ft. 6 in.			9.00	
			12.00	

Made-up.

6-in., 3 in a pot	18-22 in. high	\$1.00	\$ 1.50
7-in., 3 to 4 in a pot	24 to 30 in. high	2.50	
9-in., 3 to 5 in a pot	50 to 54 in. high	8.00	
10-in., 4 to 5 in a pot	58 to 60 in. high	10.00	
12-in., 4 to 5 in a pot	62 to 70 in. high	15.00	
6 ft 6 in., 4 in a tub		18.00	
7 ft 6 in., 4 in a tub		25.00	

LATANIA BORBONICA.

4 inch.		\$3.00 per doz.	\$20.00 per 100
5-inch.		\$5.00 per doz.	
6-inch.		9.00 per doz.	

Pots	PHOENIX CANARIENSIS.	Each
7-in., 40 to 44 in. high		\$ 2.50
8-in., 46 to 50 in. high		4.00
9-in., 50 to 54 in. high		8.00
10-in., 60 to 64 in. high		10.00



KENTIAS—Made-up or single.

PHOENIX RECLINATA.

Each	Doz.	Per 100
5-in.	\$5.00	\$40.00
6-in.	\$0.75	9.00
7-in., 24 in. high, 3 in a pot.	1.50	

PHOENIX ROEBELENI.

Each	Doz.	Per 100
2½-in.	\$ 2.00	\$15.00
3-in.	3.00	
6-in.	12.00	
6-in. strong.	18.00	
7-in.	\$4.00	
8-in.	5.00	

BOSTON FERNS.

Pots	Each	Doz.	Per 100
2 in.			\$3.00
4 in.		\$ 1.50	
5 in.	\$0.25	3.00	
6 in.	.50	6.00	
7 in.	.75	9.00	
8 in.	1.00	12.00	
9 in.	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

Ferns.

Assorted varieties for dishes	Per 100
	\$3.00

MISCELLANEOUS.

ARAUCARIA EXCELSA.

Each	Doz.
4-in., 2 to 3 tiers	\$0.50 \$ 6.00
6-in., 2 to 3 tiers	.75 9.00
6-in., 4 to 5 tiers	1.00 12.00
7-in., 4 to 5 tiers	1.50 18.00

ASPARAGUS PLUMOSUS.

2 inch.	\$3.00 per 100
3 inch.	6.00 per 100
4 inch.	\$1.50 per doz.

ASPARAGUS S' RENGELI.

3 in.	\$5.00 per 100
-------	----------------

ASPIDISTRAS.

Green, \$0.08 per leaf; Variegated, \$.15 per leaf

CHRYSANthemum, POMPONS.

Assorted 6-in. \$0.25 each

CYCAS REVOLUTA, (Sago Palms.)

Fine plants, 1c, 25c, 35c, 50c, 75c, \$1.00, \$1.50 and \$2.00 each.

CYCLAMEN GIGANTEUM.

5-in.	\$0.25 each; \$3.00 per doz.
6-in.	.35 each; 4.20 per doz.

FICUS ELASTICA.

Each	Doz.
4-in.	\$0.35 \$4.20
6-in.	.50 6.00
7-in., branching	\$0.75 and 1.00

PANDANUS VEITCHII.

Each	Doz.	Each	Doz.
4-in.	\$0.50 \$5.50	6-in.	\$1.00 \$12.00
5-in.	.75 9.00		

PRIMULA SINENSIS.

Each	Doz.
4-in.	\$1.50
5-in.	2.00

The Geo. Wittbold Co., 737 Buckingham Place, Chicago
Phone: Graceland 1112.

BALTIMORE NURSERIES

California Privet

Any quantity, size and age. No better grown. Shade and ornamental Trees, Shrubs and Vines. Full line of Fruit Trees and Plants.

GET OUR PRICES AND CATALOG.

Franklin Davis Nursery Co.
BALTIMORE, MD.

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Field Grown

MAMAN COCHET ROSES

5,000 Strong Plants of Pink and White Cochet at \$75.00 per 1000. Just what every southern florist should plant for cut buds for summer funeral work.

A. C. CANFIELD,
Springfield, Ill

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 43th St
BROOKLYN N. Y



Fall Bulbs

Just a Few More Left.

The Bulbs we offer below are all of our Regular Importations 'not auction lots', in first class condition, and should give best possible results.

Narcissus (Single)	Per 1000
Incomparable	\$ 7.00
Sir Watkins	12.00
Incomparable Autocrat	10.00
Golden Spur	14.00

Narcissus (Double)	Per 1000
Alba Plena Odorata	\$ 5.50
Von Sion, First Size	10.00
Von Sion, XXX, Double Nose	20.00

Gladiolus.	Per 1000
Blushing Bride	\$4.50

Lilium Multiflorum	Per 1000
6-8-inch (400 bulbs to case)	\$30.00
7-9-inch (300 bulbs to case)	50.00

Freesias	Per 1000
Purity (extra size)	\$15.00
" Mammoth	20.00

Darwin Tulips	Per 1000
Europe	13.50
Sultan	9.00
Mixed	10.00

Vaughan's Seed Store,

Get Our "Book for Florists."

CHICAGO.

NEW YORK.

The Early Advertisement
Gets There

Index to Advertisers.

Advance Co The. IV
 Albany Cut Flower Ex. 991
 Alpha Floral Co. 993
 American Spaw Co. 1002
 American Wooden Ware Mfg Co.
 ...Third special cover
 Aming E C Co. 987
 Anderson S A. 993
 Andorra Nurseries. 1004
 Angermueller G H. 984
 Aphine Mfg Co. 1019
 Aschmann Godfrey. 1006
 Atlanta Floral Co. 994
 Auburndale Gold Fish Co. 984
 Austin H. 986
 Bader Jno & Co. 999
 Badgley Reidel & Meyer, Inc. 991
 Barrows H H & Son. 1000
 Bassett & Washburn.
 ...975 1000 1006
 Bayersdorfer H. 1018
 Beaven E A. 996
 Benard G. 1004
 Berger Bros. 988
 Berning H G. 988
 Bertermann Bros Co. 994
 Black Chas. 1000
 Bobbink & Atkins. 1004
 Boddington A T. 1000
 Bodger J & Sons Co. 1001
 Boland J B Co. 993
 Bolgiano J & Sons. II
 Bowe M A. 995
 Braslan Seed Grow Co. 998
 Breitmeyer's J Sons. 994
 Brown Alfred J Seed Co. 998
 Brown Bag Filling Machine Co. 999
 Bruns H N. 999
 Buchbinder Bros. 1020
 Buckbee H W. 996
 Budlong J A. 985
 Burnett Bros. II
 Burpee W A & Co. 1000
 Byer Bros. 997
 Caldwell the Woodsman Co. 986
 California Seed Grow Assn. 998
 Camp Conduit Co.
 ...Third special cover
 Canfield A C. 1011
 Cedar Hill Gardens. 1001
 Chattahoochee Flo Co. 996
 Chicago Carn Co. I 1005
 Chicago Flower Growers Assn. 976
 Chicago House. 1020
 Wrecking Co.
 Clark E B Seed Co. II
 Clark's Sons David. 995
 Cleveland Cut Flower Co. 995
 Conard & Jones. 1008
 Cooke Geo H. 993
 Cotsonas Geo & Co. 986
 Cowee W J. IV
 Coy H C Seed Co. 1000
 Craig Robt Co. 1008
 Critchell C E. 989
 Cross Eli. 1010
 Crump Frank F. 994
 Cunningham Jos H. 997
 Daniels & Fisher. 995
 Dards Chas. 994
 Day. 986
 Deamud J B Co. 972
 Detroit Flower Pot Mfg. Third special cover
 Dietsch A & Co.
 ...Fourth special cover
 Diller Caskey & Keen. 1020
 Dillon J L. 1008
 Dingee & Conard Co. 1008
 Domoto Bros. 978
 Dorner F & Sons. 1006
 Dreer H A.
 ...Third special cover
 1009 1016
 Duerr Chas A. 996
 Dunlop John H. 995
 Dwelle - Kaiser Co The. 1017
 Eagle Machine Wks III
 Edwards Folding Box. 1012
 Emmans Geo M. 1008

McCoy L W. 986
 McCullough's J M Sons Co. 989
 McHutchinson & Co. 1001
 McKellar Chas W. 987
 McKenna P & Son. 995
 Mancel. 993
 Matthews Florist. 995
 May & Co L L. 993
 Meconi Paul. 991
 Mette Henry. 1002
 Meyer John C & Co. 992
 Michigan Cut Flower Exchange. 986
 Miller E S. 999
 Moninger J C Co.
 ...Fourth special cover
 Montreal Floral Ex. 989
 Moore, Hentz & Nash. 991
 Morehead Mfg Co. IV
 Mt Gilead Pottery Co. Third special cover
 Munk Floral Co. 988
 Murray Samuel. 994
 Myers Florist. 996
 Nat Flo B of Trade. 1017
 N Y Cut Flower Ex. 991
 Niessen Leo Co. 989
 Northern Michigan Evergreen Nurs. 986
 Oechslein Frank. 1000
 Oklahoma Seed Gro Co. 1001
 Palethorpe P R Co.
 ...Third special cover
 Palmer W J & Son. 994
 Park Floral Co. 994
 Peacock Dahlia Fms 997
 Pedrick Geo & Son. 999
 Pennock-Meehan Co 991
 Penn the Florist. 994
 Peters & Reed Poty.
 ...Third special cover
 Peterson & Sons J A I
 Pierce F O Co. IV
 Pierson A N (Inc.). 1009
 Pierson F R Co. I 999
 Pierson U Bar Co. 1020
 Pieters & Wheeler Seed Co. 998
 Pillsbury I L. 1012
 Pinkston Jas E. 986
 Pittsburg Cut Flo Co. 988
 Podesta & Baldocchi 995
 Poehlmann Bros Co.
 ...977 1003
 Pollworth CCCo. 988 995
 Pulverized Manure Co. 1019

Purnell W Z. 986
 Quaker City Machine Works. 1012
 Raedlein Basket Co 970
 Randall A L Co. 987
 Rawlings Elmer. 997
 Ready Reference. 1013
 Randolph & Mc Clements. 1020
 Reed & Keller. 1019
 Regan Ptg House. 1018
 Reid Edw. 988
 Reinberg Geo. 987
 Reinberg Peter. 991
 Reuter Chris. 988
 Rice Bros. 986
 Rice & Co. M. 986
 Robinson J C Seed Co 1001
 Rock W L Co. 994
 Rohrborn Seed Co. 1001
 Routhahn Seed Co. 1000
 Ruch G & Co. 988
 Saakes O C. 995
 Saltford Flower Shop 984
 Scheel F F. 997 1010
 Schilder Bros. 991
 Schiller, the Florist. 996
 Schillo Adam. IV
 Schlatter W & Son. 1012
 Schling Max. 996
 Schmidt J C. 997
 Schult Jacob. 994
 Scott John. 1011
 Seattle Cut Flo Ex. 989
 Shaffer Geo C. 995
 Sharp Partridge & Co 1019
 Sheridan W F. 991
 Silliman A B. 986
 Situation & Wants. 969
 Skidelsky S S & Co. 1000
 Smith A W & Co. 995
 Smith E D & Co. 1005 1019
 Smith & Hemenway III
 Smith Henry. 995
 Smith Wm C. 984 988
 Smith W & T Co. I
 Stearns Lumber Co. 1016
 Stoothoff H A Co. 1019
 Storrs & Harrison. 1004
 Sunlight Double Glass Sash Co. 1018
 Superior Machine & Boiler Works. 1017
 Syracuse Pottery Co.
 ...Third special cover
 Taylor Steam Trap Co. IV
 Texas Seed & Flower Co. 993
 Thompson Car Co. 1006

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
 MANUFACTURERS
 PHILADELPHIA, PA.



422 Main St., Springfield, Mass.

Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prom. shipment guaranteed

IGOE BROS.

266 N. 9th St.
 BROOKLYN, N. Y.



Split Carnations

Quickly, Easily and Cheaply Mended. No Tools Required.

Pillsbury Carnation Staple

Patented 1898. 2000 for \$1.00 postpaid.

I. L. PILLSBURY,
 Galesburg, Ill.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog.
 Quaker City Machine Works
 Richmond, Ind.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. **PRICE, \$1.50.**

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. **PRICE, \$1.50.**

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of

WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO
 Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 2 to 3 tiers, 75c each; \$9 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ARDISIAS.

Ardisias. A few hundred well berried in 4 and 5-inch pots, 50c each. H. Steinmetz, Raleigh, N. C.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$3 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus, 2½-in., 2c; 3-in., 3c. Sprengeri, 2½-in., 1½c; 3-in., 2½c. Samuel Whitton, Utica, N. Y.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices, see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 2½-in., 12c; 4-in., 30c; 5-in., 40c to 50c; 6-in., 75c to \$1 each. Glory of Cincinnati, 3-in., 25c; 4-in., 35c; 5-in., 60c to 75c; 6-in., \$1 to \$1.25 each; fine clean plants in bud. ROBER & RADKE, Maywood, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, in bloom, 6-in., 75c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Gloire Lorraine, 5-in., \$35 per 100. Erie Floral Co., Erie, Pa.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, gladiolus and spirea. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, callas, freesias, narcissus, hyacinths, oxalis, iris. For varieties and prices see advertisement elsewhere in this issue. James Vick's Sons, Rochester, N. Y.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Liliun longidorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Gladioli Specialty Association, Old Point Comfort, Va.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

Cannas, undivided field clumps, Cinnabar, cinnamon red; Sec. Chabanne, Salmon red; Robusta, bronze foliage; \$6 per 100. F. Vaughan, spotted yellow; Paul Marquant, \$8 per 100. Mixed reds, Salmon, etc., \$5 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES Co., West Grove, Pa.

Cannas, dry bulbs, leading varieties. The Cedar Hill Gardens and South Sea Cliff Nurseries, Sea Cliff, L. I., N. Y.

Cannas. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

CARNATIONS.

FIELD-GROWN CARNATION PLANTS.
Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,
162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.
Clean, well grown and healthy.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,
Shermerville, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$7 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnations, field-grown, strong, bushy, fibrous roots. R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Commodore, Northport, Salmon Queen, Enchantress Supreme, Chas. H. Totty, Madison, N. J.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.
Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CHRYSANTHEMUMS.

Chrysanthemums, Unaka, Chrysolora, Dick Wittertaetter, White Gloria, Pink Gem, Aesthetic. Exhibition class: Lenox, Morrishorn, Tarrytown, Poughkeepsie, Glen Cove, Smith's Sensation, Christy Mathewson, Artistic Queen, Manhattan, Elmer D. Smith & Co., Adrian, Mich.

Chrysanthemums, stock plants: Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Chrysanthemum stock plants, Pink and White Ivory, A. Byron, Bonaffon, Pacific Supreme, Appleton, Golden Glow, Mayor Weaver, Patty, Nagoya, 50c per doz.; \$1 per 100. Erie Floral Co., Erie, Pa.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Wells-Pockett novelties, also list of novelty singles, such as Josephine, Jean Edwards, etc., etc. Chas. H. Totty, Madison, N. J.

Chrysanthemums, best of the new and older varieties: pompons and singles. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, assorted, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Stock plants in all desirable varieties cheap. Write C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Eli Cross, Grand Rapids, Mich.

CINERARIAS.

Cinerarias, the largest flowering, 2-in., \$2 per 100; 3-in., \$3.50 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

Cyclamen Giganteum, best English and German strains, 3-in., 8c to 10c; 4-in., 12c to 15c; 4½-in., 20c to 25c; 5-in., 25c to 35c; 6-in., 60c to 75c; 7-in., extra large, \$1 to \$1.25 each; Strong plants in buds, August seedlings, \$3 per 100; \$25 per 1,000, in 12 varieties equally divided. Rober & Radke, Maywood, Ill.

Cyclamen, 5 and 6-in., strong, well budded plants. To quick buyer, \$25 per 100. Cash with order. The Berryhill Nursery Co., Harrisburg, Pa.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen, 6-in., 75c each; 7-in., \$1 to \$1.50 each. Pochmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

DAHLIAS, undivided field clumps, Eclipse, red; J. H. Roach, yellow; Earl of Pembroke, purple; Mary D. Halleck, yellow; \$4 per 100; Grand Duke Alexis, white; A. D. Livoni, pink; \$6 per 100. Black Beauty, maroon and mixed, all colors, \$3 per 100. WAGNER PARK CONSERVATORIES, Sidney, O.

DAISIES.

Daisies, Sunderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy, Mmc. Saunders, 3-in., \$10 per 100. The Cedar Hill Gardens and South Sea Cliff Nurseries, Sea Cliff, L. I., N. Y.

Daisy Mrs. F. Sunder, 2-in., \$1.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Ryer Bros., Chambersburg, Pa.

DRACAENAS.

Dracaena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Remison Co., Sioux City, Iowa.

Dracaenas, Brunthl, Lindenl, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Pochmann Bros. Co., Morton Grove, Ill.

Dracaena massangeana, 6-in., \$1.25 to \$1.50 each. Pochmann Bros. Co., Morton Grove, Ill.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmanus, Newton, N. J.

DEUTZIA.

Deutzia gracilis, home grown pot plants for forcing, 70 to 80 flowering branches, 8-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; \$5 per 100; 6-in., 75c each; \$8 per doz.; \$60 per 100; 8-in., \$1.25 each; \$14 per doz. Cibotium Schiedel, 7-in., \$2 and \$2.50 each. Maiden Hair, 3-in., 20c each; \$1.75 per doz.; \$12 per 100. Small ferns, assorted, our selection, 2½-in., 50c per doz.; \$3.50 per 10; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Whitman, Scholzei: from bench 10c and 15c; 5 and 6-in. Boston and Scholzei, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Cibotium Schiedel, 6-in., 10 to 12-in. fronds, 2 ft. spread, \$1.50 each. Adiantum Cuneatum, 4-in., \$10 per 100. Storrs & Harrison Co., Painesville, O.

BOSTON FERN RUNNERS, good size, must sell to make room, \$1.50 per 100. EDW. DOEGE COMPANY, 4344 No. Springfield Ave., Chicago, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate, Frank Oechslin, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Pochmann Bros. Co., Morton Grove, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Adiantum Croweum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitmanl, 4-in., 25c. Geo. M. Emmanus, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

Ferns, Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 4-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., branching, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., 3 ft. high, \$3.50 each; 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Pochmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c, 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, 2-inch, Roseleur, Nutt, Dagata, Ricard, Red Jugl, Vland, La Favorite, Col. Thomas, Mmc. Jaulin, Mmc. Bisquit, Perkins, Oberle, Leandre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poltevine, Double Dryden, Atlantis, Lulzi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Freres, D. E., Chicago.

MME. SALLEROL.

Select, well rooted cuttings, \$1 per 100; \$9 per 1,000. Ready Nov. 20th. EDW. DOEGE COMPANY, 4344 N. Springfield Ave., Chicago, Ill.

Geraniums, S. A. Nutt, R. C., \$1.50 per 100; \$12 per 1,000. E. C. Wagener, R. D. No. 1, Beaver Falls, Pa.

Geraniums, rooted cuttings, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mmc. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, holly, \$3 per case. Green shoot moss, \$1.25 per bbl. Laurel branches, \$2.50 per case. Laurel stems, \$1 per bag. W. Z. Purnell, Snow Hill, Md.

Greens, Bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Greens, buckeberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Dessert holly, crates 2x2x2½ ft., f. o. b., Armargosa, \$5. Sample, 70c, and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-inch holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet greens, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Benyan, Evergreen, Ala.

Greens of all kinds. N. Leakes & Co., Inc., 53 W. 28th St., New York.

Holly, T. E. Enhank, Brown's Store, Va.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas, imported pot-grown stock, 6 to 7-in. pots, Avalanche, Mmc. Emile Moulhiere, Mmc. Maurice Hamar, 3-4 flowering shoots, 75c each; \$8 per doz. Otaksa, 3-4 shoots, 40c each; \$5 per doz.; \$40 per 100; 5-6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mmc. Chantard, 3-4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pot. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, pot-grown, 5½, 6, and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Remison Co., Sioux City, Iowa.

Jerusalem Cherries, extra strong, 2-in., \$2; 3-in., \$4 per 100. Rober & Radke, Maywood, Ill.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.**To Import**

Lily of the valley, largest grower and exporter, E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley tips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Valley for Christmas, Brun's Celebrated Chicago Market are the finest cold storage valley, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.80 per 100; \$16 per 1,000. New stock now ready. Best valley for early forcing, \$16 per 1,000. H. N. Brim's, 3032-42 W. Madison St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

California privet, all sizes, shade and ornamental trees, shrubs, vines, fruit trees and plants. Franklin Davis Nursery Co., Baltimore, Md.

Evergreen plants. For varieties and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, \$1.50, \$3, \$4 and \$5 each. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms in all sizes, from 4-in. to 12-in. tubs. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansy seedlings to transplant, 90c per 100; \$7 per 1,000. Vaughan's Seed Store, Chicago and New York.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, 2½-in., \$1.25 per doz.; \$3 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies for September planting, strong 3 to 5 eyes: Festiva Maxima, \$15 per 100; Duchesse de Nemours (White), \$10 per 100; Delicatissima, \$15 per 100; Richardson Rubra Superba, \$15 per 100; Souv. Van Houttel, \$10 per 100; Lady Brownell, \$10 per 100. F. F. Scheel, Shermerville, Ill.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Christmas and New Cluster, 4-in., \$2 per doz.; 5-in., \$3 to \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, double, 10 kinds, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 8c; 4-in., 12c to 15c; 5-in., made-up pans, 35c to 50c; 6-in., made-up, 75c. Robt. & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Miller's Giant Obconica Primulas, 3-in., \$4 per 100. Chinese, 3-in., \$4 per 100. Malacoides, the big baby primula, 3-in., \$4 per 100. Cash please. J. W. Miller, Shiremanstown, Pa.

Primroses, Chinese and Obconica, 2½-in., 1½c; 3-in., 2½c; 4-in., 6c. Samuel Whitton, Utica, N. Y.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinese, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Sinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula obconica, in bloom, 4-in., \$2 per doz.; 5-in., \$3.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primula malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, Obconica alba, rosea, Kermesina, gigantea, 2½-in. pots, \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, Ohio.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Schermerville, Ill.

Primula Obconica, new giants, extra strong, ready for 4-in. pots, \$4 per 100. Cash. John F. Rupp, Shiremanstown, Pa.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Robt. & Radke, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Roses, Milady, Mrs. Chas. Russell, Mrs. Geo. Sawyer, Killarney Queen, Double White Killarney, Sunburst, etc. A. N. Pierson, Inc., Cromwell, Conn.

Erna Teschendorf, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, Mrs. Geo. Sawyer, Chas. H. Totty, Madison, N. J.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, pink and white Cochet, \$75 per 1,000. A. C. Canfield, Springfield, Ill.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, cauliflower, cabbage and root seeds.

Hjalmar Hartmann & Co., Copenhagen, Denmark.

Loechner & Co., 11 Warren St., New York, sole agent for U. S. and Canada.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuces, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

SOW NOW if you want them for early spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.	\$2.50	\$0.50
Begonia Gracillius luminosa, finest red	2.50	.50
Begonia Triumph, finest white.	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25. 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, Silver Pink Snapdragon, \$1 per pkt., 3 pkts., \$2.50. G. S. Ramsburg, Somersworth, N. H.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGON.

Snapdragons, giant white, red, yellow and pink, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Rhubarb, Victoria and Linnæus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca variegated, rooted tips, \$1 per 100; \$9 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn. Ave., near Highland, East End, Pittsburgh, Pa.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Dennison distinctive tags for the holiday season. Dennison Mfg. Co., Boston, New York, Philadelphia, Chicago, St. Louis.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

Tree tubs and brass hoop jardineres. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Nicotinide Bug Killer. P. R. Palethorpe Co., Clarksville, Tenn.

Florists' supplies and wire designs. Joseph Ziska, 151-153 N. Wabash Ave., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. K  ller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kobr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS

Albany Cut Flower Exchange, Albany, N. Y.

Amiling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Reidel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Domoto Bros., San Francisco, Calif.

Froment, H. E., New York.

Guttmann, Alexander J., Inc., New York.

Hoerber Bros., Chicago.

Dreer's Peerless Glazing Points

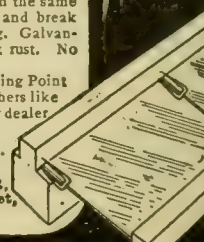
For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DEER, 714 Chestnut Street, Philadelphia.

FULL
SIZE
No 2

**CYPRESS**

IS FAR MORE DURABLE THAN PINE.

CYPRESS SASH BARS

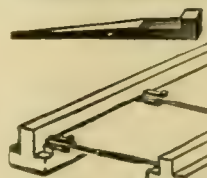
UP TO 32 FEET OR LONGER.

GREENHOUSE

AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.

THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

**Siebert's Zinc Glazing Points.**

Good for small or large glass, do not rust, easy to drive 3/4 and 1/2 inch. Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

Vaughan's Seed Store, Chicago. New York.

Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruchten, John, Chicago.
Kuchn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Leakes & Co., New York.
McCallum Co., Pittsburgh, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meoni, Paul, New York.
Montreal Floral Exchange, Ltd., Montreal, P. Q.
Moore, Hentz & Nash, New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



This is Malcolm Franklin's 72-Footer at Yardley, Pa.

Big Houses For Big Business.

YOU ask: how big shall big houses be?

Our answer is: we believe that 72 feet is about right. We used to say 40 feet wide—then 55; but now we find that 72 feet works out to best advantage for growing space, economy in materials and cost of erection.

Just around Philadelphia alone, we have three 72-footers.

1. The first to build one was John Stephenson & Sons.

2. Then came Joseph Heacock & Co., at Roelofs, Pa.

3. And close to follow was Malcolm Franklin, with one at Yardley, Pa.

However, before you form definite conclusions, one way or the other, we would like to sit down with you and thrash the question right out from A to Z.

Such a talk is bound to be of help to you, especially as you in no way obligate yourself to buy of us.

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Building

Philadelphia
Franklin Bank Building

Boston
Tremont Building

Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

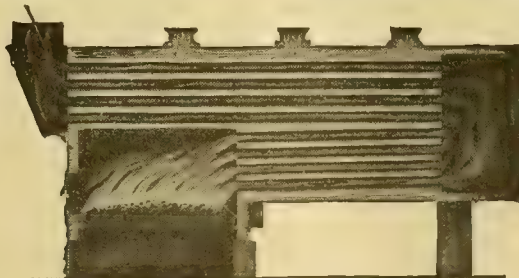
56 PINE STREET : : NEW YORK

Always

mention The American Florist
when you order stock. : :

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works

846-848 W. Superior St.,

CHICAGO, ILL

The Early Advertisement Gets There

Landscape Gardening

PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

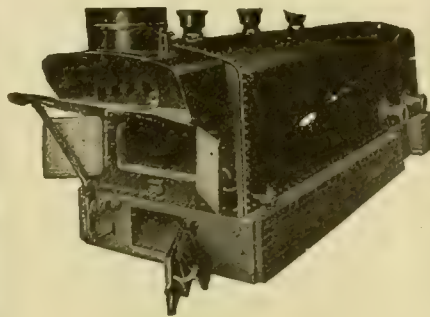
Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning

Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing



Christmas Present

GET ONE FOR YOUR BOILER.

Piping Gets Hotter.

We have one of your special greenhouse Generators, and it does the work in a very satisfactory manner. We have noticed that the returns are much hotter than they were with the old gravity system. We intend to install Generators on all our heating systems the coming season.

J. D. Cockcroft, Northport, L. I., N. Y.

Generator a Money Saver.

Gentlemen:—Boiler perfectly satisfactory and heats up very quickly. We consider the Generator a money saver. Piping was done according to your plans, and satisfactory in every way.

Swayne & Powell, Kennett Square, Pa.

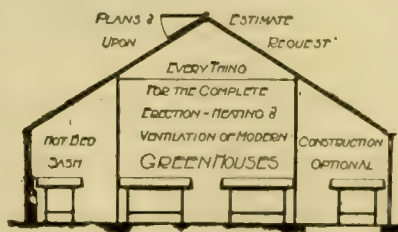


THE KROESCHELL GENERATOR
IT SPEEDS UP CIRCULATION

Kroeschell Bros. Co.

452 West Erie Street
CHICAGO, ILLINOIS.

Mention the American Florist when writing



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.

Mention the American Florist when writing

MORE KROESCHELL BOILERS

Used for Greenhouse Heating
than Any Other Make.

Simplicity of construction. Plate material. Not Cast Iron. Long fire travel, thin water ways. The best and most heating surface in the world for the money.

Send for Catalogue.

Can ship any size at once. Telegraph order at our expense.



Double-Glass Double Profits

The old single layer hot-bed sash are better than none, but they must be covered; and boards, mats or shutters are pure waste.

The new Sunlight Double Glass Sash, with two layers of glass enclosing an air space, are

Complete in Themselves

They eliminate covers and half the labor; they admit all the light to store warmth in the bed and then save the warmth at night. They make plants strong and early. They double net profits. Every practical gardener or florist will see the value of this.

It is good business for you to get our free catalog.

Write your address plainly and send it today. The hot-bed season is not far off. Prof. Massey's booklet on Hot-beds sent for 4c.



Sunlight Double Glass Sash Co.
934 East Broadway, Louisville, Ky.



The double layer of glass does it.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes, Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

Tobacco Paper

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

"Nico-Fume" LIQUID

OVER 40% NICOTINE

By far the
CHEAPEST
JUST NOTE PRICES

Furnishes the
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

Pint	\$ 1.50
1/2 Gallon.....	5.50
Gallon	10.50
5 Gallons	47.25

PULVERIZED OR SHREDDED

CATTLE MANURE

Pure, Dry, Safe and Reliable.

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

SHEEP MANURE

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring—and field work. Ask for our Growers' Booklet and know why Wizard Brand leads

THE PULVERIZED MANURE CO., 32 Union Stock Yards, Chicago

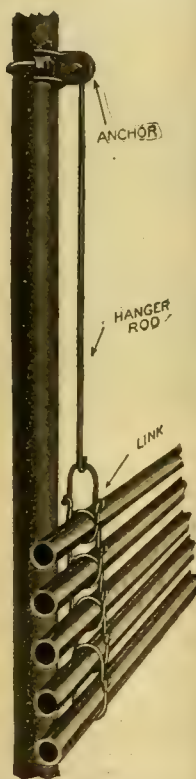
An Improved Pipe Hanger.

Allows for expansion of individual pipe as well as the whole coil.

Write
for Prices.

King Construction Company,
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway.
BOSTON: 410 Winthrop Building.



FERTILENE, The Ideal Plant Food.

Especially prepared for the production of **LUSTY CHRYSANTHEMUM BLOOMS.**
Ten pounds, \$3.00; Twenty-Five pounds, \$6.00; Fifty pounds, \$10.00.
Sample packets of one-half pound, 30c.
Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

Mention the American Florist when writing

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenfords, Scotland.



Green Flies and Black ones too

are easy to kill with

The fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

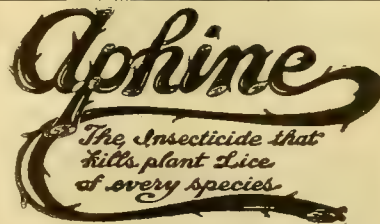
Mention the American Florist when writing

GLASS.

REMEMBER we always have the right
kind and the right prices. Don't fail to
write us when you want any.

Sharp, Partridge & Co.,
Phone Canal 880

22nd and Lumber St. CHICAGO



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and
bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.
Manufacturers of Agricultural Chemicals.

Madison, N. J.
M. C. Ebel, General Manager.



LADISLAV HRUDKA POTTERY



Manufacturers of

EXCEPTIONALLY FINE WHITE POTS



WRITE FOR PRICES

2619 Herndon St., Chicago



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price, ... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete
Greenhouse Heating Systems. Send for
our Special Heating Catalog No 47. Estimates
furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Preserve Cut Flowers in

BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.
518 Milwaukee Ave., CHICAGO, ILL.

Mention the American Florist when writing



SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, 5/8 and
3/4. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50;
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing



Owning Your Greenhouse What It Means



This is the U-Bar,
the bar that makes
U-Bar Greenhouses
the Famous Green-
houses They Are.

You can talk about the things cold frames will do for
you "until the cows come home," but if you want real
flowers, real bedding plants that you can count on being
top notch year in and year out—then a greenhouse is the only
thing. The only thing because it is the **sure thing.** With
a greenhouse your frames become doubly valuable, as then
one helps the other greatly to the advantage of both. With
a greenhouse you control temperatures and conditions and
can have what you want when you want it. But don't allow
anyone to persuade you that any other curved eave house
is just as good as the U-Bar. It is not so. We want to show
you exactly why. Send for the catalog as a starter.

U-BAR GREENHOUSES PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

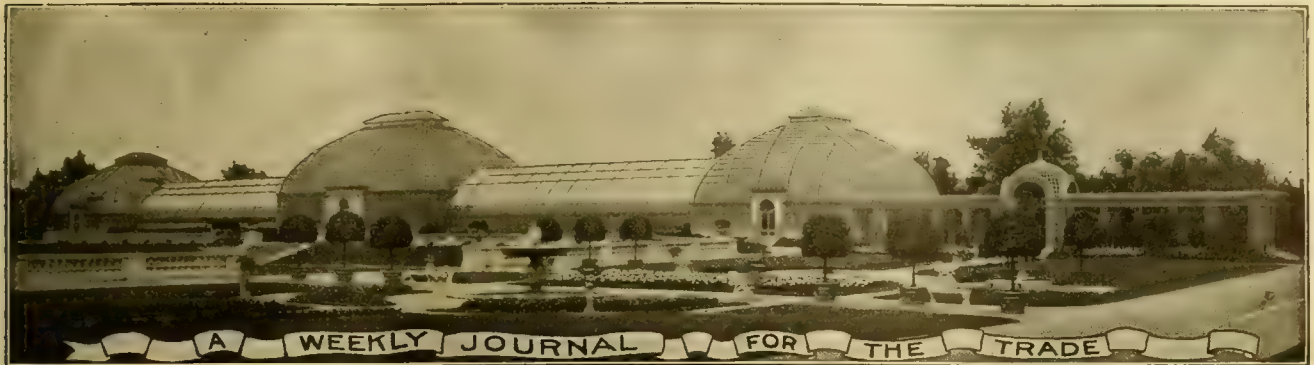
IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets,
PHILADELPHIA.

VENTILATING
APPARATUS

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, NOVEMBER 23, 1912.

No. 1277

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Madis-
son, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Azaleas.

Keep the azaleas well spaced out as they begin to come into flower. The buds should be swelling rapidly and beginning to show color by early December. Never allow the plants to suffer for water and where any are shipped out or carried into the residences they should be well watered before being taken out of the greenhouse. All plants that are sent away should be safely covered, and with azaleas it must be taken into consideration that they have been grown in a very warm temperature, and they chill easily. Plants that are forced as hard as these are to have them for the holidays are damaged very quickly if they get chilled, even if they do not get frost-bitten. We have known azalea plants to look all right when undone, but the blooms wilted and never came out. Six to eight thicknesses of newspaper with a heavy outside paper should always be used in doing up these plants and more if the weather is severe. If the plants are not far advanced enough to have them in for Christmas a little higher temperature will be required, for to have them in at that date is a necessity in order to get the best price. Watering or syringing with warm water will assist some, but we do not like to do this unless absolutely necessary to get them in on time. Plants that are too far advanced can be moved into a cooler house which will greatly benefit them for house culture.

Cinerarias.

As fast as these plants require it they should be repotted and shifted to larger-sized pots. They are growing rapidly and should receive no check or they will become stunted. Keep them in a cool temperature, that they may be strong and sturdy, and above all things now do not crowd them, but space them out often; when the leaves begin to touch go over the bench and space them out. These plants are beautiful in early spring if well grown but if they become crowded and get drawn they are but poor specimens. When the large plants begin to show their buds, if they are in as large pots as

can be easily handled a watering of liquid manure will help them finish their flowers. They are strong growers and great feeders and where the pots are full of roots will need a little stimulant. Constant watchfulness for aphid is required in growing these plants. Frequent fumigations will be necessary or standing on tobacco stems will keep the insect in check.

Lily of the Valley.

It is often remarked that it is surprising more florists do not force lily of the valley for the holidays. While the forcing of this flower throughout the season had much better be left to those who make a specialty of it, for the demand during the winter is not at all steady, and for the smaller grower to attempt to grow his supply would be hazardous and probably result in so much waste that he would lose in the end. But well grown pots of lily of the valley at Christmas will always be disposed of and there is more or less demand for the cut blooms at that time, and a small amount can be grown and a good profit obtained. Well selected cold-storage pips are necessary—it would not pay to attempt to grow the freshly imported stock—and a place in the greenhouse where the pipes can be enclosed and the pots kept dark with a temperature of 80° maintained. It is not necessary to build an enclosure of wood, for bagging or old carpeting may be hung under a bench and shelves provided that will enclose a space large enough to grow what pots may be required. Three weeks with cold storage pips in this kind of an enclosure will bring it in on time, but the inexperienced grower had better take a little longer and if the flowers come too early as soon as the bells form the pots can be moved into a cool house and they will be much improved; in fact, they should have a few days in the light to give the foliage proper color. When the pips are received the roots should be cut so that they can be placed in the shallow bulb pans, and then planted in clean sand, the tops of the pips being just even with sand with a dozen pips

Index to Advertisers,
Page 1072

Ready Reference Advt.,
Page 1073

Help and Situations Wanted,
Advertisements,
Page 1033

in a four-inch pan or 25 in a six-inch pan. Water with warm water to settle the sand about the pips, and if they stand above the sand when it settles fill in to the top of the pips, and then place the pans in the warm enclosure. Keep the sand wet and always water at a temperature as warm as the enclosure. When the flowers begin to show, care should be taken not to wet them when watering. As soon as the first bells begin to open place them in a partly shady location in a little cooler temperature and in a day or two they can be placed in full sunlight in a house with a temperature of 60 degrees. They will then harden up nicely and keep longer.

Poinsettias.

The plants are now forming their showy bracts and the worries of the grower are nearly at an end, for if they have come through to this time in good condition the disposal of the plants and flowers is all that remains. Until the highly colored leaves have attained their full size, however, the same equal temperature should be maintained and then if found advisable a little drop in the temperature can be allowed, but it is far better to do this gradually and not subject the plants to too sudden a variation. The plants should now be all neatly tied to a stake and, as before remarked, the neater the stake the better the appearance of the plant. It always has seemed strange to us that a grower will spend time and money in producing a crop and then spoil the appearance or the best sale of the plant by using a cheap ill-looking auxiliary in attempting to save a penny. These plants can be disposed of at a good remunerative price if properly handled, and nice-looking, painted stakes can be afforded. The plants grown for cut blooms should be kept tied erect that they may have straight stems. In the cutting and marketing of these blooms much disappointment and failure has been experienced by many growers, the bracts wilting very soon after cutting and where this occurs they never recover. Some growers place the stems on a red hot coal immediately after they are cut and thus seal the end. Others plunge the stems in hot water, and both are said successfully to prevent wilting. Another plan is to wrap the blooms in wet newspapers, similarly to the manner of handling cut adiantums, and then placing the stems in deep jars of water. It will be found necessary to adopt these or some other method to prevent the blooms from wilting or many will be lost.

NASHVILLE, TENN.—McIntyre Bros., proprietors of greenhouses on Hillsboro pike, are opening a downtown store. Dan McIntyre will have charge of the greenhouses and Will McIntyre of the store. Hugh and Tom McIntyre will oversee the work at the new greenhouses on Nolensville road.

COLUMBUS, O.—Samuel Graff, manager of the Art Floral Co., may continue in business despite a contract not to do so entered into with his brother before the latter's death. Judge Kinkead ruled that the death of William Graff terminated the contract, which was made when the two dissolved partnership. William taking over the business, Mrs. William Graff, the widow, continued the business and the executor of the estate brought suit against Samuel.

THE RETAIL TRADE

Conducted by Rob. Kift, Philadelphia, Pa.

The Turkey in Table Decorations.

From the center of the chandelier over the table suspend two rustic bars with one below the two and connected with two vertical bars. To keep them together tie with stout wire and cover with birch bark. These should not be clumsy heavy looking bars but of frail design so that the bark will not make them look clumsy. Encircle the two upper bars in the center (allowing the ends for a distance to be uncovered) with autumn vines of brilliant hues. Or, if this is not available, use Southern smilax; or even asparagus vines will look well.

Use this same arrangement on the lower bar in the center, allowing the vines to extend below in different lengths. On this lower bar place a turkey ornament. The kind used as favors will do. On the table make an arrangement of these bars, placing them on a basket of maidenhair ferns. On the lower bar of either side place a turkey ornament. On the top of the upper bar place a small round ball of berries from which extend tiny garlands of berries to the top of the center piece of the chandelier, using about two garlands for each side.

On the center of the table place a plate glass mirror to reflect the decoration above, surrounding it with a garland of American Beauty roses. For favors the turkey ornament can be prettily used by making the opening at the top where candy is usually placed serve to arrange a few lily of the valley with a touch of the berries in the center. These favors will look well resting on a mat of maidenhair ferns.

A. E. K.

Cretonne Parasol for Ballroom.

There is always the demand for something unusual and at the same time artistically effective which the customer of the present day looks for in a ballroom decoration. To produce this effect the modern art of the florist has a distinction for originality for each function has some new keynote to startle the anxious guests who expect something different where the florist is given carte blanche. For the center of the ballroom arrange a huge open parasol made of a cretonne of the Dresden design in pink and white,

covering the handle with a wide pink satin sash ribbon and attaching it to the ceiling with an immense rosette of the same ribbon. Fill in the parasol with the very long stemmed Killarney roses—starting to tie some of smaller size at the middle of the handle and working downward, increasing the length and size of the roses so that at the end they will extend beyond the parasol edge. From each prong end of parasol place a garland daintily made of small pink roses, using bunches of maidenhair ferns in between the roses to give it a dainty touch. Gather up these garlands in a very loose manner at the middle of the parasol underneath, having the garlands sufficiently long so as to fall gracefully. Also tie a pink satin rosette where the garlands are attached.

At convenient intervals from this centerpiece suspend a half open parasol made of the same cretonne. Place in the pockets made by the half opening huge bunches of pink chrysanthemums. If but one half open parasol is used on either side of the center-piece, stretch garlands of Killarney roses in pink, connecting the three designs. The garlands should be heavy and full and the center of each garland bunched with a loosely arranged lot of roses, using profusely of maidenhair fern—the new variety if possible; or the new specimen of Pierson will look well. Of course the end parasols will have to be finished with pink satin sash ribbon on the order of the center arrangement. On the walls place wall pockets filled with pink chrysanthemums. Cover the wall pocket with maidenhair, allowing no basket to show. Extend garlands of asparagus vines from these pockets. From the corners of the room garlands of asparagus vines can be extended to the half open parasols. Bank tall palms in the corners with a touch of potted chrysanthemums arranged in a cluster in the center part in front of the palms, using ferns of smaller size to finish.

For the dinner table use a round basket of fair height and cover it with a fancy pink and white silk or satin in a Dresden design. Arrange in it Killarney roses in pink and white. Run strands of asparagus vines from this to the table and encircle the lower part of the basket with it, also allowing rich full strands to extend to the end of the table at each end and at the centers. For favors use the rose-shaped vases that look like candle-



PACIFIC COAST HORTICULTURAL SOCIETY.

Dresden Table by Albert O. Stein, that Took First Prize at Fall Exhibition.

stick holders and fill these with a single pink rose surrounded with lily of the valley. Arrange these favors on the asparagus vines in a circle around the centerpiece. Or, a little pyramid tree arranged in a Dresden china tub made of lily of the valley will look effective and should be tied with a tiny rosette of pink gauze ribbon. In this case no green foliage of valley should be used, but merely the smallest sprays of valley arranged in a regular tree pyramid, using a green satin covered stem for the center. The tiny tips of the maidenhair fern should be used as a green around the lower edge.

A. E. K.

WITH THE GROWERS

Chas. H. Totty, Madison, N. J.

Taking advantage of Chas. H. Totty's invitation to visit his greenhouses, the writer spent a pleasant time with Mr. Totty looking over his chrysanthemums and other stock. The chrysanthemums were past their best, particularly the large blooms, but there were some fine specimen flowers still on hand. The last of a fine lot of Wm. Turner were still to be seen. This is a large bold flower of the purest white and it seems to make almost as large a bloom on late propagated stock as on that propagated earlier. A fine lot of Harry E. Converse was found here also and there were quite a number of plants of the incurved red or bronze that won the Lord & Burnham special prize at the American Institute's show. Part of a bench of Mrs. Gilbert Drabble was just finishing up. This variety is a beautiful white bloom when well done but it must be classed in the list of "fancies," and to grow it well it needs generous treatment.

The crimson variety, Wm. Kleinhertz, looked exceedingly well as to color, but Mr. Totty says that the blooms were not quite up to last year's standard in size, which has been the case with a number of varieties, and he attributes this to the very warm and damp weather which prevailed during October and which still continued at the time of the writer's visit. The outside temperature then was 65 degrees with a cloudy sky, conditions not very conducive to the keeping qualities of chrysanthemum blooms. The quantity and number of varieties of chrysanthemums grown at this establishment is bewildering. All the best of the standard exhibition varieties are here, as well as a large number of novelties of American and foreign origin in their first and second years' trials, many of which fall short of our present day standard, though some of them are wonders at the exhibitions in England and other European countries.

One variety from England is particularly noticeable in this respect. The growth of stem and foliage is almost perfect and the size of the bloom is large enough to compete in the fastest company, but as it develops it opens up and shows an eye as big as a dollar. The single varieties are grown in large quantities, one house in particular being worth going a long way to see. Every shade of color and form imaginable was represented and it was the same with the pompon varieties. Carnations are also grown but mostly for stock purposes. A box of



PACIFIC COAST HORTICULTURAL SOCIETY.

Table Decorated by Pelicano, Rossi & Co. at San Francisco Show. Winner of Second Prize.

the new variety Northport, another of Salmon Queen, Salmon Sport of Enchantress, and still another of Bonfire were all in good shape but it is a little early to comment very much on the carnation. The main thing to say is that the plants were in fine shape.

The biggest attraction at this place for the next few months will be Mr. Totty's new rose Mrs. George Shawyer, which is a beautiful shade of pink carried on long stems with fine foliage. The flower is of large size and very fragrant. It will be worth while for every rose grower that can to visit and see for himself the growth of this newcomer. One of its good features to be noted is the way it gets away into blooming shoots again after a shoot has been cut. There was scarcely any blind wood to be seen, every break getting away with a good strong-flowering shoot.

C. W. JOHNSON.

Dreer's Riverton Establishment.

One of the features of the Riverview, N. J., branch of this noted establishment the last two months has been the immense display of dahlias. Acres and acres of these, as much as almost an acre being given to some one variety, were to be seen in full flower, none of the blooms being cut for sale. Among the notable varieties, all of which were highly recommended by J. D. Eisele, were: Nancy May, Mrs. Roosevelt, Isabella Hall, August Nonin, Hampton Court, Hildegard Deegan, Mrs. C. L. Seybold, Prairie Fire, Tawine, Mde. Vanden Doele, Princess Victor, Eventide, Miss Minnie McCullough. These are just a few that were mentioned as they appeared individually to stand out of the masses of color. It was worth a day's journey to see.

Hydrangeas are also found here in great numbers. There are over 100 great plants in twenty-two varieties of the new French hybrids, which Mr. Eisele says are hardy and will do very well in this country. He says they

will be found in every garden in the near future. A wonderful importation of bay trees, the largest ever brought to this country at one time, are stored here. They are very fine and on account of the great quantity received are offered at record-breaking low prices. A house of very well berried ardisias were all sold. Phoenix canariensis and roebelenii, a large house of each, were also featured. Livingstonia rotundifolia is also grown in quantity. The variegated pineapple appears to grow here as easily as the commoner garden plants. There is a great demand for these for private greenhouses.

Every foot of the great Riverton ranges is filled with clean, healthy plants. There are acres of kentias and almost as much space devoted to cocos weddelliana. They have made a specialty of this graceful palm the past five years and can hardly keep up with the demand for the stock, particularly in large sizes, of which many fine specimens are seen. The sensation of the fern ranges is the new adiantum Glory of Moredrecht, commonly called the Glory fern. Many of the plants can scarcely be distinguished from Farleyense, but unlike this variety they are one of the easiest sorts to grow, and G. D. Clark, the fern specialist, says it will soon be one of the staple greens for use with cut flowers, as it is even easier to cultivate than adiantum croweanum. A house entirely filled with thousands of this variety in three-inch pots was a beautiful sight.

Ferns for the table are now grown in 2½-inch pots. Placed a little apart on the table they make fine bushy plants and their small ball of earth prevents of their transfer to the fernery without disturbing the roots as when taken from the larger pots. A new Asparagus Madagascarensis, a dwarf form which makes sets and ripens seed in red pods on the end of each spray is thought to be worth a trial as a Christmas novelty.

K.

CHRYSANTHEMUMS

Stem and Foliage.

The importance of perfect stem and foliage in the commercial varieties is well established by the few kinds now considered suitable for this purpose. The writer in his address as president of the Chrysanthemum Society of America at St. Louis last year mentioned the need of a race for exhibitions with the foliage brought closer to the blooms, thus eliminating the long bare necks. In another publication appears the following reference to Thos. Pockett's work along this line: "Mr. Pockett is a most interesting man to talk with and after one has heard him speak of spending eight years to get the foliage up to the flower on a variety that conformed to his ideal in every other respect, one will realize the painstaking, plodding care of the hybridist working along year after year for a return that is miserably inadequate by comparison."

This simply demonstrates the fact that the eminent specialist has also given time and thought to this subject and whatever his achievements are he is certainly entitled to full credit, as it is a step in the right direction. "The Triumvirate," however, do not control all varieties possessing this special feature. President Roosevelt disseminated by us in 1906 was the first break we obtained and Artistic Queen, among the present year's novelties, was the second. The accompanying illustrations show three new candidates in the exhibition class that will be appreciated when their merits are generally known.

ELMER D. SMITH.

Some of the Newer Varieties.

The chrysanthemum is now the leading attraction at the park conservatories, cemeteries and other public and semi-public places. These are the places where the popular favorites of years gone by can be seen. They linger in the affections of the gardener but the commercial grower out of the necessity of keeping his stock up-to-date with commercial varieties has discarded them long ago. Most of the parks, etc., also keep their stock up-to-date with leading exhibition varieties as they are sent out each year, growing them up to the highest state of perfection, which is a grand feature and should be encouraged in every way. That they are popular with the public can easily be verified by a visit to any one of these places on a Sunday during the time the chrysanthemum display is on. There are a large number of varieties mostly among the imported exhibition kinds that are magnificent when well grown, but they require a long season of growth and lots of care to get them to their highest state of perfection, which means that they are out of the consideration of the average commercial grower and the task of keeping them in existence and to the front is left to the private gardener and those connected with the parks and the other institutions.

The single flowering varieties are another class that work in fine shape for decorative and display effect. These have made such a big advance dur-

ing the past few years that it makes one stop to think a little of the reason why some enthusiasts have been so enraptured with them as to push their development to their present high state of perfection, and it can be readily seen that the end is not yet. Last season a great improvement could be seen along the line of color and petalage and when this season's record is written there is not any doubt as to the advancement that will have been made. The pure tones and contrasts of color of the large flowered varieties are most beautiful and there is not anything more pleasing than the graceful sprays of the small flowered varieties. The pompon varieties are also being grown and developed to a greater extent than was ever thought of a few years ago. Then a few varieties were grown that had been in existence a long time without any additions, but now we find many beautiful varieties coming out from many sources. They are very showy when grown dwarf in pots and they last in good condition for a long season.

A few notes of the newer varieties that are grand in every way and especially suitable for display purposes

when well grown, may be useful to someone desirous of enlarging or improving his collection. These notes are of a collection that has been grown in 7 and 8-inch pots and given the closest attention.

Mrs. David Syme—A large white Japanese with broad petals curling and entwining, making a very beautiful bloom of purest color.

W. Woodmason—A striking crimson variety of great size, dwarf grown.

J. W. Molyneux—One of the very best bright crimson varieties that has come under our notice. A fine grower; large, reflexing Japanese flowers, showing off the color effect of the petals to the best advantage.

M. L. Rosseau—A striking lavender shaded with rose on the inside of the petals. This is not a new variety but there are few that can beat it in size when well done and it is such a bold, striking flower that it stands out in front among the best of them.

Gladys Blackburn—This is a favorite with us on account of its graceful reflexed form and fine habit of growth. It is best described as a straw colored or light buff. Although it is light in color, it is one of the most attractive and is a fine keeper.



NEW AMERICAN CHRYSANTHEMUMS.

Showing Stem and Foliage.

Lenox—A very large Japanese incurved yellow of the largest size and fine keeping qualities. Comes into bloom early and lasts a long time. A very attractive variety.

Lady Edward Letchworth—A golden yellow of fine form with bold, curling petals. A fine variety.

Reginald Vallis—One of the largest deep rose pink with lots of life in the color. A very striking variety in a collection; fine semi-dwarf grower.

Mary Donnellan—In form, color and petalage the most beautiful of all yellow chrysanthemums. Under some conditions of growing the stem and foliage are not of the best. It is also inclined to be a tall grower but it is such a beautiful flower that it pays to give it a little extra care.

Adonis—A beautiful shade of pink. One of the largest, also inclined to be a tall grower, and comes a little late. A fine flower when well done.

Mrs. J. Wells—A deep purple. A very striking color as a contrast to the whites, yellows and pinks. A fine, large flower.

Pockett's Crimson—Not a very new variety but one of the very best of the crimson with reverse of gold petals. A great favorite.

Harry Converse—Chestnut crimson. A fine acquisition of 1911. A variety that is hard to beat in its color.

Naomah—A bold, pure white, incurved flower. The very best for all purposes, graceful in outline of petalage and of the largest size.

While glowing over the many qualities and attractions of the newer varieties we must not forget the old "stand-bys" that are of proved merit both for display and exhibition. Among those that have been with us for a long time and are still right up at the top are: F. S. Vallis, Glenview, Pockett's Surprise, Gen. Hutton, Geo. W. Pook, Mrs. Jos. Sinnott, T. Carrington, Mrs. Wm. Duckham, S. A. Naceur Bey, Frank Payne, Chas. H. Totty. Mrs. Chas. H. Totty, Leslie Morrison, Mrs. O. H. Kahn, Mrs. Wm. Knox, Lillian Coppard and O. H. Broomhead.

C. W. JOHNSON.

Palmer Exhibit Lauded.

The exhibit of W. J. Palmer & Son at the Buffalo flower show is the subject of a half-column article in the Courier of that city. The Palmer exhibit was distinguished as displaying the largest chrysanthemum and the smallest rose of the entire exhibition. The Courier says in part:

There is a pleasing absence of overlapping and confusion among the floral pieces. Each basket, bouquet and plant presents a picture to the visitor as sharply defined as a medallion. This effect is intensified also by the somber background of smilax constructed upon a rustic latticework. Suspended from this latticework are myriad baskets overflowing with twenty-four varieties of dainty pompon chrysanthemums.

In the very center of the display is a huge vase of gorgeous scarlet roses. This piece forms the apex of the floral display from which smaller and slenderer vases and reed baskets descend in a graduating scale. Some very bizarre hues are to be discovered among the roses, particularly in that of the lovely Irish Flame rose and the delicate Killarney rose. The rose which is constantly the center of the greatest admiration, however, is the charming little Mignon rose.



NEW ROSE MRS. CHARLES RUSSELL.

THE ROSE.

New Rose Mrs. Charles Russell.

That the advance reports of the new rose Mrs. Charles Russell, first notice and illustrated description of which appeared in THE AMERICAN FLORIST, in no way exaggerated the fine qualities of this beautiful flower is made evident by the word received from the exhibitions where it has been shown. The rose is the result of 12 years' propagation at the Waban Rose Conservatories, Natick, Mass. and was named for the wife of the treasurer of the corporation. It has taken the place of the American Beauty at the Waban Conservatories and many experts predict that it will eventually supersede that magnificent flower in popular favor.

The color is described as a carmine pink, gradually shading from a deep carmine to a pleasant pink as it unfolds. The growth is very strong and it throws long, strong shoots from the base of the plant, but these stems never produce a "bullhead" even in the coldest weather. The shoots are something like those of the American Beauty, being three or four feet in length, but unlike that variety there is always a flower at the top. The foliage is extremely glossy, another fea-

ture which many people like, although some may still prefer the American Beauty type in this respect. At the Waban greenhouses the plants are grown both on their own roots and grafted, with little difference in the result. The growth in the beds is stronger than in benches, but the flowers produced in both cases are practically the same.

In the twelve years the Mrs. Charles Russell was being produced four separate crosses with good sturdy stock were made, with probably as near a perfect rose as has yet been propagated as the result. It will be disseminated in 1913 and seems certain to leap to the front at once. It received the Massachusetts Horticultural Society's gold medal at the exhibition at Boston, November 7-10.

In a paper read before the Chicago Florists' Club recently, E. G. Hill, the well-known rose specialist of Richmond, Ind., said: "The writer had the pleasure of viewing 25 blooms of Mrs. Chas. Russell last Saturday in the flower shop of Fred Lemon which had been sent by the raiser, Alex. Montgomery, for inspection. The flowers were larger than American Beauty and were indeed magnificent in form and substance; they were on stems three feet long and held erect; the color



CARNATION PRINCESS DAGMAR.

Showing Calyx.

dark rosy pink, or so it appeared to the writer—not unlike the color of good American Beauty. What impressed me most was its fine form and its splendid keeping qualities. I do not know the parentage of this rose, but it surely is close kin to American Beauty judging by its general make up. Mr. Montgomery is to be congratulated on producing such a fine rose."

Heating Dwelling.

ED. AMERICAN FLORIST:

I have a No. 30 Wilks hot water boiler, which I used in the greenhouse (25x100 feet) and would like to put it in the dwelling. I want to have the boiler in the basement, which is 25x75 feet. I would like to place five radiators in the hall upstairs and two in the basement. Would you kindly advise me how to put it up and where to put the feed box? Is there any difference between steam and hot water radiators? I want to use 2-inch pipe for everything. M. W. Illinois.

While hot water radiators can be used for steam heating it is not feasible to use steam radiators for hot water unless the sections are connected at the upper end as well as at the lower. In the hot water radiators the air vents are at the top, while in the steam radiators they are about one-third of the way down from the top.

There is likely to be some trouble in securing a circulation in the radiators in the basement unless they can be raised several feet. If 2-inch wall coils are used, put in connecting pipe of the same size, and make sure that all pipes have a slight fall. The size and arrangement of the connecting pipes cannot be determined from the data given. In a general way we would suggest that the main flow pipe run through the basement a foot or so under the floor joists so as to pass under the inlets to the radiators in the hall. It should be about 3-inch at the start and can gradually be reduced

to 2-inch. From this run feed pipes to each radiator.

The main return should run along the side of the flow pipe and should connect with the opposite end of each radiator. The main flow and return should have a slight rise from the boiler. The expansion tank can be connected at any convenient point. It should be located higher than the radiators and may be placed in the attic.

THE CARNATION.

Carnation Princess Dagmar.

The accompanying illustration shows the new seedling carnation Princess Dagmar which won a silver medal at the exhibition of the Massachusetts Horticultural Society, Boston, Mass., November 7-10. In color Princess Dagmar is a deep crimson, but not too dark. The flowers are borne on long, stiff stems and are large in size, averaging, according to their originators, Patten & Co., Tewksbury, Mass., from three and a half to four inches. The plants are strong growers and healthy and the calyx does not split easily. The flower is a cross between Genevieve, a large white seedling, and an unnamed crimson seedling.

Heating, Syringing, Fumigating.

The shortening days and cooler nights bring to mind the fact that some little artificial heat is needed in order to keep a good growing atmosphere in the carnation houses, it being not quite so much a matter of temperature only as of getting rid of superfluous moisture. Where the houses are allowed to go without any fire heat until actual frost occurs, there will always be found more or less of the flowers that are imperfect in the center, owing to the collection of moisture among the partly opened petals. And not only among the open flowers is such a condition likely to be noted, but some of the larger buds will also decay, and the only way to prevent this trouble is to air freely and to give heat enough to dry the atmosphere.

The damping of the flowers as noted above is also encouraged by too much syringing, or by syringing too late in the day. Of course, carnations are not in such active demand during the



CARNATION PRINCESS DAGMAR.

Full View of Flower.

height of the chrysanthemum season, but, even so, one does not like to see good flowers spoiled for the lack of a little care. With this in view it is good practice to start the fires in reasonable season. For example, in the latitude of New York city it usually becomes necessary to begin firing in the carnation houses about October 15 to 20. This does not mean that the houses need closing down at that period, but rather that they may be aired more freely and to allow the moisture to escape from the foliage and flowers.

Suitable days for syringing become less frequent as the season advances, and speaking in a general way it may be said that provided the syringing was thoroughly and frequently performed during the month of September, there will be much less need for doing it when the days get short. There may be some nests of red spider hidden away on the back of side benches or some such inaccessible places, and it is these that cause trouble later on, when there is little chance to dislodge them with the hose. The morning is the time to water and to syringe where it is needed, getting at it as early as possible after the flowers have been cut.

If the soil has been well prepared beforehand and sufficiently enriched at the time the benches were filled, there should not be any necessity for feeding yet, unless it is those plants that were planted indoors in May or June, the latter having naturally exhausted more of the plant food from the soil than the ones planted in from the field in July and August. But the matter of feeding is one in which experience counts and for which it is hard to give positive instructions, so much depending upon the original condition of the soil and also upon its consistency and general character.

Light soils lose some of the fertilizing elements much sooner than heavy or clayey soils, and in most cases will stand a greater amount of fertilizing material without souring. This is probably due to the physical condition of the soil in a great measure, the air, sun and water all having easier access to, and consequently freer action upon, the light soil than the heavy. The most essential fertilizing element for carnations is doubtless nitrogen, and the forms that are most convenient to the hand of the grower are contained in stable manure, sheep manure, dried blood and tankage, all of which have value, although the value varies according to the needs of the soil. Lime aids the grower by opening and sweetening the soil, and also by liberating some forms of plant food that otherwise might remain inert throughout the season. As the plants get more heavily rooted more care is required in stirring the surface of the soil, otherwise many roots may be disturbed, especially when the stirring up is done after a cloudy spell of weather, for at such periods the roots come closer to the surface.

Wiring and tying should be kept well in hand at this season, otherwise the shoots will not have proper support, and once allowed to grow crooked they never get thoroughly straightened out again. Tucking in will need frequent attention, for the shoots will catch under the wires and strings and soon be spoiled. Spraying or fumigating with nicotine solutions are in order each week, and while



CARNATION PRINCESS DAGMAR.

neither of these operations is an unmixed joy to the operator, yet there seems to be no other poison more effective against thrips and aphids. Fumigating bleaches some of the light pink varieties, while spraying spots some of the dark colored flowers. There may be some injury from either, though used carefully these preparations do little damage.

W. H. TAPLIN.

Crested Ferns.

The natural venation of ferns is arranged after a forking pattern, and in consequence one of the commonest forms of variation is that in which the pinnules pinnae or fronds fork at the tip, according to the Fern Bulletin. When, as is most frequently the case, the parts divide into two equal branches, the form is spoken of as a forked form, but when the forking is multiplied it is called crested. In the early numbers of the Bulletin thirty-seven different species are recorded as having forking fronds. So far as we are aware no attempt was made to give these forms scientific names, but with crested forms the case is somewhat different, since the division of the frond is more complicated and often results in specimens of considerable attractiveness. Of these latter, several have been given distinctive names. Since several of these names are not self-explanatory the whole list for the American ferns may be given. Among the nephrodiums a crested form of *n. cristatum* is known

as *f. pufferae*, and a similar occurrence in *n. marginale* is *f. Davenportii*. Maxon gave the name *cristata* to a form of *Dicksonia*. Trelease named a crested form of *Pellaea atropurea*, *f. cristata*, and A. A. Eaton gave the name of *ramosa* to a partly forked, partly cristate form of *Woodwardia radicans*, or *W. spinulosa* as recent fern lists have it. Eaton also named *polystichum munitum f. flabellatum*, and the editor of the Bulletin has named a similar form of the ebony fern *asplenium ebeneum f. furcatum*. Our two commonest species, *polypodium vulgare* and *athyrium filix-foemina*, have of course, long had named crested forms. Clarence Lown, an early American student of ferns, gave the name *cristatum* to a form of *p. vulgare*, though according to Gilbert this is properly *bifido-multifidum*. A crested form, however, is known in England and bears the name of *cristatum*. Our very common Christmas fern (*polystichum acrostichoides*) appears never to have had named a crested variety, though several such forms have been reported. The only advantage to be gained by giving a name to these forms, is that it enables them to be handled in print more easily. Anyone having a taste for naming forms of this kind should have no trouble in securing material for the work if a careful search is made in the haunts of the ferns.

OAKLAND, CALIF.—The Alameda County Floral Society recently was organized here.

THE EXHIBITIONS.

Ohio Horticultural Society.

FALL EXHIBITION.

The first exhibition of the Ohio Horticultural Society was held at Gray's Armory, Cleveland, November 14-16, and was an unqualified success in every respect. The total attendance was 9,500 and many of the visiting florists declared it was the best show they had ever attended. John Boddy, chairman of the society's exhibition committee, and Joseph Hossack, manager of the show, as well as the other officers and members of the society, worked with might and main to make the exhibition a success and their efforts were well repaid.

Among the exhibits of more than ordinary note were the A. N. Pierson, Inc., display of Milady roses, the Wa-

Store, Chicago and New York, three firsts, one third; J. M. Gasser Co., Cleveland, one first, five seconds, three thirds.

Cut chrysanthemums—Elmer D. Smith & Co., Adrian, Mich., six firsts, two seconds, one third; Chas. H. Totty, Madison, N. J., six firsts, two seconds, one third; Poehlmann Bros. Co., Chicago, two firsts, one second, three thirds; J. M. Gasser Co., two firsts, two seconds, one third; E. G. Hill Co., Richmond, Ind., two firsts, four seconds, three thirds; F. R. Williams Co., one first, three seconds; L. E. Holden, —, —, two seconds; C. Merkel & Son, Mentor, O., two thirds; A. N. Pierson, Inc., Cromwell, Conn., one third.

Seedling chrysanthemums, cut flowers—Elmer D. Smith, three firsts and silver cup; A. N. Pierson, Inc., one first; C. H. Totty, two seconds.

Carnations—Chicago Carnation Co.,

thirds. Chas. H. Totty, three firsts, certificate of merit; Waban Rose Conservatories, Natick, Mass., one first; F. R. Williams Co., four thirds; F. W. Griffin, Cleveland, O., three thirds; A. N. Pierson, Inc., certificate of merit.

Miscellaneous plants—F. R. Williams, two firsts (lily of valley and orchids); J. M. Gasser Co., two firsts (lilies and antirrhinums); one third (orchids); C. B. Raymond, one first (orchids); Kate Wood, one second (orchids); Carl Gerdum, one third (orchids).

Decorative and foliage plants—Hart Bros., eight firsts, two seconds; J. M. Gasser Co., four firsts, seven seconds; A. N. Pierson, Inc., one first; Chas. Winterich, Defiance, O., one first; Merkel & Son, one second; A. Graham & Son, Cleveland, O., one second.

Geraniums—J. M. Gasser, first.

Table decorations—Knoble Bros., Cleveland, O., one first, one second; C. M. Wagner, Cleveland, one first; J. M. Gasser Co., one first; Ella G. Wilson, one second.

Baskets and bouquets—Jones-Russell Co., Cleveland, four firsts; Smith & Feters, Cleveland, two seconds, one third; Carl Hagenberger, one second; Knoble Bros., one second; J. M. Gasser Co., one third.

Special entries—Cyclamen, Chas. Winterich; Jerusalem cherry plant, John Leuschner, Cleveland; primulas, John Leuschner, begonias, Hart Bros.; azaleas, Hart Bros.; fern and begonias, Hart Bros.

CHAS. F. BASTIAN.

Westchester and Fairfield Hort. Society.

ANNUAL FALL SHOW.

The second annual fall show of the Westchester and Fairfield Horticultural Society opened November 7. The arrangements were excellent and much credit is due Anthon S. Petersen, manager of the show, and Oscar E. Addor, corresponding secretary of the society, for their untiring efforts in arranging the details. Much fine stock was shown and the exhibition was a decided success. Awards were made as follows:

CHRYSANTHEMUM PLANTS.

One specimen bush plant, any color—Miss G. Iselin, New Rochelle (E. McKensie, gardener), first; Robt. Mallory, Port Chester, N. Y. (Wm. Sedley, gardener), second.

One specimen bush plant, white—Miss Iselin, first; Henry Siegel (Thomas Aitchison, gardener), second.

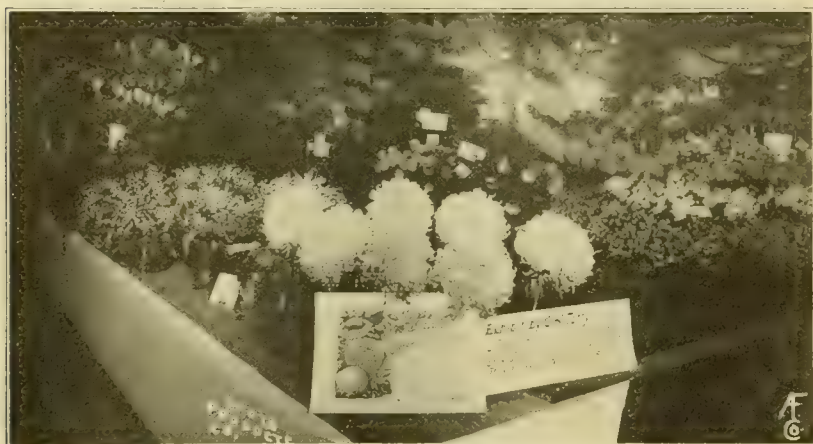


EXHIBIT OF CHAS. H. TOTTY, MADISON, N. J., AT THE CLEVELAND SHOW.

ban Rose Conservatory's Mrs. Chas. Russell, Chas. H. Totty's Mrs. George Sawyer, and last but not least, a dining room table by Knoble Bros. which won first prize in its class. There were 374 entries in all. The J. M. Gasser Co., Cleveland, won the Moninger silver cup for the largest entry list in the show, having nearly 80 entries.

The table by Knoble Bros. was especially meritorious and won much favorable comment. Yellow baby pompons were the principal decoration. The table was set complete with ten covers, gold chairs and lace cloth being used. The centerpiece was made in the shape of a tree four feet high. There were corsages for five ladies and boutonnieres for a like number of gentlemen. The corsage bouquets were tied on the chairs with yellow ribbons. Thirty bunches of the yellow pompons and 550 maidenhair ferns were used.

The exhibition as a whole was highly creditable and insures the success of the society's future efforts. There were 115 different classes of entries in all, 33 being of chrysanthemums, including plants and cut blooms. The carnation and rose displays were also very attractive and the decorative and foliage plants and table decorations attracted the people in crowds. The officers and members of the society feel greatly encouraged with the exhibition.

The awards in the chrysanthemum plant class were as follows: F. R. Williams Co., Cleveland, six firsts, two seconds, one third; Vaughan's Seed

Chicago, six firsts, five seconds, one third; F. R. Williams, five firsts, four seconds, two thirds; E. G. Hill, five firsts, four seconds, one third; James A. Cockroft, Northport, N. Y., three firsts; Poehlmann Bros. Co., two seconds, five thirds; Carl Hagenberger, West Mentor, O., silver cup, certificate of merit, two thirds; F. C. Bartels, Cleveland, two thirds; Chas. H. Totty, certificate of merit.

Roses—J. M. Gasser Co., twelve firsts, four seconds; Poehlmann Bros. Co., five firsts, eleven seconds, two



ORCHID DISPLAY AT THE CLEVELAND SHOW.



CARNATION DISPLAY AT THE CLEVELAND SHOW.

One specimen bush plant, pink—Miss Iselin, first; Henry Siegel, second.

W. E. Marshall Co. special prize, one specimen bush plant, any color—Miss Iselin, first; Henry Siegel, second.

Weeber & Don special prize, one specimen standard white—Henry Siegel, first; Miss Iselin, second.

Burnett Bros. special prize, one specimen standard pink—Henry Siegel, first.

Mrs. R. G. Brewer special prize, one specimen standard, any color—Henry Siegel, first.

Miss Iselin special prize, twelve plants, distinct varieties, grown to single stem—Henry Siegel, first.

Six plants, distinct varieties, grown to single stem—Henry Siegel, first.

CHRYSANTHEMUMS—CUT FLOWERS.

Henry Darlington special prize, twenty distinct varieties—Mrs. A. Constable, Mamaroneck, N. Y. (James Stuart, gardener), first; Henry Siegel, second.

Twelve blooms, distinct varieties—Miss G. Iselin, first; Miss M. Cockcroft, Saugatuck, Conn. (A. Patterson, gardener), second.

John Lewis Childs Co. special prize, six blooms, distinct varieties—Miss E. Iselin, New Rochelle (G. C. Allen, gardener), first; Miss M. Borg (James Aitchison, gardener), second.

Mrs. F. A. Constable special prize, eighteen blooms, six varieties, three of each—Henry Siegel, first; Miss Cockcroft, second.

Adrian Iselin special prize, six blooms, white—Henry Siegel, first; Miss G. Iselin, second.

Six blooms, pink—Mrs. C. A. Constable, first; Henry Siegel, second.

Six blooms, yellow—Hobart Park, Purchase, N. Y. (A. Marshall, gardener), first; Miss C. A. Bliss (J. F. Burns, gardener), second.

Six blooms, crimson—Mrs. C. A. Constable, first; Henry Siegel, second.

Six blooms, any other color—Mrs. C. A. Constable, first; J. B. Roy, second.

Three blooms, white—Henry Siegel, first; Thos. Ryan, Port Chester, N. Y., second.

Three blooms, pink—Henry Siegel, first; Mrs. W. L. Cushing (N. Stalford, gardener), second.

Three blooms, yellow—Henry Siegel, first; Mrs. C. Hoyt, Stamford, Conn. (J. Foster, gardener), second.

Three blooms, crimson—Mrs. J. I. Downey, Port Chester, N. Y. (Thos. Ryan, gardener), first; Mrs. Borg, second.

Three blooms, any other color—Henry Siegel, first; Miss E. Iselin, second.

Eighteen blooms, three varieties, six of each, stems not less than 30 inches—H. Darlington, Mamaroneck, N. Y. (P. W. Popp, gardener), first.

Elmer D. Smith Co. special prize, six blooms, any variety American origin, of 1912 introduction—H. Darlington, first; Henry Siegel, second.

Scott Bros. special prize, twenty-five vases of pompons, twenty-five distinct varieties—Chas. Malloy, Port Chester, N. Y. (W. Sealy, gardener), first; Thos. Bell, Fairfield, Conn., second.

James Stuart special prize, twelve vases of pompons, twelve distinct varieties—Chas. Malloy, first; H. Darlington, second.

F. E. Corine special prize, twenty-five vases of singles, twenty-five distinct varieties—Mrs. C. A. Constable, first; Henry Siegel, second.

Vaughan's Seed Store special prize, twelve vases of singles, twelve distinct varieties—Miss Cockcroft, first; Mrs. M. Borg, second.

Vase of chrysanthemums arranged for effect, one or more varieties, any foliage allowed—Mrs. C. A. Constable, first; Henry Siegel, second.

Chas. H. Totty special prize, best three blooms of Mrs. Geo. Burke—W. Ziegler Estate, first (gold medal); Miss N. Bliss, second (silver medal); H. Darlington, third (bronze medal).

The Morris Nursery Co. special prize, for largest bloom in the show—Henry Siegel.

MISCELLANEOUS.

The Bon Arbor Co. and Thos. Wade special prizes, group of flowering and foliage plants arranged for effect, covering 75 square feet—Mrs. C. A. Constable, first.

Peter Henderson Co. special prize, best specimen kentia—Miss G. Iselin,

first; Mrs. C. A. Constable, second.

Mr. Chas. Waterbury special prize, best specimen phoenix—Hobart Park, first.

Henry A. Dreer Co. special prize, best three *Adiantum Farleyense* *Gloriosa*—E. C. Benedict, Greenwich, Conn. (Robt Allen, gardener), first.

Joseph Manda special prize, six table plants, distinct varieties—E. C. Benedict, first.

Arthur T. Boddington special prize, six ferns, distinct varieties—E. C. Benedict, first.

Mrs. Chas. Waterbury special prize, best specimen Boston fern—Miss G. Iselin, first; H. Park, second.

The Wilson Plant Oil Co. special prize, best specimen *Adiantum* fern—H. Flagler, Mamaroneck, N. Y. (W. Cowen, gardener), first; H. Park, second.

L. Price & Co. special prize, best specimen *Asparagus sprengeri*—Mrs. C. Hoyt, first.

W. F. Herlyn special prize, three plants *Lorraine* begonias, pots not exceeding 8 inches—G. Mason, Tuxedo Park, N. Y. (D. Miller, gardener), first; Miss G. Iselin, second.

Thos. McGee special prize, specimen begonias, any flowering variety, *Lorraine* type excluded—Albert Stieglitz, Larchmont, N. Y. (Oscar E. Addor, gardener), first.

Arthur T. Boddington special prize, best specimen orchid plant—H. Park, first.

Geo. E. Baldwin Co. special prize, best table of orchids arranged for effect, table space not exceeding 3x6 feet—Miss C. Bliss, first.

ROSES.

Lord & Burnham Co. special prize, thirty-six blooms, three varieties, twelve of each—G. Mason (D. Miller, gardener), first (gold medal).

M. H. Harmon Co. special prize, twelve blooms, white—G. Mason, first; J. Ricker, Purchase, N. Y. (A. Townsend, gardener), second.

Twelve blooms, pink—J. Ricker, first; G. Mason, second.

Mrs. DeLancy Kane special prize, twelve blooms, crimson—Mrs. W.

Keroy, Stamford, Conn. (A. Wynne, gardener), first; Mrs. L. Child, New Canaan, Conn. (W. McGinnis, gardener), second.

Twelve blooms, any other color—G. Mason, first; Chas. Smith, Stamford, Conn. (A. Pederson, gardener), second.

Twelve blooms, American Beauty—Chas. Smith, first.

A. N. Pierson, Inc., special prize, twelve blooms of Killarney Queen—H. Park, first; Mrs. L. Child, second.

CARNATIONS.

Stumpp & Walter Co. special prize, thirty-six blooms, three varieties, twelve of each—G. Mason (D. Miller, gardener), first (silver cup).

Henry F. Michell Co. special prize, eighteen blooms, three varieties, six of each—G. Mason, first (silver medal); Miss C. A. Bliss, second (bronze medal).

Henry Siegel prize, fifty blooms, any variety—Traendly & Schenck, Rowayton, Conn., first; Scott Bros., Elmsford, N. Y., second.

Twelve blooms, white—Mrs. L. Child, first; Miss C. A. Bliss, second.

Twelve blooms, Winsor shade—Henry Siegel, first; Miss C. A. Bliss, second.

Twelve blooms, Enchantress shade—Miss C. A. Bliss, first; J. Downey, Port Chester, N. Y. (Thos. Ryan, gardener), second.

Twelve blooms, Lawson shade—J. B. Cobb, Stamford, Conn. (A. Allius, gardener), first; Mrs. L. Child, second.

Twelve blooms, scarlet—Mrs. W. Keroy, first; Miss C. Bliss, second.

Twelve blooms, crimson—Miss C. Bliss, first; Mrs. W. Keroy, second; Jas. D. Cockcroft, Northport, L. I., N. Y., certificate of merit.

VIOLETS.

Albert Steight special prize, fifty blooms, single—Fred Stenger (Thos. Bell, gardener), first; Mrs. W. Keroy, second.

W. McGuire special prize, display of hardy flowers to occupy table space 3x6 feet—H. Darlington (P. W. Popp, gardener), first.

A. F. F.

Worcester County Hort. Society.

CHRYSANTHEMUM SHOW.

The annual chrysanthemum show of the Worcester County Horticultural Society was held in Horticultural Hall, November 6. A. N. Pierson, Inc., Cromwell, Conn., showed a bouquet of Milady roses, and the Waban conservatories exhibited some of the Mrs. Charles Russell variety, both of which were shown for the first time in Worcester. Displays of roses by H. F. A. Lange and the Worcester conservatories attracted considerable attention. L. C. Midgley of the Worcester conservatories also exhibited his new Eureka carnation, for which he was awarded the Blake medal by the Worcester County Horticultural Society last March. The awards were:

CHRYSANTHEMUMS.

Twelve blooms—Mrs. John C. Whitin, first; George W. Knowlton, second.

Six blooms—John Gunn, first; Mrs. J. C. Whitin, second; G. W. Knowlton, third.

Best bloom—Mrs. J. C. Whitin, first; G. W. Knowlton, second.

Vase of twenty-five blooms—G. W.

Knowlton, first; Mrs. J. C. Whitin, second; Charles Potter, third.

Pompons—Mrs. J. C. Whitin, first; G. W. Knowlton, second; Mrs. George W. Wells, third.

Single blooms—Mrs. G. W. Wells, first; H. F. A. Lange, second; J. Gunn, third.

Vase of white—Mrs. J. C. Whitin, first; G. W. Knowlton, second.

Vase of pink—G. C. Knowlton, first; Mrs. G. W. Wells, second; Mrs. J. C. Whitin, third.

Vase of yellow—G. W. Knowlton, first; Mrs. J. C. Whitin, second; John Gunn, third.

Vase of red—John Gunn, first; Mrs. J. C. Whitin, second.

Specimen plants—Leonard C. Midgley, \$25; H. F. A. Lange, \$15.

Plants and flowers—H. F. A. Lange, first; Denholm & McKay Co., second; Charles Potter, third.

Best exhibit—H. F. A. Lange, first.

Other prize winners were: Worcester conservatories, H. F. Midgley, roses; George W. Knowlton, orchids and begonias; L. C. Midgley, Eureka carnations; Alysne A. Hixon, plants; Mrs. P. G. Forbes, violets; Mrs. A. E. Ackly, fern globe; Grace L. Johnson, fern globe red berries, and fern globe white berries; H. F. A. Lange, palms; Mrs. Wallace E. Sargent, basket of plants; John Gunn and Miss Morrison, vase of chrysanthemums.

THE ANNUAL MEETING.

The Society held its annual meeting in Horticultural Hall, November 5, re-electing the following officers for the coming year: Edward W. Breed, Clinton, president; Arthur J. Marble, Charles Greenwood and Herbert K. Kinney, vice-presidents; Leonard C. Midgley, secretary; Miss Lucy M. Coulson, librarian; Burt W. Greenwood, treasurer. Leonard C. Midgley was re-elected to the finance committee. The officers gave their reports, which showed the Society to be in a flourishing condition. George McWilliams, judge of flowers; Herbert A. Cook, judge of fruit, and Charles Greenwood, judge of vegetables, also re-

ported. Secretary Midgley announced that Leonard C. Midgley, William Anson and George McWilliams were winners of Blake medals. Aldin Derby, Herbert A. Cook, W. D. Ross and George McWilliams won Hadwen fund medals. H. B. Watts, H. R. Kinney and H. Ward Moore were appointed to fill vacancies in the board of trustees. Other appointments were: W. D. Ross, to succeed Hon. Edward L. Davis; H. E. Sumner, to succeed Arthur E. Hartshorn, and B. M. Chamberlain, who succeeds Myron F. Converse.

R.

Massachusetts Agricultural College.

CHRYSANTHEMUM EXHIBITION.

The annual chrysanthemum exhibition at Massachusetts Agricultural College was held on Saturday, October 26 and was the most successful ever given. The college exhibited specimen blooms of many of the new varieties, which were cut, labeled and staged by members of the senior class. The members of the junior class gave an exhibition of table decorations, using chrysanthemums for the flowers and autumn foliage, ferns, smilax and asparagus as accessories. There were sixteen tables entered in the competition and these were arranged with more taste and skill than any previously shown. Three prizes were given: a copy of Scott's Manual valued at \$5 for first prize, cash prize of \$3 for the second, and \$2 for the third.

The first prize was awarded to Miss L. E. Bates of Kingston, the second to H. W. Levine of Roxbury and the third to Miss S. J. Strange of Marshfield. The first prize table was of Peter Pan chrysanthemums and smilax, the second a tall vase of four large Rose Pockett chrysanthemums set in a brass jardiniere filled with Peter Pan chrysanthemums and Whitman fern. The third prize table was a table of Miss Mary Pope chrysanthemums and smilax. Beside the varieties exhibited by the Agricultural College, A. N. Pierson, Inc., of Cromwell, Conn., sent several vases of chrysanthemums and



CHRYSANTHEMUMS AT THE GARFIELD PARK SHOW, CHICAGO.

a vase of Milady roses. C. H. Totty of Madison, N. J., sent a large number of single chrysanthemums and a vase of his new rose Mrs. Shawyer.

The past year has been the most successful in the history of the floricultural work at the college. Of the six men completing the work in June, two are with A. N. Pierson, Inc., Cromwell, Conn., one is in charge of a commercial range in Kingston, Mass., one is instructor in floriculture at the Pennsylvania State College, one with Thomas Galvin, Inc., Tremont Street Store, Boston, and one has returned to college for further work. A graduate of the department two years ago has just accepted an instructorship at Cornell. The present senior class numbers nine and the junior class sixteen. In addition, thirty-eight are taking the plant material course.

St. Pau Awards.

Supplementing the report of the St. Paul show in our last issue, we present herewith further details of the awards:

Decorative and blooming plants—Holm & Olson, St. Paul, Minn., fifteen firsts, six seconds, two thirds; L. S. Donaldson, Minneapolis, Minn., two firsts, three seconds, two thirds; Merriam Park Floral Co., two firsts, four seconds; L. L. May & Co., St. Paul, Minn., one first, three seconds, two thirds; Poehlmann Bros. Co., Chicago, one first, one third; F. W. Topel, St. Paul, Minn., one second; C. C. Pollworth, Milwaukee, Wis., one second; A. Zachmann, St. Paul, Minn., one second; Henry J. Puvogel, St. Paul, Minn., two thirds; A. F. Vogt, St. Paul, Minn., two thirds; A. W. Lemke, St. Paul, Minn., one third.

Chrysanthemum plants—Holm & Olson, nine firsts, seven seconds, one third; L. W. Hill, four firsts; L. L. May & Co., one first, one second, three thirds; Theo. Wirth, St. Paul, Minn., one first, one second; Vaughan's Seed Store, Chicago and New York, two seconds, two thirds; A. F. Vogt, one second, two thirds; Merriam Park Floral Co., one third; Warrendale Floral Co., St. Paul, one third.

Chrysanthemums, cut flowers—C. C. Pollworth, seven firsts, three seconds; Holm & Olson, four firsts, four seconds, four thirds; Elmer D. Smith & Co., three firsts, one second, one third; Lacrosse Floral Co., Lacrosse, Wis., one first, three seconds, three thirds; Warrendale Floral Co., one first, one second; Poehlmann Bros. Co., one first, one second; L. L. May Co., two seconds, two thirds; Holton & Hunkel, Milwaukee, Wis., two thirds; Merriam Park Floral Co., one third; West Side Floral Co., St. Paul, one third.

Basket of orchids—Holm & Olson, first; L. S. Donaldson, second; L. L. May & Co., third.

Bouquets—L. L. May & Co., two firsts; Swanson, the Florist, two seconds; Holm & Olson, two thirds.

Table decorations—L. L. May & Co., first; Holm & Olson, second; Miss H. B. Whitted, Minneapolis, Minn., third.

Photographic display—Winners were W. O. Washburn, C. E. Smith, W. G. White and A. H. Stern.

Roses—Poehlmann Bros. Co., four firsts, two seconds; Holton & Hunkel, one first, two seconds; N. C. Hansen, St. Paul, Minn., one first, one second; Holm & Olson, one first, two thirds; St. Paul Floral Co., St. Paul, Minn., one first, one third; Clinton Falls Nursery Co., Owatonna, Minn., one

first; L. L. May & Co., two seconds; Merriam Park Floral Co., one second, one third; A. N. Kinsman, one second, one third; O. R. Eckhardt & Co., St. Paul, Minn., one second; N. Nielson, Mankato, Minn., one second; C. H. Totty, Madison, N. J., certificate of merit; A. N. Pierson, Inc., Cromwell, Conn., certificate of merit.

Miscellaneous cut flowers—Holm & Olson, three firsts, two seconds; St. Paul Floral Co., one first, one third; A. Loeffler, Watertown, Wis., one first; Riverside Greenhouses, St. Paul, Minn., one first; Poehlmann Bros. Co., one first; Clinton Falls Nursery Co., one first; C. C. Pollworth Co., two seconds; A. F. Vogt, one second, one third; Swanson, the florist, one second, one third; L. L. May & Co., one second; O. R. Eckhardt & Co., two thirds; Warrendale Floral Co., one third.

Carnations—Chicago Carnation Co., Chicago, two firsts, two seconds, two certificates of merit; Poehlmann Bros. Co., one first, one second, two thirds; Nick Zweifel, North Milwaukee, Wis., one first, one second; A. W. Lemke, St. Paul, Minn., one first, one second; Riverside Greenhouse, one first, one second; L. Anderson & Co., one first, one third; Clinton Falls Nurseries, one second; Merriam Park Floral Co., one third; St. Paul Floral Co., one third; Henry J. Symonds, Decorah, Ia., two certificates of merit.

Sweepstakes for best six blooms chrysanthemums entered in four lots—Elmer D. Smith & Co., first.

Sweepstakes for next most meritorious exhibit—Holm & Olson, first; Merriam Park Floral Co., second.

Basket of chrysanthemums—L. L. May & Co., first; Holm & Olson, second; Swanson, the Florist, third.

General exhibit, St. Paul park commissioners, silver cup.

Special award—Minneapolis park board greenhouses, for bed of celosias.

MINOT, N. D.—Geo. E. Valke's new greenhouse is reported almost entirely destroyed by the heavy snow.

NASHVILLE, MICH.—John Means has built a greenhouse 60x70 feet. This is the only enterprise of the kind in this place. Mr. Means conducted a small hothouse very successfully during the past year.

ROCHESTER, N. Y.—The Lord & Burnham Co. have opened an office in the Granite building, on the corner of Main and St. Paul streets, this city, with H. E. Bates, formerly with the King Construction Co., in charge.

BEAVER DAM, WIS.—A. G. Boomer has purchased the greenhouses and retail business of Joseph Wagner who has been in the business here for thirty-seven years. Mr. Wagner retains his ownership of the seed store.

NEW ORLEANS, LA.—Richard Vincent, Jr., of White Marsh, Md., president of the Society of American Florists, gave his illustrated lecture on "Plants and Flowers of America and Europe" before the New Orleans Horticultural Society, November 9.

DAYTON, O.—J. W. Rodgers, formerly superintendent of parks at Cincinnati, has been selected general manager of the Miami Floral Co. to succeed Geo. Bartholomew, who has held that position for a number of years. Mr. Bartholomew has not arranged definite plans for the future, although it is understood that he has a number of positions of responsibility that are open to him.

OBITUARY.

The Late Henry Hession.

It sometimes happens in this busy bustling world that the passing away of a man who has done notable work in his particular field of endeavor receives but scant mention. This frequently happens in relation to men who have never sought publicity but have been content to pursue their chosen path in life, dealing justly with their fellow men but never appearing in the role of flatterers or courtiers.

Such a man was Henry Hession, who died at his home in Flatbush, Brooklyn, N. Y., October 9, 1912. Mr. Hession was born in Norwalk, Conn., about fifty-three years ago, his parents removing to New York when he was but a child. At the age of eighteen years he began work as a florist and followed it with unremitting endeavors and marked success until seized with the illness that ended his life. At one time, talking with the writer, as a friend talks to friend, he said, not in a boastful manner but casually: "There is nothing in this business that I have not done. I have sold flowers from a basket, I was a wholesaler and a retailer, but I gave all up to be a grower."

When he died Mr. Hession left a fine range at Flatbush of about 150,000 square feet of glass, besides a fortune of no mean size. We believe it is about fifteen years since he began to attract the attention of the trade as a grower. For a time he grew a variety of stock, but after a few years devoted his attention exclusively to carnations, with which he had great success. With an eye single to results, he was a close student of methods and was only satisfied with what he believed was the best.

At one time when he demolished some houses that he considered out of date and erected on a larger and more modern scale, another florist said of him: "Mr. Hession is tearing down better greenhouses than I can afford to build." He founded a flourishing retail business on Madison avenue, New York, which has long been and is yet managed by his brother, Edward Hession. He is survived by a wife and three children, Henry Hession, the oldest son, being now the manager of the range.

A. F. F.

Walter S. Nichol.

Walter S. Nichol, aged 60, died at his home at Barrington, R. I., November 12, as a result of paralysis. He was born in England but came to America with his parents when five years old. He had been a resident of Barrington for twenty years where he was well known as a florist. He was also a prominent member of a number of agricultural and horticultural societies. He is survived by three daughters, his wife having preceded him in death six years ago.

George F. Ditzenberger.

George F. Ditzenberger died November 11 in a Hackensack, N. J., hospital where he had been taken from his home at Woodcliff Lake. Mr. Ditzenberger was proprietor of the Woodcliff Floral Co., and his death was the result of a fall in his greenhouse and subsequent meningitis. He was but thirty-two years of age and apparently had a long life of usefulness before him. He is survived by a wife and one daughter.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 64 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	1021
—Azaleas.....	1021
—Cinerarias.....	1021
—Lily of the valley.....	1021
—Poinsettias.....	1022
The retail trade.....	1022
—The turkey in table decorations.....	1022
—Cretonne parasol for ballroom.....	1022
With the growers.....	1023
—Chas. H. Totty, Madison, N. J.....	1023
—Dreer's Riverton establishment.....	1023
Chrysanthemums.....	1024
—Stem and foliage.....	1024
—Some of the newer varieties.....	1024
The rose.....	1025
—Palmer exhibit lauded.....	1025
—Mrs. Charles Russell (illus.).....	1025
Heating dwelling.....	1026
The carnation.....	1026
—Carnation Princess Dagmar (illus.).....	1026
—Heating, syringing, fumigating.....	1026
Crested ferns.....	1027
The exhibitions.....	1028
—Ohio Horticultural Society (illus.).....	1028
—Westchester and Fairfield Hort. Society.....	1028
—Worcester County Hort. Society.....	1030
—Massachusetts Agricultural College.....	1030
Chrysanthemums at the Garfield Park Show (illus.).....	1030
St. Paul show awards.....	1031
Obituary.....	1031
—The late Henry Hession.....	1031
—Walter S. Nichol.....	1031
—George F. Ditzengerger.....	1031
Thanksgiving.....	1032
Chrysanthemum Society of America.....	1032
Philadelphia.....	1032
Chicago.....	1034
C. L. Washburn (illus.).....	1034
Florists' Club meeting.....	1042
Milwaukee.....	1042
St. Louis.....	1044
St. Louis Florists' Club.....	1044
Cincinnati.....	1045
Pittsburg.....	1046
Davenport, Ia.....	1047
Columbus.....	1048
New York.....	1050
Albany, N. Y.....	1050
Rochester, N. Y.....	1051
Buffalo.....	1052
Washington.....	1052
Boston.....	1052
San Francisco.....	1056
The seed trade.....	1058
—Parcels post.....	1058
—Bell complaint dismissed.....	1058
Market gardeners.....	1062
—Prices of indoor fruits and vegetables.....	1062
—Lettuce plants.....	1062
The nursery trade.....	1064
—Sludge for Canadian fruit growers.....	1064
—Plenty of Christmas trees.....	1064

THANKSGIVING.

On account of Thanksgiving, next week's issue will go to press Tuesday, November 26, one day earlier than usual and advertisers and correspondents will therefore favor us by mailing their copy as early as possible.

THE Luther Burbank is the latest edition to the list of societies.

RENEW subscriptions promptly so that no copies of the paper may be missed.

"LET us floral your winter parties" is the way the Beaumont Floral Co., Beaumont, Texas, puts it in an attractive announcement of its chrysanthemum season.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston — Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York — Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia — A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati — R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago—J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on each Saturday during November, the dates of which will be November 23 and 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Substance.....	15
Form.....	15	Size.....	10
Fullness.....	10		
Stem.....	15	Total.....	100
Foliage.....	15		
Exhibition.			
Color.....	15	Depth.....	15
Stem.....	5	Size.....	30
Foliage.....	5		
Fullness.....	15	Total.....	100
Form.....	15		
Single Varieties.			
Color.....	40	Stem and Foliage.....	20
Form.....	20		
Substance.....	20	Total.....	100
Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20		
Stem and Foliage.....	20	Total.....	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

REPORTS OF COMMITTEES.

Chicago, November 2.—Lucille Quinlan, yellow incurved, scored 85, commercial, exhibited by Elmer D. Smith, Adrian, Mich.

Cincinnati, O., November 2.—Elberon pink, Japanese incurved, scored 95, exhibition, exhibited by Elmer D. Smith & Co., Adrian, Mich.

Chicago, November 9.—Unnamed flesh color, large single, scored 85, exhibited by Wm. P. Longland, gardener to C. L. Hutchinson, Lake Geneva, Wis.

Chicago, November 16.—Golden Robin, yellow reflexed, scored 89, commercial;

Mary E. Meyer, white reflexed, scored 90, commercial; both exhibited by Elmer D. Smith & Co., Adrian, Mich.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

Philadelphia.

MARKET OVERSTOCKED.

With the chrysanthemums at their height, fuller crops of roses and carnations, quantities of violets and a full supply of other flowers, the market the past week was considerably overstocked. With a glutted market and a somewhat lighter demand prices receded considerably, but the business conditions were considered favorable for the season by men who are in the thick of things most of the time. American Beauties which for a time have sold up close were far more plentiful and really fine stock a trifle full was offered at reduced prices. All other roses with the exception of Mrs. Taft, Ward and Sunset were ahead of the demand. The entire stock of Mrs. Taft was captured by one retail house for a time, whether to get stock or make a "run" with it is not known. Carnations are selling better. The quality leaves nothing to be desired except possibly a little longer stem. As last season the Wards are leaders with white and pink Enchantress and Delight a good second. Cattleyas command top prices. There are plenty of good gardenias, which are in fair demand. Violets are plentiful and of excellent quality, both single and double. They seem to be able to hold themselves in popular favor with the cattleya and gardenia as a corsage flower. The past week might be christened Bonnaffon week, as this variety is now at its height and it was seen in quantity everywhere and had a field day Saturday when thousands were sold to be worn at the Princeton-Yale football game. Quantities of violets were also sold to the Yale contingent.

NOTES.

The trade is not done talking about the exhibition of the Pennsylvania Horticultural Society. The committee on decorations held a meeting last week to wind up the business and all felt that the fine results obtained warranted the effort it had cost them in money and time. They promise to make redoubled efforts for next season.

The publicity committee of the Florists' Club held an adjourned meeting last Thursday afternoon and considerable progress was made. Other meetings will be held and a definite plan of action will be presented at the next meeting of the club.

Red ruscas, red sago palms, red cape flowers, ready for instant shipment for the early Christmas orders, are the features at M. Rice & Co.'s busy supply house. Every department is working overtime to keep up with the orders.

The H. A. Dreer Co. is growing its table ferns in 2½-inch pots and giving them room to develop. The small ball of earth is much better for filling dishes than that from a three-inch pot.

Something very choice in violets was seen at the Berger Bros. central market, the past week. Select Chadwick chrysanthemums were also a feature.

The American Beauty rose is the leader with the Leo. Niessen Co. They handle them in quantity and of a quality unsurpassed.

The first good mignonette of the season was seen last week. It is a welcome addition to the market's assortment.

The public free chrysanthemum exhibition in Fairmount park, where quantities of plants are massed, is immensely popular with the public and is visited by thousands during the week and tens of thousands on Sundays, when the guards find it very difficult to handle the huge crowds. Xavier Schmidt is to be complimented on the general excellence of the plants and their grouping.

Godfrey Aschmann is having a great run on ferns and araucarias. Now that the election is over he finds that his customers appear to have no fear for the future and are ordering liberally for the holiday trade.

The Robert Craig Co. is already beginning to set aside stock of cyclamen for future delivery. The quality of the plants is very fine. Begonias and poinsettias are also a feature.

Pappas, at his Broad street station stands, had a fine day with chrysanthemums and violets last Saturday on account of the Princeton-Yale football game.

Ed Reid filled several large out-of-town orders the past week. American Beauty roses and high grade chrysanthemums are now features.

K.

Meetings Next Week.

Baltimore, Md., November 25, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cleveland, O., November 25, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Lake Forest, Ill., November 27, 8 p. m.—Horticultural Society of Lake Forest, Council Chamber, City hall.

Toledo, O., November 27.—Toledo Florists' Club.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage. etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted—High-class, artistic designer, salesman and store manager, is open for a permanent engagement. State salary and full particulars. GEO. E. LINDEMAN, Norwichtown, Conn.

Help Wanted—Seedsman with experience to canvas market garden trade. Give reference and salary expected, with first letter.

THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Party thoroughly up in Hardy Perennials as to propagation, etc. Give full particulars as to experience, age, salary expected, etc., in first letter. A good steady position for the right man. Address,

Key 722, care American Florist.

For Sale—Retail store in city of 16,000. Bargain. For full particulars address,

Key 725, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—1 Morehead Steam Trap, almost new, \$65.00 cash. JOS. MILLIGAN & SON, 1044 Clydesdale Ave., Salt Lake City, Utah.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

For Sale—Modern vegetable greenhouse, three years old, 5000 ft. under glass. Hot water system, private water plant, 15 minutes drive to city market. All in bearing crop, 4 lots corner, good dwelling. Reason for selling, poor health. Address, OWNER, 999 Decatur St., Denver, Colo.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years.

Key 730, care American Florist.

For Sale—Greenhouse Plant, three houses, 2500 feet of glass well filled with a full line of bedding plants; some outside stock. Good six-room house, out houses, city water, etc. Lot 63 feet by 376 feet, for \$4,000. Can vacate any time. Apply to,

P. O. Box 586, CAPITAL CITY NURSERY, Atlanta, Ga.

Wanted—Man for general greenhouse work. Must be able to propagate shrubs, perennials, roses. State wages and give new references. Address, Key 733, care American Florist.

Wanted—Greenhouse man, single; experienced in growing of roses, carnations, mums, palms, etc., and be capable of taking charge of greenhouses. References required. Address,

Key 732, care American Florist.

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

Private Gardener.

Man for general work on small place or places in or near Chicago, is now open to engagement. Address

Key 734, care American Florist.

For Sale.

3 60x16 Tubular Boilers, \$100 each. Phone Main 4219.

ABLE TRANSFER CO.,
147 N. Market St., CHICAGO.

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,

KEY 726, care American Florist.

SITUATION WANTED.

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.



Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

CITY OF REGINA, SASKATCHEWAN, CANADA.

Applications for the position of City Parks Superintendent will be received by the City Commissioners up to January 1, 1913; applicants to state experience and give reference.

G. A. MANTLE,
L. A. THORNTON,
City Commissioners.

FOR SALE.

Greenhouse, Barn and Dwelling House in Auburn, N. Y., on street car line. Lot 200 feet front by 400 feet deep. Greenhouse full of stock. Also horse, wagons, tools and implements. Cost \$16,000. Will sell for \$8,000, half cash.

M. V. AUSTIN, Jr.,

Trustee in Bankruptcy.

79 Genesee St., AUBURN, N. Y.

FOR SALE.

At a bargain, an up-to-date florist place consisting of four greenhouses; about 8000 feet of glass; well stocked with carnations, mums and a general line of potted plants to meet the requirements of a retail florist. Dwelling house with all modern improvements and four acres of first-class land. This is a money maker and will be sold on reasonable terms. For particulars address

Key 718 care American Florist.

BOILERS FOR SALE

ATTENTION

Large Florists, Greenhousemen or Manufacturers!

Three Slightly Used Mercer Cast-Iron, Header Type, Sectional Heating Boilers

For either steam or hot water.

1 9-Section No. 27 Mercer, Grate 27x48 inches. Manufacturers rating for steam 2125 square feet, water 3500 square feet.

2 15-Section No. 36 Mercers, Grates 36x84 inches, manufacturers rating for steam 5550 square feet, water 9150 square feet.

All cast-iron parts as good as new, all bolts and nipples will be furnished new; any kind of fuel can be used. Inquire of

LeValley, McLeod & Co.

165 Lake St., Elmira, N. Y.

Immediate Delivery.

A HOLLY WREATH

Red and Green

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color \$1.50. The large size, one color, \$2.70.

Cash with order.

American Florist Co.

440 S. Dearborn St. CHICAGO.

Strong on Mums

Our supply of Mums is a record breaker and includes all the old favorites besides many new ones. Everything from the little pompon to the large exhibition blooms. **Red Winter Berries**, \$3.00 per case. **Roses, Carnations, Beauties, Orchids, Violets, Valley, Lilies and Greens** of all kinds.

Remember we want your order, large or small.

THANKSGIVING PRICE LIST:

American Beauties.		Per doz.	Miscellaneous.		Per 100
Special, long.....		\$ 6 00	Orchids.....per doz.,	\$7 50 to \$9 00	
36 to 40-inch.....		5 00	Mums.....	1 50 to 4 00	
24 to 30-inch.....	\$ 3 00 to	4 00	" Pompons.....bch.,	35 to 50	
18 to 20-inch.....		2 50	Easter Lilies.....	12 50 to 15 00	
12 to 15-inch.....	\$ 1 50 to	2 00	Valley.....	3 00 to 4 00	
Roses.		Per 100	Adiantum.....	75 to 1 50	
Richmonds.....	\$ 4 00 to \$10 00		Asparagus Strings.....	each, 60c to 75c	
Killarney, white, pink.....	4 00 to 10 00		Asparagus Bunches.....	" 25c to 50c	
My Maryland.....	4 00 to 10 00		Sprengeri Bunches.....	" 25c to 50c	
Roses, our selection.....	4 00		Smilax.....per doz.,	\$1 50 to \$2 00	
CARNATIONS , common.....	2 00 to 3 00		Galax green.....per 1,000	1 25	
" fancy.....	4 00 to 5 00		" bronze.....	1 00	
			Ferns.....per 1000,	1 50 to 2 00	20
			Boxwood.....50 lb. cases,	7 50	
			Wild Smilax.....large	5 00	

Subject to change without notice. Store open 7.30 a. m. to 6 p. m. Sundays and holidays close at noon.

A. L. VAUGHAN & CO.,

(NOT INC.)

161 N. Wabash Ave., CHICAGO

PHONES Central 2571-2572 Automatic 48-734

Chicago.

AMERICAN BEAUTY ROSES STILL SCARCE.

American Beauty roses are having a very good call but the supply is short and many of the dealers are finding it impossible to fill all their orders. The quality of the stock now arriving in this market is fine and one prominent grower states that he has never before seen this flower so good at this season of the year as it is at present. The other roses that are now coming in are also of good quality but the demand for them is none too brisk. Killarney and White Killarney are fine and Richmond has assumed mid-winter form. Mrs. Aaron Ward, Sunburst and Prince De Bulgarie are in brisk demand and are sold immediately upon arrival. Carnations have had a good call, with the better grades selling at good prices. Chrysanthemums are in large supply everywhere and have been sold in large lots at low prices during the past week. W. H. Chadwick, Golden Chadwick, Timothy Eaton, Yellow Eaton, Major Bonaffon, White Bonaffon, Dr. Enguehard, Nagoya and Golden Eagle are seen in the market now besides many other varieties. Pompons and anemones are also to be had in large quantities. Violets are a little better in quality. Sweet peas are in larger supply and Paper White narcissi are plentiful. Stevia is offered freely and is used in large quantities. Mignonette and snapdragons in white and pink are staple goods. Home-grown gardenias are in larger supply but orchids are none too plentiful. Business picked up considerably the latter part of last week and Saturday was a fairly good day. The opening of the week found trade still good with the supply of chrysanthemums much smaller. Golden Wedding is now coming in and chrysanthemums in general are selling much better.

The weather is very favorable now and trade should show a great increase. New galax is arriving and the supply of greens is plentiful.



C. L. Washburn.

With Bassett & Washburn's Favorite Chrysanthemum, Timothy Eaton.

LOOP STORES.

The loop flower stores are putting on a holiday appearance, with chrysanthemums and other fall flowers.

At Mangel's Palmer House Shop the windows have been arranged with Geo. W. Child chrysanthemums and beautiful baskets filled with Aaron Ward

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

and Sunrise roses. His colonial bouquets are very artistic and make an added attraction to the window. The window in the hotel lobby represents a barnyard scene with a live hen and eleven ducklings.

A. Lange's store on Madison street was decorated with wild smilax and his window contained all of the choicest flowers that may be had at this season of the year. It attracted a great deal of attention.

The Bohannon Floral Co. and Canger & Gormley both had beautiful windows arranged with orchids, violets and Lorraine begonia plants.

The Alpha Floral Co.'s window at Adams street and Wabash avenue was

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Thanksgiving Comes But Once a Year

So let's have good cheer obtainable through the use of

Poehlmann Bros. Co. Flowers.

They Stand for all that quality signifies.

Boxwood, Smilax, Galax, Leucothoe, Mexican Ivy, Sprengeri, Plumosus, Adiantum, Wild Smilax, Valley, Violets, Orchids, Mums, Pompons, White and Pink Killarney, Richmonds, Bulgarie, Aaron Wards, Am. Beauties, Mrs. Taft Roses, Chrysanthemums, Carnations, Glenco Double Violets, Home Grown.

Good Supply, Good Quality Short and Medium Stem Roses.

CHRYSANTHEMUMS, - Per 100, \$8.00, \$10.00, \$12.00, \$16.00, \$20.00, \$25.00
Extra Large Specimens, per dozen, \$4.00.

THANKSGIVING PRICE LIST

Subject To Change
Without Notice.In Effect
Nov. 23rd, 1912.

AMERICAN BEAUTIES		Per Doz.	LADY HILLINGDON.		Per 100	CARNATIONS		Per 100
Specials.....		\$6.00	Long.....		\$ 8.00	.....	\$3.00, \$4.00 and \$5.00	
36-inch.....		5.00	Medium.....		6.00	VIOLETS, Princess of Wales.....	\$1.00 to 1.50	
30-inch.....		4.00	Short.....		4.00	Double.....	1.00 to 1.50	
24-inch.....		3.00	RICHMOND.			ORCHIDS, White Dendrobium, doz.	\$6.00	
20-inch.....		2.00	Long.....		8.00	CATTLEYAS.....	per doz., \$6.00 to 7.50	
Short stem.....	per 100, \$10.00 to 12.00		Medium.....		6.00	EASTER LILIES.....	12.00	
PRINCE DE BULGARIE, Antoine Rivoire or			Good short.....		4.00	VALLEY.....	\$3.00, \$4.00 and 5.00	
Mrs. Taft.			KILLARNEY.			ADIANTUM CROWEANUM.....	1.00	
Long.....		\$10.00	Long.....		8.00	MEXICAN IVY.....	per 1000, \$5.00	.60
Medium.....		8.00	Medium.....		6.00	SMILAX.....	\$12.00 to 16.00	
Short.....		4.00 to 6.00	Good short.....		4.00	SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00	
MELODY, long.....	8.00 to 10.00		WHITE KILLARNEY.			STEVIA.....	2.00	
Medium.....		6.00	Long.....		8.00	PLUMOSUS STRINGS, extra long and		
Short.....		4.00	Medium.....		6.00	heavy.....	each, .60	
MRS. AARON WARD.			Good short.....		4.00	FERNS.....	per 1,000, 2.00	
Long.....		10.00	POMPONS, all colors.....		Per Bunch	GALAX.....	per 1,000, 1.25	
Medium.....		8.00			35c, 50c	LEUCOTHOE.....	per 100, .75	
Short.....		4.00 to 6.00						
Extra special Roses, charged accordingly.								

The high quality of every one of our exhibits was remarked by all the trade visitors. It proved that the **Poehlmann Bros. Co.** not only has held the pre-eminent position won at the previous exhibitions, but has this season surpassed itself in the quality of the stock and beaten its own best record. We can supply the exhibition grade of stock to all who order it, and are cutting heavily of all lengths of stem for Thanksgiving.

Send Us Your Orders and You Will Be Handling

THE BEST CUT FLOWERS IN AMERICA.

"The Busiest House in Chicago"

**IS PREPARED
To Fill All Your
Thanksgiving Orders**

— FOR —

MUMS



JOHN B. DEAMUD.



WILDER S. DEAMUD.

Everything in good supply and at prices that are right

THANKSGIVING PRICE LIST:

AMERICAN BEAUTIES.

	Per doz
Special, long.....	\$ 5 00
36-inch.....	4 00
24 to 30 inch.....	3 00
18 to 24 inch.....	2 50
15 to 18-inch.....	2 00
12 to 15-inch.....	1 50
8 to 12 inch.....	75 to 1 00

ROSES.

	Per 100
Richmonds.....	\$3 00 to \$ 8 00
Killarney, white, pink.....	3 00 to 8 00

My Maryland.....	Per 100 3 00 to 8 00
Roses, our selection.....	4 00
Extra long, fancy.....	10 00

MISCELLANEOUS.

Carnations, common.....	\$1 50 to \$ 2 00
fancy.....	3 00 to 4 00
Mums, per doz.....	\$1 50 to \$3 00
Pompons, bch., 50 to 75	
Orchids, per doz., 6 00 to 7 50	
Easter Lilies.....	10 00 to 12 50
Valley.....	3 00 to 4 00

Red Berries.....	Per case, \$2.00	Per 100 .75
Adiantum.....		1 00
Chicago Grown Double Violets.....		75
N. Y. Asparagus Strings.....	each, 60c to 75c	
Bunches.....	25c to 50c	
Sprenger Bunches.....	each, 25c to 50c	
Smilax.....	per doz., \$1 50	
Galax, green.....	per 1000, 1 00	
bronze.....	1 00	
Ferns.....	" 2 00	
Boxwood.....	50 lb. cases 7 50	
Wild Smilax.....	per case, 5 00	

Subject to change without notice. Store open 7.30 a. m. to 6 p. m. Sundays and holidays close at noon.

J. B. Deamud Co.

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago

well filled with an unusual assortment of pompon chrysanthemums.

Rowe's shop on Monroe street also had an attractive window arranged with chrysanthemum plants.

NOTES.

The Cook County Florists' Association will give its first dance and reception at the Bush Temple hall on Wednesday evening, December 4. Its bowling league has entered three two-men teams and six individuals in the city tournament which opens at Bensinger's West Randolph street alleys on November 30. A meeting of the association will be held at the Tavern, West Washington street, on November 21.

Pochlmann Bros. Co. has been winning a large number of prizes at the fall shows and the quality of the stock that it will offer its customers for Thanksgiving will be the same as that which occupied the exhibition tables. The supply department has made up six different assortments of goods for the retail store and a perforated circular describing each lot is now being mailed to the trade.

Geo. Weinhoeber says that the Fleischmann Floral Co. had three large weddings in Memphis, Tenn., this week that called for a large supply of stock. Besides the table flowers the orders consisted of 50 corsages of orchids and violets.

Tim Matchen says that business is pretty good at Peter Reinberg's store and that both the local and shipping trade is showing a great improvement.



Place Your
Thanksgiving Order
— For —

MUMS

and other cut flowers
with me. My stock is
of extra fine quality
and my prices are right.

Give me a trial order now.

D. E. Freres

WHOLESALE FLORIST

162 N. Wabash Ave., - CHICAGO

The supply of stock at Reinberg's store is large and the roses look especially fine.

Allen Gerling, formerly with E. H. Hunt, is now in charge of the Union News Co.'s flower stand in the La Salle street station.

The E. F. Winterson Co. had some very fine show chrysanthemums at the store this week that attracted a great deal of attention.

Elmer Sigwald of Arlington Heights is rejoicing over the arrival of a baby girl.

'MUMS

**Largest Crops in the West and Just Right
For Thanksgiving**

Orders now being booked. Get yours in early. All the Leading Varieties in large quantities. Per Doz.: Special, \$3.00; Fancy, \$2:50; Medium, \$1.50. Small, per 100, \$8.00.

BEAUTIES

White and Pink Killarney-Richmond-Jardine and My Maryland Roses
IN GOOD SUPPLY. QUALITY A1.

We Have All the
Standard and
Best New

CARNATIONS

And Can Supply
the Best Grade
in Quantity.

Thanksgiving Price List--

Subject to change
without notice.

BEAUTIES

	Per doz.
Extra Select	\$5 00
36-inch stem	4 00
30-inch stem.....	3 50
24-inch stem.....	2 50
20-inch stem.....	2 00
15-inch stem.....	1 50

Per 100

CARNATIONS, fancy.....	\$ 4 00 to \$ 5 00
" medium.....	3 00 to 3 50
" short.....	2 50

Easter Lilies, medium.....	10 00 to 12 00
Sprengerl and Asparagus Sprays, per bunch,	50c

Killarney.....	SELECT, \$8.00 per 100
White Killarney	FANCY, 6.00 per 100
Mrs. Jardine.....	MEDIUM, 4.00 per 100
Richmond	SHORT, 3 00 per 100
Maryland	

Chrysanthemums, Small.....	per 100, \$8 00
" Medium.....	per doz., 1 50
" Fancy.....	per doz., 2 50
" Special	per doz., 3 00

Pompons	50c to \$1 00 per bunch,
Valley	per 100, 3 00 to 4 00
Ferns.....	per 1000, 1 50

All Green Goods at market rates.

ROSES, our Selection, \$3.50 per 100

WIETOR BROS.

162 N. Wabash Ave.,

L. D. Phone,
Randolph 2081.

CHICAGO

ROSES

MUMS AND CARNATIONS

**BIGGEST CROPS EVER
ORDER OF US**

AND WE WILL FIX YOU UP RIGHT. WRITE NOW.

We are particularly strong on stock for Thanksgiving, so come to us.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

A visit to Wietor Bros.' large range of greenhouses on Devon avenue on November 17 found the stock in all the houses in excellent condition and promising large cuts for the holidays. Very few of the chrysanthemums have been cut but the majority of them, especially Lynwood Hall, Dr. Enguehard, Maud Dean, Golden Eagle and several other late varieties will be ready for Thanksgiving. The carnations are in splendid shape and while the cut will be good for next week the majority will not be ready until the holidays when they will be most needed. The same can be said of the roses, only one can not speak too highly of the quality for it will be far better than last Christmas when it was exceptionally fine. Killarney, White Killarney, Richmond, Mrs. Jardine, My Maryland and Sunburst are certainly at their best, but the American Beauties are in magnificent condition. One could not help but agree with N. J. Wietor as he escorts one through the houses that big cuts are due for the holidays, for the plants are already setting buds and average about four to each plant. It seems that Mr. Wietor knows where every bud is for he can show them to you at a glance, and unless some unforeseen accident occurs this firm will have the largest supply of stock for the holidays that it has ever had in its history. More could be said of the stock in Wietor Bros.' greenhouses but a visit to their establishment now would give one a far better idea of the splendid shape that the stock is in than a pen could describe. Last year when this establishment was visited, it was a favorite trotter that we enjoyed a ride behind, but this year it was N. J.'s splendid new Haynes touring car. Henry Wietor and H. E. Griffin were also present on our visit, which was indeed a pleasant one.

The Chicago Carnation Co. won 12 prizes out of 13 entries at the flower show at Cleveland last week when its new scarlet carnation, "The Herald," again won first prize over all reds in the 100 class. This carnation is said to be a wonder and nearly all of the florists who have seen it growing have placed their orders for cuttings for January 1 delivery.

Bassett & Washburn are featuring an excellent grade of Timothy Eaton and Yellow Eaton chrysanthemums at their store at present. The stock is certainly fine and C. L. Washburn says that a great many people visited his firm's establishment at Hinsdale on November 17 to admire the stock.

J. A. Budlong is cutting from a fine crop of American Beauty roses and the lily of the valley also seems to hold up well. This firm seems to be having great success in growing Prince De Bulgarie for the roses seen at the store now are unusually fine.

Peter Reinberg and Frank Evert have returned from a hunting trip in Dupont with the report that quail are not quite as plentiful there as they used to be. Mr. Reinberg says that his party had a good time and got their share of game.

The J. B. Deamud Co. expects to have a large supply of chrysanthemums for Thanksgiving, for one of its growers writes that his Major Bonaffon, White Bonaffon, Timothy Eaton, Yellow Eaton and Dr. Enguehard will be ready for cutting then.

Percy Jones' help in the cut flower department is busy shipping Major Bonaffon and White Bonaffon chrysanthemums while the help in the supply department is making up ruscus wreaths for the holiday trade.

The E. C. Amling Co. is now showing fine Golden Wedding chrysanthemums.

A BIG SUPPLY OF

MUMS

For Thanksgiving.

— ALSO —

Carnations, Roses,
VIOLETS, VALLEY,
and all kinds of Greens.

WRITE FOR PRICES.

M. C. GUNTERBERG
82-86 E. Randolph St., CHICAGO.

Mention the American Florist when writing

**U S E Budlong's
Blue Ribbon Valley.**

Wm. Lubliner of Lubliner & Trinz has gone to Toledo, Ohio, to engage in business for himself.

For Thanksgiving

We will have large crops of

BEAUTIES

ROSES

And Carnations

Our cut in general will be very large and will include all the desirable grades, long, medium and short.

Can Supply in Quantity

Specially Fine Richmond, Killarney, White Killarney.

We have not been cutting very heavily lately but all our crops with the exception of Richmond roses are just coming in, so we will be able to supply you with all the stock you need for Thanksgiving. Order liberally of Richmond also for we will have plenty of all grades to go around. Let us have your order as early as possible and be sure to include Beauties and Carnations.

Thanksgiving Price List.

Subject to Change
Without Notice.

AMERICAN BEAUTIES

	Per doz.
Extra Fancy Beauties	\$5 00
36-inch stems.....	4 00
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
15-inch stems	1 50
12-inch stems.....	1 00

Richmond.....		Per 100
Killarney.....	Extra select	\$10 00
White Killarney.....	Select.....	8 00
My Maryland.....	Medium.....	\$4 00 to 6 00

Sunrise	Extra select.....	Per 100
Mrs. Aaron Ward.....	Medium.....	\$6 00 to 8 00
Melody.....	Short.....	4 00 to 6 00
Roses, our selection.....		3 00
Chrysanthemums.....	doz., \$2 00 to \$3 00	
Extra Fancy.....	doz.,	4 00
Harrisii.....	doz., \$1 25 to \$1 50	
Carnations	per 100,	3 00 to 4 00
Valley.....	per 100,	3 00 to 4 00
Adiantum		1 00
Asparagus, per bunch.....		50
Ferns, per 1000.....		2 00

Peter Reinberg

30 E. Randolph St.,

L. D. PHONE
CENTRAL 2846.

Chicago

We Not Only Want Your Business For Thanksgiving But for the Balance of the Year as Well.

We are receiving a large supply of all kinds of seasonable stock and are particularly strong on the following:

Roses-Carnations-Mums

THANKSGIVING PRICE LIST

Prices Subject to Change Without Notice.

BEAUTIES		Per doz.			Per 100
Long.....		\$5 00	Buglarie, special.....	8 00 to 15 00	
36-in. stems.....		4 00	Special Fancy Roses billed accordingly.		
24 to 30-in. stems.....	\$2 50 to 3 00		Chrysanthemums, small.....	\$8 00 to \$10 00	
15 to 18-in. stems.....	1 50 to 2 00		“ medium.....	1 50 to 2 00	
12-in. stems.....	1 00 to 1 25		“ large.....	2 50 to 3 00	
ROSES		Per 100	Pompons.....	35c to 50c per bunch	
Killarney.....	4 00 to 8 00		Carnations, good.....	2 00	
My Maryland.....	4 00 to 8 00		“ fancy.....	3 00 to 4 00	
White Killarney.....	4 00 to 8 00		Harrisii.....	10 00 to 12 50	
Sunburst.....	8 00 to 15 00		Paper Whites.....	3 00 to 4 00	
Aaron Ward.....	8 00 to 15 00		Stevia.....	2 00	
Richmond.....	\$4 00 to \$8 00		Sweet Peas.....	75 to 1 00	
			Valley.....	\$3 00 to \$4 00	
			Violets, double or single.....	75 to 1 00	
			Adiantum.....	per 100, 75 to 1 00	
			Plumous strings.....	each, 60 to 75	
			Plumous bunches.....	“ 50 to 75	
			Sprenger bunches.....	“ 25 to 50	
			Fancy Ferns.....	per 1000, 2 00	
			Galax.....	1 00	
			Leucothoe.....	per 100, 75	
			Smilax.....	per doz., 1 50	
			Southern Wild Smilax, large case,	5 00	
			“ small case,	3 00	

Home Grown Gardenias, \$3.00 to \$4.00 per 100.

JOHN KRUCHTEN,

162 N. WABASH AVE.

L. D. Phone Central 6269.

CHICAGO, ILL.

At John Kruchten's store home-grown gardenias are having a good call and the proprietor states that the supply is much larger at present than it has been for some time. This flower is becoming popular especially with the local trade and it is very seldom that there is a surplus of home-grown stock.

Thos. B. Wilson, foreman for A. B. Dick under Jack Tiplady at Lake Forest, has accepted a position as head gardener for A. Monell of Tuxedo Park, N. Y. Mr. Wilson was at one time with Vaughan's Seed Store and later with A. Henderson & Co.

S. Klemm of Hammond, Ind., who recently underwent an operation in a local hospital for gallstones, is able to be about again. He called on his friend, W. E. Lynch of A. L. Vaughan & Co.'s store last week when he seemed to be in great spirits.

Frank Kral had a large decoration at the Auditorium last week when Father Kolbeck of one of the local parishes celebrated his silver jubilee. The tables were neatly arranged with carnations and chrysanthemums in Mr. Kral's artistic style.

Zech & Mann's single violets are fine and John Zech says that they are the best that his firm has had all season. The double violets are also good and the stock in general seems to be up to its usual high quality.

A. L. Vaughan & Co.'s shipments of cut flowers now include a large supply of fancy sweet peas which are having a good sale. Wm. Timme is again in the employ of this firm.

S. Selgman, representing Wertheimer Brothers, New York, is in the city again this week. Some of "Sprinkleproof Sam's" friends are noticing that his visits are now becoming more frequent.

E. E. Pieser says trade at Kennicott Bros. Co.'s store is much better this week. Miller Bros. are shipping some

good chrysanthemums in to this house and Major Bonaffon seems to predominate.

J. F. Kidwell says that the stock sells up well at the Chicago Flower Growers' Association's store and that business is as good as can be expected. Mr. Kidwell is troubled with eczema.

Hoerber Bros.' roses will be in fine crop for Thanksgiving, especially Killarney and White Killarney. This firm has had a good call for their chrysanthemums all this week.

A. T. Pyfer, E. F. Kurowski, H. E. Philpott, Adolph Poehlmann and Dick Solms attended the flower show given by the Ohio Horticultural Society at Cleveland last week.

L. Hoeckner is selling clean newspapers for shipping boxes as a side line and has nearly every local wholesaler on his list as a customer.

George Reinberg has been showing some fine Nagoya chrysanthemums all this week in addition to fancy American Beauty roses.

Nick Spireopolis, Peter Propps and James Moller have opened another store in the basement at 112 South Wabash avenue.

Martin Reukauf, with H. Bayersdorfer & Co., Philadelphia, Pa., is in town this week calling on the trade.

At Kyle & Foerster's store the stock is arriving in fine shape with chrysanthemums the chief offering.

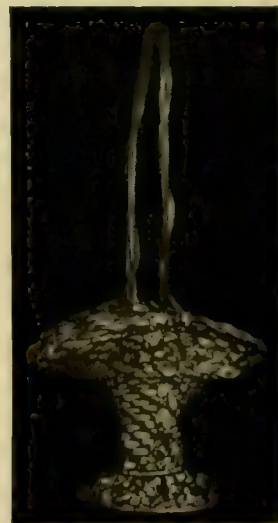
Irving Freedman, of the Lubliner & Trinz force, went to the hospital for a second operation this week.

The A. L. Randall Co.'s salesmen are sending in some fine orders for supplies for the holiday trade.

Joe Beaver has the decorations for the land show which opens at the Coliseum on November 23.

John Stuppy, with the Stuppy Floral Co. of St. Joseph, Mo., was a welcome visitor here this week.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

CHRYSANTHEMUMS POMPONS

All sizes and colors. Our fancy single Pompoms make a larger display than Carnations and sell at lower prices; sprays of from four to five flowers sell at three to five cents each. These sprays are in great demand for the Thanksgiving trade. They keep in good condition for a long time.

We are Growers

We Grow all the Stock we Sell and
Guarantee it to be Absolutely Fresh.

OUR SPECIALTIES:

BEAUTIES, ROSES, VALLEY, CARNATIONS, LILIES.

PRICE LIST:

In Effect November 27.

AMERICAN BEAUTIES

Per doz.

Extra long	\$5 00
36-inch	4 00
24-inch to 30-inch	\$ 2 50 to 3 00
18-inch	2 00
12-inch	1 50

**Rhea Reid, Richmond, Killarney, White
Killarney.**

Extra long	\$8 00 to \$10 00 per 100
Medium length	6 00 per 100
Good short length	4 00 per 100
Mrs. Aaron Ward	6 00 to 15 00 per 100

CARNATIONS.

Per 100

Good White, Pink and Red	\$4 00
--------------------------------	--------

CHRYSANTHEMUMS.

Extra large and fancy	per doz., \$3 00
Good medium	per doz., 2 00
Fancy Single Pompoms, all colors	per bunch, 35 to 50
HARRISII LILIES	per doz., \$1 50
" "	per 100, 10 00
Paper White Narcissus	per 100, 4 00
Lily of the Valley	3 00 to 4 00
Asparagus Sprays	3 00 to 4 00
Sprenger	2 00 to 3 00
Ferns, Eastern	per 1000, \$2 00
Smilax	per doz., 2 00
Adiantum	per 100, 1 00
Galax, Green or Bronze	per 1000, 1 00

ROSES, our selection, \$4.00 per 100

Buy Direct From the Grower and Get Fresh Stock.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

USE Budlong's Blue Ribbon Valley.

M. Rice & Co.,

Leading Florists' Supply House
and Ribbon Specialists.

1220 Race Street

OUR WILLING HELPER WILL CONVINCE YOU.

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA

"EVERGREENS"

Boxwood, any quantity of fine quality,
per lb., \$0.15; if cash with order... per lb., \$0.13
Berried Holly... per case, 2.50
Log Moss... per lb., 0.02
Please state size or length of Holly and Boxwood
wanted. Please send cash with all orders.

W. C. McMILLAN, R. No. 4, Cosby, Tenn.

EVERGREENS.

Arbor Vitae Clippings, 5 to 12 inches long, put
up in a neat case, net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long; per case \$2.00.

White Pine Clippings, 5 to 12 inches long, put
up in a neat case. Net weight 110 pounds. Size of
case, 18 by 18 inches by 4 feet long. Per case \$2.00.

CHAS. F. UECKE, NEW LONDON, WIS.

FANCY HOLLY

\$3.00 per case.

Cash or satisfactory reference with first order.

W. Z. Purnell, Snow Hill, Md.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet **MOSSSES**

E. A. BEAVEN, Evergreen, Ala.

HOLLY Have 9 years' experience packing
holly in cases, 2x2x4. Parties want-
ing good quality Virginia Holly can have their
wants supplied by writing

T. J. Eubank, Brown's Store, Va.

THE MEYER GREEN SILKALINE



THE LOWELL THREAD MILLS.

The BEST Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this
Strong, Smooth Thread. For more than
a quarter of a century a Prime Favorite
with Growers and Florists.

Manufactured By—

JOHN C. MEYER & CO.
LOWELL, MASS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green... \$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales... \$1.50
Wild Smilax, always on hand... 50 pound case, \$5.00
Leucothoe Sprays, Green... \$1.00 per 100; \$7.50 per 1000
Boxwood... per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags... \$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop)... 50c per 1000, \$4.00 per case (10,000)
Green Galax... 40c per 1000, \$3.50 per case (10,000)
Dagger Fern... 70c per 1000, 3.25 per case (5,000)
Fancy Fern... 65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long)... \$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short)... 1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves... 50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST
REFERENCES. **BANNERS ELK, N. C.**

DESERT HOLLY

Something New for
Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white
waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its
beauty. 50c and \$1.00. Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.

Crates 2x2x2½ feet, F. O. B. Amargosa, \$5.00. Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY, MILFORD, N. H.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Delaware Holly

Heavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case.

14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN, Felton, Del.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga

A COMPLETE LINE

Of Stock for Thanksgiving.

Large supply of **Beauties, Roses, Carnations, Valley, Single and Double Violets, Chrysanthemums, Pompons, Leucothoe and Greens** of all kinds. We treat our customers right and take the same care with a small order as we do with a large one. We are filling them both with stock of fine quality and the care taken in packing and shipping at just the right time insures its safe arrival and in the best possible condition. Repeat orders prove this, and while we are anxious to obtain new customers, the approval of our old ones is even more appreciated. We give personal attention to all orders.

Let us get better acquainted.

ZECH & MANN, Wholesale Florists,
Long Distance Phone, Central 3284,
162 N. Wabash Ave. **Chicago**

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Gust. Rusch & Co. report business fine both in the city and shipping trade. This firm has added several new growers to its list, which gives it a better opportunity to fill orders for its rapidly increasing business.

The Edlefsen-Leidiger Co. reports business good. This firm is a heavy chrysanthemum buyer and is handling an excellent line of blooming plants.

The Holton & Hunkel Co. is cutting some fine pompon chrysanthemums which find ready sale. They are also cutting good Killarney roses.

C. Dalwig, of the Dalwig Seed Co., says the bulb trade was excellent and this was due to the fine weather we have been having. G. R.

St. Louis.

CHRYSANTHEMUM PRICES LOW.

Chrysanthemums have been very abundant and prices very low. American Beauty roses are in fair supply but not a glut. Violets are improving; a few sweet peas are in. Stevia has made its appearance; ruscus and boxwood are seen everywhere. Smilax, galax, adiantum and all greens are in demand. Lily of the valley is fine. There is an over supply of Boston ferns in four to six inch pots, which even the department stores cannot unload.

NOTES.

Foster, the Florist, Kings Highway and Delmar Avenue, has a very fine store. The floor space is immense. The entire west window has a large tank designed and built by Fred Foster, Jr., with electric illumination and with all varieties of goldfish. Another special window display of novelties and another with a fine display of plants are to be seen here. Miss Hattie Kubisch is saleslady and is also a very fine designer.

The St. Louis Florists' Club met Thursday, twenty-five members being present; F. H. Weber in the chair. Trustees were appointed to arrange for a reception to Richard Vincent, Jr. Resolutions were ordered on the death of Charles E. Schoenle. Fred Alves and K. Hiemens were elected. Proposed for membership: F. X. Gorly,

Ad. Janeicke, Al N. Windler and O. H. Sanders.

The park department has formed a club called the Park Department Employees' Organization. Park employees only are eligible. Dwight F. Davis, park commissioner, started the club. The following officers were elected: Frank Miller, president; Rudolph Hinternesche, vice-president and secretary; Edward Boland, treasurer; John Mortiz, sergeant at arms.

James E. Jones, of the Advance Co., Richmond, Ind., was a visitor. He was on his way to visit his parents in Oklahoma. Mr. Jones was very enthusiastic over business prospects for the ensuing year. He spoke very highly of E. G. Hill's carnations, saying they were the finest crop he had ever seen.

Anton Bros., Clayton, Mo., are bringing in fine white and other varieties of carnations. Fred Anton is very enthusiastic over the outlook. The Windler Wholesale Floral Co. handles his stock.

H. C. Irish, formerly of Shaw's Gardens, has been appointed a member of the State Board of Horticulture. Professor Irish is a member of the American Pomological Society.

Henry Shaw's banquet will take place Thursday, December 12. Richard Vincent, Jr., president of the S. A. F., will attend after his reception at the club meeting.

Geo. H. Angermueller is receiving daily some of the finest Easter lilies seen in this market; also smilax as fine as can be seen anywhere.

Hugo Grop and Charlie and Henry Myer are bringing in extra fine California violets to the Wm. G. Smith Wholesale Floral Co.

Ed. Loyet, Kings Highway and Suburban tracks, is a hustler and has a good stand. Ed. is a daily visitor to the market.

C. A. Kuehn has the finest lily of the valley and adiantum that come into this market. His supply is home grown.

Julius Koenig, city forester, is busy making arrangements for spraying trees and eradicating all insects.

U S Budlong's E Blue Ribbon Valley.

The chrysanthemum show has been going on all week at Shaw's Gardens, over 500 varieties being shown.

F. H. Weber has a splendid show of plants and always a fine stock of cut flowers of finest quality.

Grimm & Gorly had a special sale of fine chrysanthemums last Saturday at 10 cents, \$1 per dozen.

Miss Matilda Waldmann has done an immense trade in chrysanthemums at popular prices.

The Kings Highway Floral Co. has a very beautiful store. Miss Hale is the manager.

The Retail Association meets Monday night at the Washington Hotel.

Alex. Siegel has been giving special sales on chrysanthemums.

W. F.

St. Louis Florists' Club.

C. E. SCHOENLE RESOLUTIONS.

Whereas, it has pleased an allwise Providence to take from our midst our fellow member and co-worker, Charles E. Schoenle, and whereas, we knew what a devoted and hard worker he was, either as trustee or otherwise, and how unselfishly he gave his time in the interests of our club, being always amiable when among us, striving to please all; therefore, be it resolved, that the members extend their sincere sympathy to his bereaved widow and family in their hour of grief, and be it further resolved that a copy of the aforesaid resolutions be sent to the widow and family and spread upon the minutes of the club.

W. E. OGLE, C. YOUNG, W. J. FILLMORE, Committee.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS



L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

MUMS and Pompons

White--Pink--Yellow

of good quality
in large quantities

VIOLETS Single--Double

Regular shipments of
exceptionally fine stock

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.00			
Killarneys.....per 100	10.00	8.00	6.00	5.00	\$4.00	\$3.00	
White Killarneys.....	10.00	8.00	6.00	5.00	4.00	3.00	
Richmonds.....	10.00	8.00	6.00	5.00	4.00	3.00	
My Maryland.....	10.00	8.00	6.00	5.00	4.00	3.00	
Perle.....	10.00	8.00	6.00	5.00	4.00	3.00	
Ward.....	10.00	8.00	6.00	5.00	4.00	3.00	
Carnations.....	5.00	4.00	3.00	2.00			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, double.....	1.25	1.00					
Single.....	1.00	.75					
Chrysanthemums.....per doz.	4.00	3.00	2.00				
Pompons.....per bunch	.75	.50	.35				
Paper White Narcissus.....per 100	4.00						
Stevia.....	1.50						
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprenger Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantum.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

Cincinnati.

WEEK IS POOR.

Last week Monday, Friday and Saturday were the only bright spots in the market. Even then, the best of prices were not realized except in a very few instances. The days between the opening and close were so dull that they more than offset the glamour of the few really bright days. Chrysanthemums were hit the hardest by the slump. In order to clean them up in any quantity at all it was necessary to sacrifice them. In the rose line American Beauties suffered the most. For several days they did not sell at all. The tea roses moved out consistently. Carnations, because of the short supply, have been cleaning up fairly well. Neither Easter lilies nor callas enjoyed any too active a call. The same is true of orchids and valley. Violets sold well and sweet peas cleaned up absolutely as fast as they came in. Other stock offered includes stevia and narcissi.

CLUB MEETING.

The club meeting November 11 was well attended. After the close of the business session a committee consisting of A. C. Heckman, Jr., and Ed. Schumann held sway. Supper was served and the hearty way in which the members present pitched into the provisions showed that they appreciated the committee's work. Then under the direction of Frank Volz and Nick Weber, melody reigned for the balance of the evening. The same programme will be repeated at the next meeting of the society, December 2. President Gus Adrian appointed a committee consisting of Chas. H. Hoffmeister, A. C. Heckman, Jr., and Ray Murphy to arrange for a banquet. They have chosen the Bennet House and the affair will take place at that hostelry on the night of December 9 at 8 p. m. Tickets can be obtained from any of the committeemen or from any whole-

H. Wittbold

Wholesale Florists and
Decorating Specialists

HEADQUARTERS FOR

Cut Flowers, Ruscus, Oak Sprays,
Beech Branches, Prepared
Decorative Materials

AND GENERAL SUPPLIES.

Just Received a Car of Excellent **WILD SMILAX** \$4.25 a Case while it lasts.

PHONES: Randolph 4708—Office; Rogers Park 227—Nursery.

56 E. Randolph St.,

CHICAGO

saler. President Richard Vincent, Jr., of the S. A. F., will give a talk on the International Flower Show, held in

London. He will illustrate with stereopticon pictures. Florists and their friends are all invited.

Our New Catalogue



Has many new, original and striking features. The cuts of

WIRE DESIGNS

which are very suggestive to the trade, and in many ways beneficial, **will be mailed free upon request.**

Complete Stock of Holiday Goods

Place Your Orders Now for Wire Rings for Holly Wreaths.

They are made of bright market wire. In experimenting we find this the best, as the copper kind shows through the holly and spoils the effect.

JOSEPH ZISKA, Wholesale Florist, 151-153 N. Wabash Ave., **CHICAGO, ILL.**

NOTES.

Henry Schwarz's many friends will rejoice to learn that Mrs. Schwarz, who has been seriously ill for some six weeks, undergoing two painful operations, has returned home from the hospital and is gaining as speedily as can be expected.

E. G. Gillett's work as one of the building committee for the new Price Hill Masonic Temple is about over. The formal opening takes place November 30.

J. W. Rodgers, formerly park superintendent in this city, has been appointed manager of the Miami Floral Co., at Dayton.

C. E. Critchell has rented the premises at 19 East Third street to use as a storeroom and salesroom for his holiday goods.

G. Brunner's Sons have been sending very fine chadwick in both white and yellow to L. H. Kyrk.

Visitors: Miss Lodder, Hamilton, Ohio; J. T. Herdigen, Aurora, Ind., and Ellis Woodworth of the Sefton Mfg. Co., Chicago.

H.

Pittsburg.

STOCK STILL SCARCE.

The market is still rather tight. Carnations are keeping out of sight, and other flowers, while not so scarce, are cleaned up daily. There has been an over supply of pompon chrysanthemums, however, this year, a great many of them finding no sale. Chrysanthemums still continue to sell well and the quality is fine.

NOTES.

The R. J. Daschbach Co. and H. C. Buechler, of Braddock, have combined as one firm. Both stores will be continued. Mr. Daschbach states he is also considering the advisability of

uniting with one or two other stores, as he says co-operation has competition beat a mile.

W. C. Drews of Braddock, while hunting the last week, ran across such fine log moss that he wired his store to forward him a lot of sacks, and intends gathering it for his large Christmas trade.

Geo. McCallum, although still limping, has tackled his old job again. This firm is receiving quantities of special American Beauties.

L. I. Neff states that he is having good success with his artificial door bunches among the undertakers.

M. Koval, who recently started a flower store on Frankstown avenue, has secured Mike Steiner as manager.

The Ludwig Floral Co. finds its truck to be a greater convenience than anticipated.

H. B. Ackerman states that the Penn avenue store of the Ziegler Co. is doing fine.

S. S. Pennock, Philadelphia, called on the trade November 18.

E. C. Ludwig is home after a trip east.

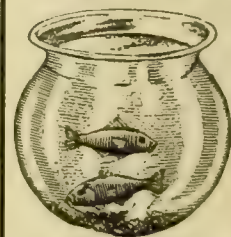
E. J. M.

Urbana-Champaign, Ill.

Wilhelm Miller, editor of Country Life in America, has accepted an appointment as assistant professor of landscape gardening and horticultural extension at the University of Illinois. Mr. Miller has become well known among horticulturists through his writings and through his association with Professor L. H. Bailey, of Cornell University.

John Yeates, who opened a store in the business district recently, seems to be doing well. His window is always attractive, and as this is the only downtown store he will, no doubt, get a good share of the business. His greenhouses, which were completed but a short time

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog.

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street, CHICAGO.

U S Budlong's E Blue Ribbon Valley.

ago, are located in the south end of town near the university.

Thomas Franks & Son have completed their building operations. They now have two up-to-date Foley houses adjoining their store building on University avenue. The new houses will be used for ferns, palms and other pot plants, and they add greatly to the appearance of their up-town plant.

LOS ANGELES, CALIF.—Harrison Gray has taken out a permit to build a greenhouse at a cost of \$500.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

—SEND FOR—

Thanksgiving Price List.

Long Distance Phone
Central 3598.

Davenport, Ia.

BUSINESS INCREASING.

Business has been increasing in volume the last week with plenty of stock to meet all demands. Chrysanthemums are at their best, and many are being disposed of. Several receptions and weddings have called for large numbers recently. Roses and carnations are fine with no shortage in either line. Violets, callas, paper white narcissi and lilies are getting plentiful.

CLUB MEETING.

The Tri-City Florists' Club met at Central Park Thursday, November 14, as the guests of Superintendent C. O. E. Boehm and wife with nearly every member present. An inspection of the chrysanthemums on exhibition was made and many of the newer varieties noted. Two of the large show houses were filled with these flowers. The pompons and singles are exceptionally fine. One house is filled with cyclamen in 7, 8, 9 and 10-inch pots, with the foliage completely hiding the pot and with from 10 to 50 blooms even now. Another house is filled with Begonia Glory de Lorraine and like the cyclamen each and every one is a fine plant. A house of crotons and poinsettias looks well. Some 9,000 geraniums are already potted up as are thousands of other bedding plants. After the trip around the place supper was served. It is needless to say the boys all voted Mrs. Boehm the best cook ever. At the meeting which followed a new member was elected. A committee composed of C. O. E. Boehm, John Temple and Henry Pauli was appointed to arrange a series of topics and a programme for the next year. A publicity committee also was appointed consisting of the following members: Theo. Ewoldt, Davenport, chairman; Wm. Goos, Bettendorf, Iowa; Henry Meyers, Rock Island, Ill.; — Sorensen, Moline, Ill. Wm. Goos invited the club to meet with him December 12 and the invitation was accepted. The club then adjourned after a vote of thanks were extended to Mr. and Mrs. Boehm and their two daughters for their hospitality.

Theo. Ewoldt, who suffered from two broken ribs and a badly bruised body received in a runaway about three weeks ago, is again in the harness and able to look after his business.

T. E.

Cleveland.

Everything was hustle and bustle show week. Stock of all kinds has been fairly plentiful and of good quality. Business shows a decided improvement.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Nov. 20.		Per doz.
Roses, Beauty, specials.....		6 00
" " 36-in.....		5 00
" " 30-in.....		4 00
" " 24-in.....		3 00
" " 15-20-in.....		2 00
" " 12-in.....	1 00@	1 50
" " Short.....		6 00@10 00
" Killarney.....		3 00@ 8 00
" White Killarney.....		3 00@ 8 00
" Richmond.....		3 00@ 8 00
" Prince de Bulgarie.....		4 00@10 00
" Radiance.....		3 00@ 8 00
" Mrs. Aaron Ward.....		4 00@10 00
" My Maryland.....		3 00@ 8 00
" Melody.....		3 00@ 8 00
" Mrs. Jardine.....		3 00@ 8 00
" Kaiserin Augusta Victoria.....		3 00@ 8 00
" Lady Hillington.....		3 00@ 8 00
" Sunburst.....		4 00@10 00
Carnations.....		2 00@ 5 00
Cattleyasper..... doz.,	6 00@	7 50
Chrysanthemums, doz.,	2 00@	4 00
Pompons, bunch,	35@	50
Gardenias.....	3 00@	4 00
Lilium Harrisii.....		12 00
Narcissus, Paper White.....		4 00
Orchids Dendrobium, per doz.,	5 00	
Stevia.....	1 50@	2 00
Violets.....	1 00@	1 50
Valley.....	3 00@	4 00
Violets, Princess of Wales.....	1 00@	1 50
Adiantum Croweanum.....		1 00
Ferns..... per 1000,	1 50@	2 00
Galax.....		1 25
Leucothoe.....		75
Mexican Ivy..... per 1000,	5 00	
Plumous Strings, each,	50@	60
Smilax..... per doz.,	1 50@	2 00
Sprengeri, Plumous Sprays.....	3 00@	4 00

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

George Reinberg Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

EVERYTHING NEW.

We have received another large shipment of
supplies; we have anything you may need—
also don't forget all of our stock is clean and
fresh goods.

WINDLER WHOLESALE FLORAL CO.

1310 Pine St., - ST. LOUIS, MO.

Both Phones, Olive or Central 1474.

FRESH CUT VALLEY

Choice Quality

Received Every Day

Your Orders Solicited

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Columbus, O.

TRADE ACTIVE.

Bright days have brought the people
out in throngs and heavy sales are
reported. There is plenty of stock
for every one. Thousands of chrysanthemums
are being cut and find a
ready sale. Carnations run about the
same as usual for this time of the
year. Roses are good and command
fair prices. Sweet peas are coming
in with nice stems and sell well.

NOTES.

H. J. Hoffman lost a large number
of chrysanthemums during the last
cold snap because his grower did not
have the heating apparatus in repair.

C. E. Stone, while attending to his
greenhouse duties, fell and broke several
ribs last week. He is now able
to walk about the house.

Wm. Brust, the popular West Side
florist, expects to build a conservatory
and also enlarge his store next spring.

The Art Floral Co. had one of the
finest window displays that has been
staged in this city.

Howard & Co. report a heavy business.
Their leader for this week has been
sweet peas.

The Livingston Seed Co. held a
successful chrysanthemum show last
week.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Nov. 20.		Per 100
Roses, Beauty, extra.....	20	00@35 00
first.....	8	00@16 00
Brides and Maids.....	4	00@10 00
Killarney.....	3	00@10 00
White Killarney.....	3	00@10 00
Liberty.....	3	00@10 00
Cattleyas.....	35	00@50 00
Chrysanthemums, doz., 1 00@	3 00	
Gardenias..... per doz., 1 00@	2 00	
Lilium Harrisii.....	8	00@10 00
Lily of the Valley.....	3	00@ 5 00
Marguerites.....	75	@ 1 00
Snapdragons.....	3	00@ 6 00
Sweet Peas.....	40	@ 50
Violets, single.....	50	@ 1 00
double.....	75	@ 1 00
Adiantum.....	75	@ 1 00
Asparagus..... per bunch, 50		
Smilax.....	15	00@20 00

PITTSBURG, Nov. 20.		Per 100
Roses, Beauty, special.....	25	00
extra.....	12	00@20 00
No. 1.....	6	00@10 00
Killarney.....	2	00@ 6 00
My Maryland.....	2	00@ 6 00
Richmond.....	2	00@ 4 00

Asters.....	1	00@ 4 00
Cattleyas.....	50	00
Chrysanthemums, doz., 2 00@	3 00	
Gladioli.....	2	00@ 4 00
Lilium Auratum.....	5	00
Lilium Longiflorum.....	10	00@12 00
Lilium Rubrum.....	5	00
Lily of the Valley.....	4	00
Oncidiums.....	3	00@ 4 00
Adiantum.....	1	00
Asparagus Sprengeri, per bunch, 35@	40	
Sprays..... per bunch, 35@	40	

MILWAUKEE, Nov. 20.		Per 100
Roses, Beauty, per doz., 1 00@	5 00	
White and Pink Killarney.....	3	00@10 00
Richmond.....	3	00@10 00
Mrs. Aaron Ward, Melody and Mrs. Taft.....	3	00@12 00
Carnations.....	4	00@ 5 00
Chrysanthemums, white yellow and pink..... per doz., 1 00@	3 00	
'Mums, Pompons, per bunch, 50		
Lilium Giganteum, per doz., 2 00		
Lily of the Valley.....	3	00@ 4 00
Violets, Wisconsin grown.....	1	50@ 2 00
Adiantum.....	1	50
Asparagus..... per string, 50		
Sprengeri, per bunch, 25@	35	
Boxwood..... per bunch, 25		
Ferns, Fancy..... per 1000, 2 00		
Oak Sprays, prepared.....	1	00
Wild Smilax, per case.....	\$5	00

Richard Winters and Frank Kramer
have embarked in business for themselves.

A chrysanthemum show is being held
at the Franklin Park conservatory.

L. S. B.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses. All the Early 'Mums. Instant delivery.

Mention the American Florist when writing

WE CAN TAKE CARE OF YOUR

BEAUTY ORDERS FOR THANKSGIVING

You will make no mistake in depending on us for your **BEAUTIES**. There is no larger supply of Beauties of better quality anywhere in the East. Place your order with us and you are always sure to get as many as you need.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Nov. 20.		Per 100
Roses, Beauty, special.	25 00@35 00	
" " fancy	20 00@25 00	
" " extra	15 00@20 00	
" " No. 1.	8 00@12 00	
" " No. 2.	3 00@ 5 00	
" Maid and Bride	3 00@ 6 00	
" Pink Killarney	3 00@ 8 00	
" White Killarney	3 00@ 8 00	
" Richmond	3 00@ 8 00	
" My Maryland	3 00@ 7 00	
" Kaiserin	3 00@ 8 00	
" Carnot	3 00@ 7 00	
" Mrs. Taft	4 00@ 8 00	
" Aaron Ward	4 00@ 7 00	
Carnations	1 00@ 2 50	
Chrysanthemums	4 00@20 00	
" pompons, per bunch	25@ 35	
Lilium Longiflorum	10 00@12 00	
Lily of the Valley	3 00@ 4 00	
Pink Japan Lily	3 00@ 4 00	
Narcissus	2 50@ 3 00	
Swainsona	50@ 1 00	
Violets	60@ 75	
Adiantum Croweanum	75@ 1 50	
Asparagus, per bunch	35@ 50	
Asparagus, Sprenger	35@ 50	
Ferns	per 1000, \$2 00	
Galax	per 1000, \$1 50	
Smilax	15 00	

BOSTON, Nov. 20.		Per 100
Roses, Beauty, best	20 00@25 00	
" " medium	12 00@20 00	
" " culls	2 00@ 4 00	
" White and Pink Killarney	1 00@ 6 00	
" " Extra	4 00@ 8 00	
" Taft	4 00@12 00	
" Cardinal	4 00@12 00	
" Ward and Hillingdon	4 00@12 00	
" Killarney and Richmond	2 00@ 8 00	
" My Maryland	2 00@ 8 00	
" Carnot	6 00@ 8 00	
Carnations, select	1 50@ 3 00	
Callas	8 00@12 00	
Cattleyas	35 00@50 00	
Chrysanthemums	8 00@16 00	
Gardenias	12 00@16 00	
Lilium Longiflorum	8 00@12 00	
Lily of the Valley	2 00@ 4 00	
Sweet Peas	50@ 1 00	
Smilax	12 00@16 00	

CINCINNATI, Nov. 20.		Per doz.
Roses, Beauty	50@ 3 00	
" " Bride, Bridesmaid	2 00@ 3 00	
" " Killarney	2 00@ 3 00	
" " My Maryland	2 00@ 3 00	
" " Perle	2 00@ 3 00	
" " Richmond	2 00@ 3 00	
" " Taft	2 00@ 3 00	
Chrysanthemums, doz.	1 00@ 3 00	
Carnations	2 00@ 3 00	
Callas	12 50	
Lilium Giganteum	12 50	
Lily of the Valley	3 00@ 4 00	
Orchids	per doz., 6 00	
Sweet Peas	50	
Violets	50	
" " double	50	
Adiantum	1 00	
Asparagus Plumosus	per bunch, 25	
Asparagus Sprenger	per bunch, 25	

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.

Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

ST. LOUIS, Nov. 20.		Per 100
Roses, Beauty, medium	8 00@15 00	
Roses, Beauty, short stems	3 00@ 6 00	
" " Killarney	2 00@ 4 00	
" " My Maryland	3 00@ 5 00	
" " White Killarney	2 00@ 6 00	
Carnations	1 50@ 2 50	
Chrysanthemums, small	5 00@ 8 00	
" " large	15 00@25 00	
Easter Lilies	10 00	
Lilium Rubrum	5 00@ 6 00	
Valley	4 00	
Asparagus Sprenger	2 00@ 3 00	
Asparagus Plumosus, per bu.	35@60	
Ferns, New. Fancv	1 50	

CRESTON, Ia.—The new greenhouse built by Carl Gehrecke, who came here from Pittsburg, Pa., was thrown open to the public recently.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. **L. P. WALZ, Mgr****Flower Colors**

Use our Color Chart in describing them.

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn Street, CHICAGO

New York.

CHRYSANTHEMUM GLUT.

The warm weather that prevailed throughout all the early part of the past week sent an enormous stock of chrysanthemums to market, so many in fact that the market was literally glutted with them. At the same time roses and carnations were not standing still, and so it may readily be seen that there was a chance to get flowers at a low price. Again, some of the leading retailers acknowledge that the demand was far below what it should have been at this season of the year. Doubtless the springlike weather also entered into the falling off in retail trade as it made automobiling and other forms of outdoor amusement agreeable and kept many people away from their city homes. While a great amount of stock has been handled, much of it may be said to have been sacrificed. It has all been trying to the nerves of the wholesalers as it has been impossible to keep cleaned up. About the only encouraging feature in the whole business is that it seems impossible that present conditions can long continue and Thanksgiving should pretty well clean up the chrysanthemum crop, for it is the late varieties that are now pouring in. The way the retailers have been able to keep their iceboxes and show-windows filled up should give flowers "publicity" if that is what is needed. Chrysanthemums in pots have also been a noteworthy feature. Some wholesale stores that had room have been handling them; in other cases they have been delivered direct from the greenhouse to retailer. The carnations too, have been given a great start by the warm weather and are coming in fast. American Beauty roses are somewhat off crop, but there is no scarcity of tea roses. Violets, at this season of the year, should be moving freely, but the dealer who can clean them up at 40 or 50 cents a hundred feels fortunate.

New York, November 18.—There is a fair movement in stock today, arrivals being somewhat lighter. The social season opens this week and it is hoped that it may improve conditions. The weather is much colder, which should somewhat reduce the supply. The opening of the Horse Show, which occurred November 16, made some business, though little was expected of it. There have been some dinners that called for decorations and there will be more this week. A walk through the Plaza and other leading hotels on November 17 showed elaborate decorations with large chrysanthemums and autumn foliage. Myer, the Plaza florist, has been very busy decorating and the effect is fine.

NOTES.

One Hundred and Twenty-fifth street is one of the great cross-town thoroughfares and has many good retail stores, including flower shops. Of these Tryforos Brothers may be mentioned. The business was founded by James Tryforos over twenty years ago. Later he took his brother as a partner and they do a good business.

Calling recently on Ed. Jansen, famous for novelties in flower baskets, we found him serene and happy. He has turned the business over to his sons but from force of habit drops in occasionally. When he gets tired of New York he takes a trip to Europe. He retains an office at 110 West Eighteenth street.

John Orth, who for many years has been employed by Anton Schultheis, College Point, died November 12, aged 82 years. He was a native of Germany. Many fine flowers were seen at his funeral from Mr. Schultheis and family and from the firm's employees.

Leo Klein, who succeeded the Misses Horn and Hess in the retail trade at 767 Lexington avenue, has now a fine

CHRYSANTHEMUMS

We Can Fill Your Orders

Medium grades.....	\$ 8.00 to \$10.00
Fancy grades.....	15.00 to 20.00
Extra special.....	25.00 to 35.00

Properly packed to insure delivery in first class condition.

Roses, Carnations, Violets, Valley.

Write, Phone or Telegraph.

George B. Hart, 24 Stone Street,
ROCHESTER, N. Y.

store and in anticipation of the opening of the horse show has had a window decoration in which a miniature horse was an attraction.

A feature on the floor of the New York Cut Flower Co.'s store is the fine lily of the valley being handled by Frederic C. Scheerer. It is grown at the Carl Jurgens range, Newport, R. I., which Mr. Scheerer represents on this market.

The plant growers of this vicinity are well prepared to supply the fall and winter trade. Calling recently on Peter Wagner of Flatbush, we found a great stock of fine ferns, poinsettias, dracaenas, and a variety of other good plants.

Dailledouze Bros. are offering rooted cuttings of their Enchantress Supreme carnations for dissemination. These plants make a fine display in their greenhouses and there can be no doubt that this introduction will please the trade.

Henry M. Robinson, president of the Boston and New York company which bears his name, spent several days here last week. He is enthusiastic over the new rose Mrs. Chas. Russell of which his firm is selling blooms.

Another of the industrious retailers of Madison avenue is A. Meyer, who is located at 1064, near Twenty-first street. He has a good store and does a nice business.

George Bradshaw of Wm. Kessler's plant store has recently been doing good work at window decorating with plants. George is an old hand at the business.

M. A. Bowe arranged an elaborate dinner decoration on November 14 at the home of James B. Brady, sometimes nicknamed "Diamond Jim" Brady.

Fred Schuman of the Coogan Building has formed a partnership in the wholesale business with Harry Peters, the firm name being Schuman & Peters.

Ralph Armstrong's new store at Madison avenue and Forty-seventh street is now very handsome and he is well pleased with the outlook.

A. F. F.

Albany, N. Y.

CLUB MEETING.

One of the most satisfactory meetings held by the Albany Florists' Club in many months was that of the evening of November 5, the occasion being ladies' night. Upon the arrival of the members, their wives and friends, they found the room decorated with a variety of the season's popular chrysanthemums and roses. In the center of

the room was a long table on which had been staged by Roman J. Irwin of New York a choice exhibit sent by A. N. Pierson, Inc., Cromwell, Conn. In the vases were specimens of 13 of Pierson's chrysanthemums, as follows: August Dasse, Nontero, Mrs. Charles Razer, Roman Gold, Merry Jane, Minta, Fairy Queen, Mikado, Mary Richardson, Morwenna, Lyndhurst, Mersthan Tints, and Ceddie Mason. In the front center of the group was a large vase containing 15 specimens of the new rose Milady, which is to be disseminated in the spring of 1913. The rose is of a scarlet color, has long stems, clean foliage, and attracted favorable comment. W. W. Hannell of Watervliet, Frederick Goldring, Slingerland, Fred A. Danker and others had good exhibits of new varieties of chrysanthemums, carnations and roses. Mrs. John T. D. Blackburn, chairman of the children's gardens committee of the Albany Woman's club, gave a short and interesting address on the work done by her committee last summer in promoting the interest of the school children in the growing of plants and flowers. She said that 466 children's gardens had been planted. Two hundred of them were visited by the club committee in season, and prizes were awarded to 66. She said the Woman's club would advocate the sale next season of one-cent packages of seed and in addition would encourage the planting of bulbs. Miss Grace Cogswell, chairman of the home gardens committee of the Woman's club, gave an interesting account of what she had observed in Cleveland, O., among the children's gardens. The entertainment committee provided music, recitations, and the meeting was most enjoyable.

NOTES.

The annual chrysanthemum show in the lake house, Washington Park, was opened, November 7, to be continued for two weeks. The city has in the park greenhouses about 700 plants in over 400 varieties available for the exhibition. This year nearly 40 new varieties will be displayed for the first time in Albany. The show attracts a considerable number of flower lovers from this section.

Edward Welch, son of P. Welch of Boston, treasurer of the Albany Cut Flower Exchange, has gone on the road for the Exchange and is canvassing the trade between Albany and Syracuse with success. Edward Welch for a time was in the employ of the Lakeview Rose Gardens, Jamestown, N. Y.

R. D.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Badgley, Riedel & Meyer, Inc.**

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 1665 Madison Sq.

Consignments Solicited

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST

OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

Rochester, N. Y.

CHRISTMAS ORDERS BEGIN.

Though there were dull days in the middle of last week its beginning and ending were both good in comparison with some days that had gone before. Orders are beginning to be placed for Christmas wreaths and greens. The supply houses report a very busy season. Killarney, Mrs. Taft, Melody and Maryland are all in fine shape. American Beauties are rich in color and have good stems. Lilies and callas are to be had, but the demand is not great for either. Carnations are good and are cleaned up about every day. Green stuff is very plentiful. Violets still sell well and continue to improve. Chrysanthemums are at their best and sell very readily. Lily of the valley is as good as can be found anywhere. Orchids are somewhat scarce.

NOTES.

Fred Brown of Buffalo will be the speaker at the Rochester Florists' Association's next meeting. His address will be on "Designing and Decorating." Mr. Brown gave this same address in Chicago last year and was well received.

Felix Alberts, with Henry P. Neun, had a most effective window this week consisting of a large heavy mound of lavender chrysanthemums and Boston ferns surrounded by a mass of oak leaves as a background.

A special meeting of the Rochester Florists' Association was held November 13. The total receipts of the Flower Show amounted to \$4,500 and the total expenditure \$4,400.

A meeting of the Ladies' Florists' Association was held at the home of Mrs. William L. Keller November 14. Three new members were added, making a total of about 20.

The annual display of chrysanthemums at the Highland Park Conservatory opened on Wednesday, November 13, to last for about three weeks.

H. J. H.

URBANA, ILL.—The Franks greenhouse on University avenue has been entirely remodeled and enlarged.

VIOLETSWe ship only
first-class stock.Place orders
early.**For Thanksgiving**
Direct from the Largest Grower.

Telephone-Telegraph Connection.

J. VONDER LINDEN, Rhinebeck, N. Y.

Mention the American Florist when writing

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Wholesale Flower Markets

NEW YORK NOV. 20.		Per 100
Roses, Beauty, special.....	25	00@30 00
extra and fancy.....	15	00@20 00
No. 1 and No. 2.....	3	00@8 00
Bride, Bridesmaid special.....	3	00@5 00
extra and fancy.....	2	00@3 00
No. 1 and No. 2.....	1	00@2 00
Killarney, My Maryland.....	5	00@8 00
extra and fancy.....	3	00@4 00
No. 1 and No. 2.....	1	00@2 00
Taft, Hillingdon, Aaron.....		
Ward.....	1	00@6 00
Richmond.....	50	00@5 00
Sunburst, special.....	6	00@10 00
Mrs. Geo. Shawyer.....	8	00@30 00
Carnations.....	2	00@2 50
Cattleyas.....	25	00@50 00
Chrysanthemums.....	2	00@40 00
Gardenias.....	10	00@25 00
Lilies, Longiflorum and Harrisii.....	2	00@4 00
Lily of the Valley.....	2	00@3 00
Narcissus, Paper White.....	1	50@2 00
Violets.....	40	@50
Adiantum Croweanum.....	15	@50
Asparagus Plumosus..... doz. bchs.	1	50@3 00
Smilax..... per doz. strings.	1	00@1 50

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Mention the American Florist when writing

**Moore, Hentz
& Nash,**

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.Phones 1415-1416 Madison Sq
53 W. 28th St., bet. Broadway
and Sixth Avenue, NEW YORK**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.**Paul Meconi**

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

BOXWOOD SPRAYS

ASK THE FLORIST WHO HAS USED OUR BOXWOOD BEFORE.

Few Orders and Testimonials of Those Who Know

"Having used Boxwood from you the past few seasons, and finding same satisfactory, will kindly ask you to book us for 200 lbs. before Jan. 1, 1913."
4326-4328 Olive St., St. Louis, Mo.

FRED. C. WEBER.

"Enter our order for 500 pounds of Cut Boxwood, as per your ad in the Florists' Review, Aug. 15, 1912."
THE WILLIAM SCOTT CO., Buffalo, N. Y.

"On the strength of the good quality of Boxwood bought of you last year, I will place my order with you for one hundred pounds of like quality."
88 Main St., Lockport, N. Y.

CHAS. L. DOLE.

Write the Introducers and Largest Shippers of Fine Boxwood Sprays Today.
We ship in light weight special express saving cases from coast to coast.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS OF CUT FLOWERS

Salerooms and General Offices, 121 Seventh Street,

PITTSBURGH, PA.

Holly, Bouquet Green, Immortelles

Write for Prices.

A. HENDERSON & CO.

352 N. Michigan Ave.,

Phone, Randolph 2571,

CHICAGO,

Buffalo.

HOLD SATURDAY SALES.

Ideal fall weather and good supply of stock help to keep local florists in good humor. The debutante has had full swing the past two weeks, which gave the trade about all they could manage. Several weddings have been on the calendar, which has made November an unusually busy month. Chrysanthemums are in abundance and prices range from \$2.00 upward a dozen, except on Saturday when all have adopted the sale plan. One florist is having a special price from about 4 p. m. until all is sold. This gives everybody an opportunity to have a bunch for the table Sunday.

THE FLOWER SHOW.

The Buffalo Florists' Club, undaunted by the financial loss of two years ago, attempted another show this year. To say that it excelled the last is putting it mildly. Like the operations of the most eminent surgeons it was "successful" but from the financial standpoint the "results were fatal." W. J. Palmer & Son, S. A. Anderson, J. J. Albright (through—Sandiford, his gardener), North, South and Humboldt parks, the Wm. Scott Co. and practically all the florists sent the best they had, and with the artistic and original Italian Garden planned by McClure & Son, gave us the best show ever produced in this city. South Park had their show seven miles from the city, average carfare 20 cents, no admission, one thousand people journeyed out to see it. Humboldt Park had a large crowd. There were no original table decorations, no showing of roses, no Japanese gardens, no Milady roses, no Irish Fire Flame, no suggestion of the possibilities of the use of flowers: just the blooms in perfection but there was no admission,

and the crowd went. Buffalo florists are very much discouraged.

Peter Crowe of Utica, N. Y., was a visitor as was also Edward Mepsted of Ottawa on a trip after a serious illness. Miss Julia Scrimm of the same firm was also in Buffalo. Other visitors were Roman J. Irwin and C. B. Knickman, both of New York.

BISON.

Washington.

The Washington Florists Exchange has moved back to the remodeled building at 1214 H street. A. Schnell, the manager, says that he will be better able to handle the large consignments of plants and cut flowers than ever. He extends an invitation to the trade to inspect his new home.

G. H. Cooke will act as one of the judges at the Maryland State Horticultural Society exhibition to be held at the Fifth Regiment Armory, Baltimore, November 19-23. The Bowling Club will visit the Baltimore Club on November 21 and try and repeat the scores of the last meeting.

A very neat invitation was received by the Washington florists from the S. S. Pennock-Meehan Co. to inspect their new home on the evening of November 21 at 8 p. m.

J. A. Peterson was a visitor this week, showing some of his samples of Phoenix roebelenii and some very fine plants of Pandanus veitchii.

J. A. Phillips, the Mt. Pleasant florist, had the decoration for Fairmont Seminary, using Killarney roses, pampas, palms and ferns.

W. Miller of Providence, R. I., has accepted a position with H. Pfister as designer and decorator.

Gude Bros. are bringing in some very fine plants of Begonia Glory of Cincinnati.

Visitors: Jos. Smith of W. Boas Co., Philadelphia, Pa.; Geo. W. Watson, Philadelphia, Pa.

G. C. D.

Boston.

ROSES ARE IMPROVING.

Cool crisp weather is what this city is having now. Chrysanthemums are still in the front seat, but we can see their finish shortly. There is likely to be a holding up this week, with an avalanche Thanksgiving. Roses are going better as the quality improves. The carnation is coming up, and with Thanksgiving we may expect to see things take their regular course. Red chrysanthemums have made their appearance.

NOTES.

Saturday Dan Leamy of the Co-operative Market showed us a box of mushrooms packed in wax paper, just received from one of his consignors.

The trolley express is about to be started. It will be a boon for the growers along the electric lines. This will be the first real blow at the express companies and it may cause a lowering of rates. We hope so, for the expense account has been climbing up yearly and the rates cut quite a figure in the grower's returns. We hope to be able to tell about one of the lines next week.

MAC.

CORRECTION.

Patten & Co., of Tewksbury, Mass., write: "We wish to make a correction in your report of the Massachusetts Horticultural Society's show, issue of November 16, page 967, where you refer to our new seedling Tewksbury, which is wrong. It should be Princess Dagmar and this is a new seedling carnation, which you have failed to state."

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.

Wittbold
FLORIST

739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing

CHICAGO
Wittbold
The Palmer House Florist
17 E. MONROE ST.

Mention the American Florist when writing

Brooklyn, New York.

“WILSON”

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season.

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40
Careful Attention To All Orders.

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.
November 24.
FROM MONTREAL, Ionian, Allan.
November 25.
Scottish Prince, Prince.
November 26.
Rotterdam, Holland-American, 10 a. m.
Kaiser Wilhelm der Grosse, North Ger. Lloyd,
10 a. m.
November 27.
Mauretania, Cunard.
Lapland, Red Star, 10 a. m., Pier 61, North
River.
November 28.
Amerika, Ham-Amer., 10 a. m.
November 30.
California, Anchor, 12 noon, Pier 64, North
River.
St. Louis, American, 9:20 a. m., Pier 62, North
River.
Atlantic, White Star, 12 noon.
Patricia, Ham-Amer., 2 p. m.
America, Navigazione, Pier 64, North River.
George Washington, North Ger. Lloyd, 10 a. m.

Nassau County Horticultural Society.

The monthly meeting of this society was held at Glen Cove, L. I., on Wednesday, November 13, President Johnston in the chair. There was a fine display of late flowering chrysanthemums. Wells' Late Pink, H. E. Converse and Wm. Turner were very fine. Prizes were offered for 3 yellow, 3 white and 3 pink, and the winners were F. H. Gaut, J. W. Everett and J. McCarthy. F. Petrocchia received the thanks of the society for new pink celery. H. Gaut was awarded certificates of culture for chrysanthemums grown in 6-inch pots, 3 flowers of H. G. Converse, and for collection of single chrysanthemums. H. S. Ladeu, Glen Cove, was elected to honorary membership. J. E. Colenso, B. Allmond, T. Twigg, A. Richardson and P. Charboriman were elected to active membership and there were four applications received. Prizes are offered for 3 poinsettias, 50 violets and 25 mixed carnations at the next meeting.
JAMES MACDONALD, Sec'y.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE
FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg
Flower & Plant Co.

1122 Grand Ave.
Kansas City and Pleasant Hill, Mo. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Mention the American Florist when writing

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dards, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geary Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellenno, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Snakes, O. C., Los Angeles, Calif.
Safford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Witthold, Geo., Co., 737 Buckingham Pl., Chicago.
Witthold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Miami and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions.
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

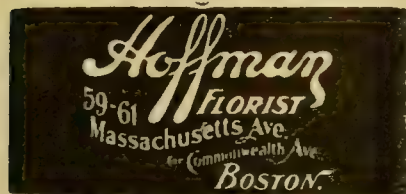
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

**City Index to Retail Florists
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, P. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus

Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main.

14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

**Only
the
Best Dunlop's**

96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heinal)
336 Superior St., Toledo, O.
Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS
212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA
PELICANO, ROSSI & CO.,
123 KEARNY ST.

San Francisco.

Stock is good, chrysanthemums particularly so; it was commonly remarked that the roses at the present show were nearly fifty per cent better than those shown at the last fall show. American beauties are in good demand and bring a better price, a few specials reaching \$2.25 a dozen. The prevailing price is \$2 for firsts and \$1.50 a dozen for seconds. Very little third-grade stock is coming in. This applies also to other rose stock the most of which is coming in of two grades only and selling at 50 and 75 cents a dozen. Richmonds are holding their heads up better. Aaron Wards are coming with far better stems and for the present are the popular yellow. Chrysanthemums are of grand quality and clean up well in spite of the quantities coming in. The scarcity of the flowers with the hawkers shows plainly that the local demand, aided by the heavy shipments to other markets, is holding the supply even. Prices, however, have declined, only a few specials of Col. Appleton, Enguehard, or Hunter bringing \$1.50 a dozen; good blooms of the leading varieties are going for \$1; seconds or inferior varieties sell for 75 down to 50 cents a dozen. Appletons are A1, though three weeks early. Cattleyas, oncidiums, phalaenopsis and Odontoglossum grande are plentiful and as usual are in good demand at standard prices. Valleys are good at three dozen for a dollar. Violets, coreopsis, cosmos and other outdoor stock is plentiful and there are greens to fill all demands.

NOTES.

Activity of unusual order prevails at the two local military posts. At the Presidio, the military post at the west end of the exposition grounds, Post Commandant Col. C. G. Gardner has a large force employed tearing down and removing fences and other unsightly objects, planting trees, extending lawns, and other such work for the permanent beautification of the post and surroundings. Gen. W. H. Murray, commanding the Pacific Coast division and residing at Fort Mason, situated at the eastern end of the exposition grounds, has ordered the renovation of the post. The work includes considerable garden operations. The veteran gardener, John J. Jacks, has resigned his position at the Sharon Estate and has been appointed by the government as landscape gardener to Gen. Murray.

At the exposition nursery three double span houses, 42x100 feet each, are almost finished, as are the potting shed and boiler room each about 20x26 feet. Hot water will be used. The stock includes some 6,000 each of eucalyptus and acacia in varieties planted in 12-inch boxes, the plants averaging 10 feet high. Propagation of large quantities of shrubs and many bedding plants is going on. T.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.
URIAH J. VIRGIN, —838—
CANAL ST.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Deliver

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR POSTPAID.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana			
Pot	Leaves	In. high.	Each
2½-in.	4	8 to 10	
3-in.	5	12	
4-in.	5	15	\$ 0 35
5-in.	6 to 7	18	50
6-in.	6 to 7	24	1 00
6-in.	6 to 7	26 in. high	1 25
6-in.	6 to 7	28 to 30	1 50
Cedar tub			
Leaves	In. high.	Each	Doz.
6 to 7	34 to 36	2 50	30 00
9-in.	40 to 45	4 00	48 00
9-in.	42 to 48	5 00	
9-in.	48 to 54	6 00	
9-in.	6 to 7	5 ft.	8 00
9-in.	6 to 7	6 to 7 ft.	10 00
Cocos Weddelliana			
Pot	In. high		Per 100
2½-in.	8 to 10		\$10 00
Areca Lutescens			
9 in.	Several	5 ft.	\$7 50

Kentia Forsteriana—Made up			
Cedar tub	Plants	In. high	Each
7-in.	4	36	\$ 2 50
7-in.	4	36 to 40	3 00
9-in.	4	40 to 42	4 00
9-in.	4	42 to 48	5 00
9-in.	4	48 to 54	6 00
9-in.	4	5 ft.	7 50
12-in.	4	5½ to 6½ ft.	15 00

Phoenix Roebelenii			
Pot			Each
5-in., nicely characterized			\$1 00
6-in., 18 to 20-in. spread			1 50
Cedar tub			
High	Spread		Each
7-in.	18-in.	24-in.	\$2 00

Clbotium Schiedei			
Cedar tub	Spread		Each
7-in.	2 to 2½ feet		\$2 00
9-in.	4 feet		4 00
9-in.	5 feet		5 00
9-in.	6 feet		6 00

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

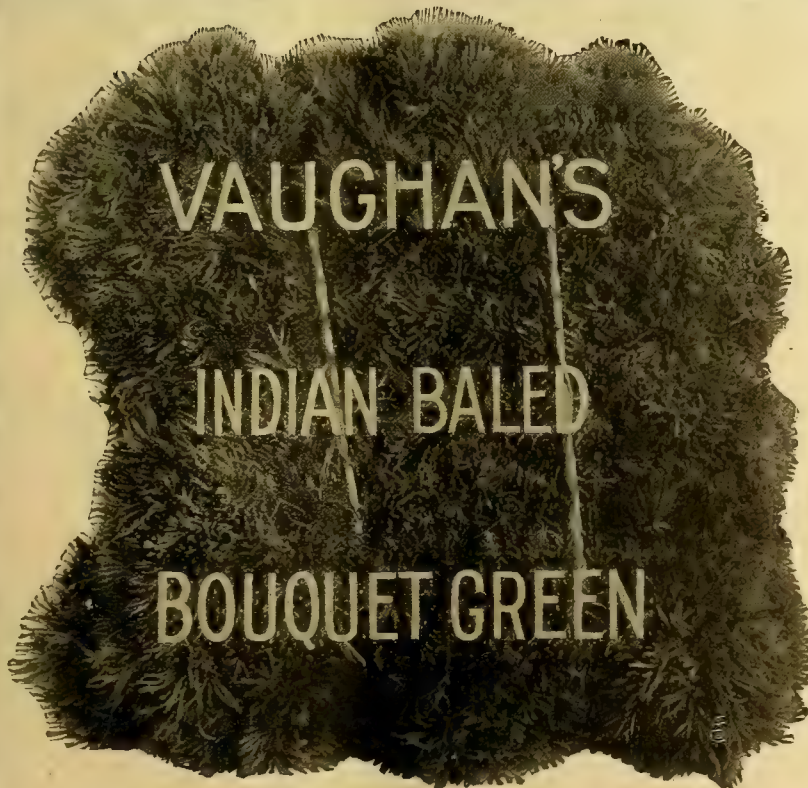
We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station.
Jenkintown.



Bouquet

Green

XXX Holly

Boxwood

Laurel

Wreathing

Holly and } Wreaths
Evergreen }

Mistletoe and Immortelles

Write for our "Christmas List."

We Are Headquarters.—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

VAUGHAN'S SEED STORE,

Chicago and New York

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

VISITED CHICAGO.—O. L. Coulter, of
C. C. Morse & Co., San Francisco, Calif.

THE tuberose bulb crop is thought
to be somewhat short. Big-root re-
ports continue.

CINCINNATI, O.—The Rahe Seed Co.
of this city has incorporated with a
capital stock of \$5,000.

SWEET CORN seems to ripen very un-
evenly, quite a few ears in nearly all
crops showing a doughy condition.

SPHAGNUM Moss dealers after an all
summer's battle with wet weather con-
ditions are now delayed by car short-
age. Troubles never come singly.

MANITOWOC, WIS.—M. G. Madson, of
the M. G. Madson Seed Co., and Mrs.
Madson announce the marriage of their
daughter, Miss Inga Marie, to Reinhold
Ferdinand Baruth, November 14.

THE thirteenth annual meeting of
the Wholesale Seedsmen's League will
be held at the Hardware Club, New
York, Friday, November 22, when three
directors will be elected.

INDEPENDENCE, IA.—Mel. L. Webster
has returned from a month's visit at
his branch house in Waco, Texas. He
reports trade good, with a very strong
demand for farm seeds. Dealers sel-
dom order until the planting season is
actually upon them.

HOLLY dealers are offering carlots
with some freedom and the inference
is that a good supply will be available.
No one outside of the districts where
it is cut seems to have any informa-
tion as to the quality, and men posted
in this trade believe the weather has
been so mild that the foliage is not
yet hardened as it should be; it takes
a fairly hard freeze to put the foliage
in condition for boxing and shipping.

ADVICES from southern France re-
garding crop prospects for French
bulbs indicate that the stock planted
this fall has come along comparatively
free from rain which, the growers say,
is a favorable condition, preventing
premature growth and having a ten-
dency to eliminate disease. The quan-
tity planted is reported to equal that
of last year, except in freesias, which
have not only sold out freely the last
two seasons, but have sold in smaller
size than usual, which has depleted
the planting stocks.

WATERLOO, NEB.—J. C. Robinson has
moved his warehouse on to the rail-
road track, enlarged it greatly and
changed his power to a new 100 horse
power oil-burning engine for generat-
ing electricity by which the entire
plant is operated. He will have dry-
ing and handling capacity for three to
five carloads of seed corn daily. His
early field corn, sweet corn and some
vine seeds are beginning to come in.
The Rocky Ford, Colo., branch has
made a good start in vine seed pro-
duction this year, bumper crops being
the rule.

BOUQUET GREEN does not improve
in quality under the continued bright
and fairly dry weather. The market
generally is weaker under continued
picking, though most pickers quit
when the very high first prices were
withdrawn.

Parcels Post

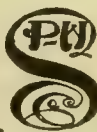
President Chas. N. Page of the Amer-
ican Seed Trade Association, writes as
follows to seedsmen regarding the new
parcels post law which will go into ef-
fect January 1:

"Our committee on postal affairs
succeeded remarkably well in securing
changes in the parcels post law, so that
the mailing of seed catalogues and
other third-class matter was not in-
terfered with, nor rates increased on
catalogues, nor any merchandise in
our line. Owing to an unfortunate
wording of an amendment added by the
senate committee at about the last mo-
ment, there is some question as to
whether seeds, plants and bulbs can
be sent at the new parcels post rates,
and the postmaster general will prob-
ably not render his decision until Janu-
ary 1, when the new regulations are
published. There is no doubt but that
the intention was to give the trade an
option to make shipments by parcels
post, should they so desire.

"Under present conditions, however,
I would advise that caution be used in
making references to parcels post rates
in new catalogues or circulars."

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Mr. Page also adds that the new
plant quarantine law is decidedly ab-
truse and is causing some trouble.

Bell Complaint Dismissed.

A complaint against J. J. Bell of De-
posit, N. Y., charging him with having
violated the federal law by opening
mail addressed to the J. J. Bell Seed
Co., of which C. H. Putnam of that
village is now the head, has been dis-
missed by U. S. Commissioner E. H.
Moody of Binghamton. The J. J. Bell
Seed Co. was formerly located in Bing-
hamton and was conducted for a long
time by J. J. Bell. The business was
sold eventually to Mr. Putnam, by
whom it was continued under the same
name. A daughter of Mr. Bell also
conducted a business in Deposit under
the name of the Deposit Seed Co., and,
it is alleged, opened certain mail in-
tended for the J. J. Bell Co., which
resulted in the filing of the complaint
cited. Mr. Bell's attorney stated that
suit will at once be brought by Mr.
Bell to recover \$25,000 for malicious
prosecution. Summons in the case
have already been issued and are now
in the hands of the process servers.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—

I Want to Get in Touch with a Big, Broad Man in the Seed Trade Who Isn't Happy in His Job

I want to hear from the best seedsman in America who wants a bigger, broader, richer future than his present position or business holds.

This man is needed by one of the oldest seed businesses in America—a house with an enviable reputation, built up by fair dealing, consistent advertising, and honest seeds.

The business is big and steady; it is in a large eastern city, but its trade extends from coast to coast. It can be made much greater—it ought to be doubled. It is on the up-grade now.

For the man who can take hold and help put this seed business where it ought to be, there is an unusual opening. If he measures up to requirements, he will have an opportunity at once to acquire an interest in the business.

A man with capital—possibly a manager or a partner in another concern—is preferred. The business is paying and additional capital is not needed, but it is felt that an investment by the right man will cause more rapid growth.

This is a big thing, and I can give the details only in person. If you think you're the right man, write me fully, telling what you are doing, what you have done, and whether you would consider an investment after investigation had shown it advisable. Address me in confidence—no one else will see your letter without your permission.

JEFFERSON THOMAS

Vice-President and Manager, The McFarland Publicity Service

HARRISBURG, PA.

I know, too, of several good openings in the nursery trade, and invite letters from expert growers, shipping foremen, correspondents, etc. Tell in your first letter what you have done, to whom you can refer, and what salary you command.

'MUM

STOCK PLANTS

Early Yellow—Chrysolora.

Per doz., \$3.00; per 100, \$15.00.

Early Yellow—Crocus.

Per doz., \$2.00; per 100, \$10.00.

Early White—Smith's Advance.

Per doz., \$2.00; per 100, \$10.00.

Early Pink—Unaka.

Per doz., \$2.00; per 100, \$10.00.

Bassett & Washburn
HINSDALE, ILL.

—FOR—

**Australian Timber and
Other Tree Seeds,
and COUCH GRASS,**

Write to

Law, Somner & Co., Seedsmen
Melbourne, Australia.
Established 63 years.

Seeds gathered fresh every season by our
own experienced collectors.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of

High Grade Seeds

Cucumber, Melon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:

Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100..\$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberoses, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants
and Growers.
114 Chambers Street, NEW YORK, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.



Mrs. Francis King

Gladiolus

Strong, Well Ripened Bulbs

Our Own Growing

First Size

	Per 1000
Mrs. Francis King	\$20 00
America.....	30 00
Augusta.....	16 00
Chicago White.....	65 00
Colvilli Alba.....	5 00

Spiraea Clumps

	Fine Stuff	Per 100
Gladstone.....		8 50
Multiflora.....		7 00
Queen Alexandra.....		10 00
Floribunda.....		7 00
Superba.....		7 50
Japonica.....		5 50
Valley, clumps.....		23 00

Vaughan's Seed Store

CHICAGO

NEW YORK

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OEGHSLIN,

4911 Quincy St., CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacts (new), to take the place of
Whitmani. A better commercial fern; 2 1/2 in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

First Aid to Buyers

Fall List of Best Roses

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD-OHIO.

QUALITY SEED BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

THE CHRYSANTHEMUM MANUAL.

By **Elmer D. Smith**

NEW AND REVISED EDITION.

PRICE 40 CENTS.

Cash with order.

American Florist Co.,

440 S. Dearborn St., CHICAGO.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Special Bulb Prices

Single Named Hyacinths.

Your choice of colors.

	Per 100
Second size.....	\$4 00
First size.....	5 00
Exhibition size.....	6 50
Unnamed separate colors.....	2 00

Fair supply of all kinds
of TULIPS.

To Secure These Prices, Mention This Paper

JAMES VICK'S SONS,

ROCHESTER, N. Y., The Flower City.

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Contract Seed Growers

**Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.**

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.

SCHILDER BROS., CHILLIGOTHE, O.

For Fall Planting

Lilium Tenuifolium, *Hansonii*, *Davuricum*, *Henryi*, *Elegans* and *Wallacei*;
Daphne Cneorum, *Syringa Japonica*, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

Gold Storage LILY OF THE VALLEY FOR CHRISTMAS FORCING

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 ea.; 500 pips, \$9.50 ea.; 1000 pips, \$18.00 ea.

Bulbs for Fall Planting and Forcing.

Bulb stocks are getting scarce. If you have not covered your requirements, we advise placing order without delay. We can still supply the following stock, which we offer as long as unsold.

Hyacinths, Fine named. Best commercial sorts, viz., *Albertine*, *Baroness van Tuyll*, *Czar Peter*, *Charles Dickens*, *Gertrude*, *Gigantea*, *La Grandesse*, *L'Innocence*, *La Peyrouse*, *King of the Blues*, *Grand Maitre*, *Mme. Van der Hoop*, *Moreno*, *Robt. Steiger*, etc., \$4.00 per 100.

Hyacinths, Separate colors, single. Pink, white, blue, yellow, \$2.50 per 100.

Tulips, Darwin named. Pres. Roosevelt, May Queen, Mrs. Stanley, Mme. Krelage, Gretchen, Flambeau, Bartigon, Baronne de la Tonnaye, The Sultan, Isabella, Inglescombe Pink, *Elegans Lutea*, \$2.00 per 100.

Tulips, May-flowering or Cottage. *Gesneriana*, *Spathulata*, *Picotee*, \$11.00 per 1,000; *Bouton d'Or*, \$10.00 per 1,000; *Bizzards*, *Byblossoms*, *Golden Crown*, \$7.50 per 1,000; *Parrot Named*, four sorts, \$1.00 per 100.

Tulips, Double. *Couronne d'Or*, \$14.00 per 100; *Tournesol Red and Yellow*, \$1.75 per 100; *Count of Leicester*, *Duke of York*, *La Candeur*, *Murillo*, *Rose Blanche*, *Yellow Rose*, \$1.00 per 100; *Salvator Rosa*, \$1.50 per 100.

F. R. PIERSON CO.,

Tarrytown-on-Hudson,
NEW YORK.

Narcissus Paper White *Grandiflora*, 13 c-m bulbs, 1,250 to the case, \$8.50 per 1,000; 14 c-m bulbs, 1,000 to the case, \$10.50 per 1,000.

Narcissus. *Alba Plena*, *Odorata*, \$1.00 per 100; *Orange Phoenix*, *Silver Phoenix*, \$1.25 per 100; *Mrs. Langtry*, *Barri Conspicuous*, *Poeticus Ornatus*, *Campanelle Jonquil*, *Rugulosus*, 75c per 100.

Freesias, French, Mammoth bulbs, \$9.00 per 1,000; Purity, \$15.00 per 1,000.

Spirea. *Gladstone*, case of 100 clumps, \$8.00; *Queen Alexandra*, case of 100 clumps, \$11.00.

Lilium. *Giganteum*, 7-9 inch bulbs, case lots of 300 bulbs, \$16.50; *Giganteum*, 8-10 inch bulbs, case lot of 225, \$20.00; *Multiflorum*, 9-10 inch bulbs, case of 200, \$17.00.

Crocus. Named, \$6.00 per 1,000.

Gladiolus. *Colvilli Alba* "The Bride," \$5.50 per 1,000; *Peach Blossom*, \$9 per 1,000.

Spanish Iris. Mixed, \$3.00 per 1,000.

Callas. Extra sized bulbs, \$10.00 per 100.

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

VALLEY FOR CHRISTMAS

Bruns' Celebrated Chicago Market are the finest Cold Storage Valley,
\$2.00 per 100, \$18.00 per 1000.

Florist Money Maker, \$1.80 per 100, \$16.00 per 1000.

New Stock, now ready. Best Valley for early forcing, \$16.00 per 1000.

H. N. BRUNS,

3032-42 Madison St., Chicago, Ill.

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of

WATERMELON AND MUSKMELON SEED.

ENID, OKLAHOMA.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Mention the American Florist when writing

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

Mention the American Florist when writing

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Mention the American Florist when writing

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, November 18.—Mushrooms, 25 cents to 45 cents per pound; lettuce, 10 cents to 12½ cents, small cases; cucumbers, \$6.50 to \$7.00 per case of eight dozen; tomatoes, \$1 to \$1.50 for 10 pounds; asparagus, \$3 per dozen; radishes, 10 cents to 30 cents per dozen bunches.

New York, November 16.—Cucumbers, 75 cents to 90 cents per dozen; mushrooms, \$1 to \$1.40 per 4-pound basket; tomatoes, 10 cents to 25 cents per pound; lettuce, 50 cents to \$1 per strap.

Lettuce Plants.

Good plants being the foundation of the whole lettuce forcing industry, it will pay any one interested to carefully consider essential points to success. We have been so uniformly successful in producing good lettuce plants, that the process is almost second nature, and it would be hard to write on the subject had we not noticed mistakes made by many growers when visiting other plants. By pointing out these mistakes we can do more good than by treating of our own methods.

One prominent grower, well known far and wide, has an enclosed case with bottom heat where the flats are placed to germinate. This looks good to him but is all wrong. These seedlings germinate too fast; are weakened by high temperature and confinement; if not moved out in time they are ruined entirely; and if moved when they should be they are checked by lower temperature. Also in a case like this, thick seeding is a grave error.

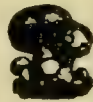
Another grower carried the mulching idea too far. After having filled the benches in his plant house with proper soil, he then covered this soil with fresh horse manure and washed the fertility in with a good watering. We were lucky to see the young plants a month later—a flat failure as we expected. These tiny seedlings did not flourish in so rich a soil in midwinter.

Still another man, being a florist, used spent earth on chrysanthemum benches for lettuce plants; here was another case of "bad luck," only half a stand and what there was poor and sickly. Various growers are troubled with mildew; we find they water continually and often late in the day, softening their plants and making them a prey to cold air currents. Very often one watering right after dibbling the seedlings is all they need until ready to move into permanent beds. By reducing the moisture more roots are formed and the foliage being firmer is more resistant.

We have always practiced the following: Sow thinly; sprout in low temperature; expose to full light; water very moderately in winter; use only moderately rich earth and always fresh for both seed flats and seedling benches; dibble the seedlings as soon as the character leaf shows, and never less than 2 x 2 inches apart. Transplant into permanent quarters as soon

as they close in on each other. The whole procedure should be forward instead of backward, as regards heat, moisture and fertility—that is, the growing house, should be warmer, richer and moister than the plant house. Such plants will ever press on-wards and will not stand still, which is the key to success.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Mention the American Florist when writing

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mention the American Florist when writing

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Choice Bench Rose Plants.

On account of moving our greenhouses, we offer the following GRAFTED ROSE PLANTS, one year old:

3,000 **Bulgarie**, at.....10c
1,000 **Mrs. Ward**, at.....10c
5,000 **Maryland**, at.....5c
1,000 **Richmond**, at.....5c
5,000 **Kaiserin**, at.....10c

The **Kaiserin** are two years old and own root plants.

No less than 500 plants sold at these prices.

THE STOCK IS EXTRA CHOICE.

Bassett & Washburn

OFFICE:

131 N. Wabash Ave., Chicago

GREENHOUSES:

HINSDALE, ILL.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CABBAGE PLANTS

We grow plants by the million for the trade. All plants are hardy, stocky and frost-proof, grown on land unequalled for vegetable plants, where cabbage has never been before. Every plant reaches highest state of perfection, not stunted, but well-rooted and sound-budded.

ALL VARIETIES—Early Jersey Wakefield, the best selected Long Island strain; Charles-ton Wakefield, Succession, Louisville and Drum Head, Large Flat Dutch.

LETTUCE. Big Boston Lettuce, Giant White Forcing Lettuce, Tennis Ball Lettuce Grand Rapids, etc. Fine, hardy plants, grown in cold frames.

1000 to 4,000 lots, \$1.15 per 1000. 5,000 to 10,000 lots, \$0.90 per 1000.

Special low prices on 10,000 to 20,000 lots.

No charge for packing. All shipments guaranteed more than full count.

Terms: cash with order. Remit postoffice or express money order, or registered letter.

Eight Acres Devoted to Vegetable Plants.

Send us your order today. Booklet free. Address

Franklin Plant Farm, Inc., FRANK BRUNTON, Mgr., Norfolk, Va.
P. O. Box 964,



Lil. Giganteum

Now on Hand

Our Bulbs are From the Best Fields in Japan.

**Fully Ripened
Expert English Grading**

All crescent-shaped, mis-formed and Undersized Bulbs are Left Out.

7-9 inch, 300 to case, Per 1000, **\$55.00** 9-10 inch, 200 to case, Per 1000, **\$95.00**

ORDER NOW for PRESENT and for STORAGE DELIVERY

Vaughan's Seed Store

CHICAGO

NEW YORK

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Tomatoes, Lima Beans, Lettuce, Asters, Cosmos and other Flower Seeds.

Mention the American Florist when writing

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Cantaloupe, Watermelon, Squash and Pumpkin seed; Sugar Flint and Field Seed Corns.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster, Cosmos, Mignonette, Verbena in variety. Correspondence Solicited.

Field Grown MAMAN COCHET ROSES.

5,000 Strong Plants of Pink and White Coche at \$75.00 per 1000. Just what every southern florist should plant for cut buds for summer funeral work.

A. C. CANFIELD,
Springfield, Ill

Mention the American Florist when writing

**The Early Advertisement
Gets There.**

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines: Pansies, Forget-Me-Nots, Daisies (Bellis Perennis), Asters, Stocks, Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

BERLIN VALLEY PIPS.

High grade quality from New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, - - NEW YORK

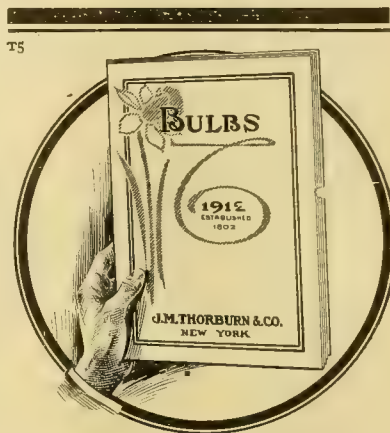
Mention the American Florist when writing

THE CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order,
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.



HAVE you our Bulb Catalog? If not be sure to ask for "the Florists edition," when writing.

We have one or two cases of Lilium Harrisii, particularly fine stock, still unsold.

Price per 100, 5-7 at \$3.50 and 6-7 at \$5.50. For prompt shipment.

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street, New York

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,

1876 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 48th St.
BROOKLYN N. Y.

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eighth annual convention to be held at Portland, Ore., June, 1913.

OAKLAND, CALIF.—The annual meeting of the California Association of Nurserymen was held here November 7-9.

HOLLISTER, CALIF.—The San Benito Nursery has filed articles of incorporation. The company is capitalized at \$10,000.

ANN ARBOR, MICH.—The regents of Michigan University have secured a new nursery site and work of preparing the ground for spring planting is under way.

MADISON, WIS.—A forestry school, in connection with the Wisconsin College of Agriculture, will be opened January 7. Complete courses in range and nursery work will be given.

SAN FRANCISCO, CALIF.—The Pacific Nurseries have been forced to move from their old location at 3041 Baker street, as the site was required for the Panama-Pacific Exposition. The salesyard is now at Colma, between Mt. Olivet and Home and Peace cemeteries.

FISHER, BRYANT & OLMSTED, consulting foresters, announce that Frederick Erskine Olmsted has withdrawn from the firm and that the business has been incorporated and will be continued under the corporate name of Fisher & Bryant, Inc. Mr. Olmsted leaves to practice consulting forestry independently and along special lines but will maintain close relations with the new corporation. His address will be 21 Lime street, Boston, Mass.

Sludge for Canadian Fruit Growers.

Negotiations are reported under way to ship the surplus sludge from Leeds sewage works to Canada for use as fertilizer by fruit growers. The plant for pressing this sludge into cakes was installed five years ago. The annual production is approximately 35,000 tons. Farmers in Yorkshire take 15,000 tons of this, paying only cartage charges of 60 to 75 cents a ton. The city has been required by the health authorities to destroy the surplus, which entails an annual cost of about \$5,000. If the deal is closed with the Canadian firm this amount at least will be saved to the corporation. No direct profit is anticipated from the shipment if made.

Plenty of Christmas Trees.

New York, November 9.—The forestry experts of the New York city park department declare that there will be no shortage of Christmas trees this year, even though the gypsy moth quarantine declared by the department of agriculture causes some increase in price.

The quarantine applies to trees from New England, and it is declared that New Jersey, Pennsylvania and the Adirondacks may be depended upon to supply all the trees necessary.

The park entomologists say that the quarantine came none too soon, for the gypsy moth was spreading rapidly westward from Massachusetts.

50,000 JONATHAN APPLE TREES, 4 to 6 feet high, \$75.00 per 1000 F. O. B. Salt Lake. Trees are clean and healthy.

Law's Nurseries, Salt Lake, Utah:

Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bougainvillea Glabra Sanderiana, well established bushy 4-in. pot plants, right for forcing, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

Blooming and Decorative Plants For Thanksgiving Day

You undoubtedly will have need for the stock listed below for both Thanksgiving Day and the Xmas Holidays. Our plant department is being conducted on the same big scale as our cut flower department and we now have 70,000 square feet devoted to pot plants. However, we urge you to send in your order for present or future delivery so that it may be delivered before the cold weather sets in. Our blooming plants are in readiness for quick shipment and just right for the Thanksgiving Day trade. Let us quote you on anything you need. **Order now.**

Primula Obconica.

In bloom, best Grandiflora and Gigantea strains, a great many dark shades. 4-inch, \$2.00 per dozen. 5-inch, \$3.50 per dozen.

Begonia Glory of Cincinnati.

In bloom, extra fine, strong plants, 6-inch pots, 75c to \$1.00, \$1.25 and \$1.50 each.

Cyclamen.

Partly in bloom, extra fine stock, 6-inch pots, 75c each, 7-inch pots, \$1.00 to \$1.50 each.

Christmas and New Cluster Peppers.

Finely fruited.
4-inch..... \$2 00 per doz.
5-inch..... \$4.00 to 5 00 per doz.

Dracaena Terminalis.

Fine color.
4-inch..... 25c each; \$2 50 per doz.
5-inch..... 50c each; 5 00 per doz.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine TABLE FERNS, 12 varieties, 2 1/4 inch, \$25.00 per 1000; \$3.00 per 100; 500 at thousand rate; 3-inch, \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.



Pandanus Veitchi.

Fine colored stock.

5-inch.....\$1 00 each; \$ 9 00 per doz
6-inch..... 1 50 each; 18 00 per doz
7-inch.....\$2 00 to 2 50 each; 24 00 per doz.



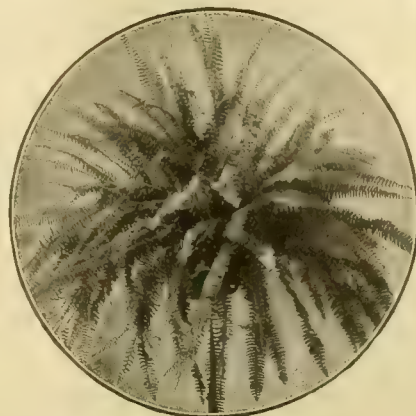
SPECIAL.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.
4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5.00 per dozen. Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 per dozen.



FERNS.

Boston and Whitman Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100
6-inch.....\$0 50 \$ 6 00 \$45 00
7-inch..... 0 75 9 00
8-inch..... 1 00 12 00
10-inch..... 2 50 30 00
12-inch..... 3 50

Cibotium Schlegel.

6-inch.....\$1 50 each

PALMS.

Areca Lutescens.

7-inch.....\$1 50 to \$2 00 each

Kentia Belmoreana.

Height	Each	Doz.	Per 100
4-in.....12 to 15-in.	\$ 4.50	\$35.00	
5-in.....15 to 18-in.	6.00	50.00	
6-in.....18 to 20-in.	.75	9.00	
7-in.....20 to 22-in.	1.00	12.00	
8-in.....22 to 24-in.	1.50	18.00	
9-in.....24 to 26-in.	2.50	30.00	
10-in.....26 to 28-in.	4.50		

Specimens in tubs.....each, \$8.00 to \$16.00
Prices quoted on any special size upon application.

Kentia Forsteriana.

Height	Each	Doz.	Per 100
4-in.....14 to 16-in.	\$ 4.50	\$35.00	
5-in.....20 to 24-in.	.75	9.00	
6-in.....24 to 30-in.	1.00	12.00	
7-in.....30 to 36-in.	1.50		
8-in.....36 to 38-in.	2.50		
9-in.....38 to 40-in.	3.50		
In tubs 44 to 50 in.	7.00		
Made up in tubs 28 to 30-in.	\$ 3.50		
" " " 30 to 32-in.	4.00		
" " " 40 to 42-in.	5.00		
" " " 44 to 46-in.	7.00		
" " " 50 to 60-in.	10.00		

Specimens in tubs.....each, \$8.00 to \$16.00
Prices quoted on any special size upon application.

Dracaena Massangeana.

Well colored, 6-inch, \$1.25 to \$1.50 each.

Ficus Pandurata.

6-inch, 3 feet high, \$2.50 each. 7-inch, 5 feet high, \$4.50 each.

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

Asparagus Plumosus.

4-inch strong.....\$10.00 per 100

ALL FREIGHT SHIP-
MENTS TRAVEL AT
PURCHASER'S RISK.

Send all Plant Orders Direct to
MORTON GROVE, ILLINOIS

POEHLMANN BROS CO.

Greenhouses and Plant

Shipping Department:

Morton Grove, Ill.

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.



The Herald NEW SCARLET CARNATION

Winner over all other Scarlet Carnations the Past Two Years.

The Herald is the Best Commercial Scarlet for you to grow, because it will produce more perfect flowers in a season than any other scarlet and bring a higher price than any other; because the flowers are all perfect; stem stiff and keeps the longest. All rooted cuttings guaranteed strong, well rooted and satisfactory in every respect.

Winner of first prize, best 100 red, St. Paul, 1912.

Winner of first prize, best 100 red, Cincinnati, 1911.

Also winner of first prize, best 100 red, Cleveland, last week.

CHICAGO CARNATION CO.

30 East Randolph St.,

CHICAGO, ILL.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora,
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstaetter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Mention the American Florist when writing

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

FERN S.

Boston, Whitman and Scholzell from bench, 10 and 15 cents, now ready for 5 and 6 inch pots. 5 and 6 inch Boston and Scholzell grown in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO, Ashtabula, O.

Mention the American Florist when writing

Prepare for Thanksgiving and Christmas

Be Successful This Christmas. Don't be defeated in society. Moving in or even thoughts of moving in high society often brings disappointment and sorrow. Be wise and have your eyes open and do as Godfrey Aschmann does. Put your full strength and mind into business. Time lost is money lost. The time—holiday time—now has arrived, so that a proper investment of your pennies can't fail to turn them into dollars. Prosperity is at last once more knocking at your door. There are signs of a big demand for **Christmas Plants.** We were not slow in looking forward by raising an immense stock of **Choice Christmas Novelties, Godfrey Aschmann's quality, such as described below, now in prime condition for the holidays for immediate shipment.**

Araucarias Our Specialty.

6,000 at hand, all sizes.

Araucaria Excelsa is a Christmas novelty of ours that has no end.

Twenty-five years of importing, cultivating and shipping of **Araucaria Excelsa** gained us such a reputation all over America, from ocean to ocean, that it has aroused the young as well as the old, and has inflamed them to such an extent that they want at least one or two of these so much prized evergreen pine trees at Christmas on the Christmas table or in any suitable place in the home.

Look! Christmas trees will be scarce this Christmas. Why? Have you read the report of the United States Department of Agriculture, Notice of Quarantine No. 4 (Domestic), effective on and after Nov. 25th, 1912? This is on account of two injurious insects, the gypsy moth and the brown tail moth. Regulations about Christmas, too, for some of the Eastern States. If you will write to the United States Department of Agriculture, they will mail you all particulars on this subject.

A Christmas tree everybody, especially for the dear little ones, will have. Now, what will you do? I know what I am going to do. Make a break for Godfrey Aschmann's **Araucaria House.** It will give us two advantages. First, it will serve as a Christmas tree; and, look! afterwards it will serve as an ornamental plant for the parlor.

Araucaria Excelsa, 5½ to 5½-in. pots, 2-3 years old 3-4 tiers, 14-15-16 in. high, 40c to 50c; 5½ to 6-in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6-in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6-in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7-in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Ferns.

The growing of **Nephrolepis** for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh sweet air. Old, dark houses bring fungus and make spindly plants.

Neph. Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 5½-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5½ to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6-in., 40c to 50c; 7-in., 75c.

Boston, 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 6-in., 50c; 4-in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, large 4-in., bushy, 15c; 5 in., 25c.

We have a big assortment of 2½-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Begonias Gloire de Lorraine and **Lonsdale**, pink, 5½ to 6 in. pots, 50c, 75c to \$1.00. **Gloire de Cincinnati**, 5, 5½ to 6 in. pots, 50c, 75c, \$1.00, \$1.25 to \$1.50.

Begonia Gloire de Lorraine, 3-in., 12c to 15c.

Our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4-in., 15c to 20c.

Poinsettias, 4-in., 20c to 25c; 5½-in., 35c to 40c.

Large 6-in. pans, Azaleas pots, filled with **Asparagus Plumosus** or **Wilsoni Ferns** or **Alba Lincaata**, with a **Poinsettia** in center, potted six weeks ago, now large and fine, 50c per pan.

Corpha Australis Palms, 5-in. pots, 20-in. high, 35c.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2½-in., \$3.00 per 100; 5½-in., large, 35c to 40c.

Asparagus Sprengeri, 2½-in., \$3.00 per 100.



ONE OF GODFREY ASCHMANN'S ARAUCARIA HOUSES.

AZALEAS.

Our new importation of **Azaleas** are all in and unpacked. Never in our life have we received a better and finer selection of **Azaleas** than this fall. All of them have original foliage and are well budded.

For Christmas Forcing.—If you want to be successful, lose no time and start now. Start the **Azaleas** in low temperature and increase the temperature gradually up to 60 degrees until they show color; then cool off gradually again. We have only the best well-known Christmas varieties, such as *Deutsche Perle*, white; *Simon Mardner*, pink; *Mme. Petrick*, new, pink; *Pharilda Mathilda*, variegated; *Veraneana*, variegated rose; *Apollo*, red. Prices: 50c, 75c, \$1.00, \$1.25 to \$1.50. **For Easter Blooming** and for Easter we have the well-known American varieties, such as *Mme Van der Cruysen*, best pink; *Paul Weber*, *De Schryveriana*, *John Llewellyn*, *Niobe* (white), *Apollo* (red), and a few more good sorts. P. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. We sell our **Azaleas** for cash only, because there is no profit to be made in **Azaleas**.

Our **Mme. Petrick Azaleas** are round as an apple, 50c, 75c, \$1.00, \$1.25 to \$1.50; covered with buds; a child can force them; best pink; earliest of all. All other varieties are covered with buds.

No profit is made on **Azaleas** any more; therefore only **cash with order** will be accepted.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$4.00 per 100; 5½-in., \$2.50 per doz.

Primula Chinensis, John F. Rupp strain, assorted, 4-in., \$10.00 per 100; 5½-in., only \$2.50 per doz.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2½-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100.

Ficus Elastica, Belgium or American stock, 5-5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Daisies, Sanderi, pure white everlasting bloomer, very valuable for cut flowers, 2½-in., \$5.00 per 100.

Jerusalem Cherries (*Solanum*), 6-in., 25c, 35c, 50c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Cocos Weddelliana Palms, single, 3-in. pots, 15c, 18c and 20c.

Areca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 35c.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 6-in., 26 to 28 in. high, 75c to \$1.00.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 4½ to 5 in. pots, 20 to 24 in. high, 30c to 40c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana, 6-in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.

Cineraria Hybrida, our well-known superior strain, which created a sensation last Easter, 2-in., \$5.00 per 100; 3-in., \$7.00 per 100.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants: "Sept. 14th, 1912.

"I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of **Araucarias**, **Ferns** of all sizes, varieties and prices, **Rubbers**, **Palms**, **Azaleas**, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

Two of the Recent Testimonials.

Saskatchewan Greenhouses,

E. J. Coster, Proprietor,

(P. O. Box 75), Prince Albert, Sask., Canada.

Your shipment of Oct. 23rd arrived in first-class shape, and I beg to say I never bought such good ferns at the price in my life, and I have been buying them for over sixteen years. Now I am coming back to you for more stock if you use me as well as you have done this time.

Yours truly, E. J. COSTER.

Amount of order for ferns, \$33.60.

Forest Hill, Houston, Tex., Nov. 8, 1912.

Mr. Godfrey Aschmann,

1012 West Ontario St., Phila., Pa.

Dear Sir:—We thank you for the kind attention given our last order for **Palms** (Oct. 11, 1912, amount \$48.60). They came through in first-class shape. We also thank you for the complimentary palm. I herewith enclose draft N. Y. Exchange for \$76.35 for the following order: 30 **Araucarias**, at 40c up to \$1.50; 25 **Azaleas**, etc. We hope to favor you from time to time with further orders.

Yours truly, FORESTDALE NURSERIES.

John Boyle, Mgr.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Philadelphia, Pa.

ENCHANTRESS SUPREME

THE best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

☞Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

☞A good all around Carnation that retains its color at all seasons.

☞Calyx is longer and narrower than that of the parent variety, and distinct from the latter. ☞Has shown no inclination to be a burster.

☞The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES:

Twelve rooted cuttings.....	\$3.00	One Hundred rooted cuttings.....	\$ 12.00
Twenty-five rooted cuttings.....	5.00	One Thousand rooted cuttings.....	100.00
Fifty rooted cuttings.....	7.00		

Dailedouze Brothers,

Lenox Road and Troy Ave.
BROOKLYN, N. Y.

—10,000—

Primula Malacoides

MUST BE SOLD

Good stock. 2½-in. pots,

**\$2.50 per 100;
\$20.00 per 1000.**

BIG BARGAIN.

Act quick.

Cash with order.

F. F. SCHEEL,
Schermerville, Ill.

Miscellaneous Plants

Smlax, 2-in., per 100, \$1.00. *Dracaena Indivisa*, 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. *Cryptomeria Japonica*, 2-in., per 100, \$5.00. *Asparagus Plumosus*, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

PRIMROSES

Chinensis, Obconica, Alba, Rosea, and Gigantea, 2½ pots,.....at

Per 100 Per 1000

\$1 50 \$12 00

ASPARAGUS

Plumosus, 2½ pots..... 2 00 18 00
Sprengeri..... 2 00 15 00

VINCA VARIEGATA

Field Plant Cut back..... 5 00

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

Per doz.
2 foot Elm Bark Canoes..... \$4.00
3 foot..... 6.00
6 in. Birch Bark..... 1.00

Order a few of each size.

CARNATIONS

F. Dorner & Sons Co.,

LaFayette, - - Indiana.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and *Sprengeri*, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.

Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots. *Malacoides*, Chinese, Forbesi, *Obconica Alba*, *Rosea*, *Lilac*, *Rubra*, *Hybrida*, *Compacta*, *Carmine*, *Blue*, *Sanguinea*, *Kewensis*.

Double Petunia

10 kinds, 2-in.....\$2.00 per 100

Snapdragons

Giant White, Red, Yellow, Pink, 2-in., \$2.00 per 100

Pansies

Giant varieties.....\$2.50 per 1000

Yellow Daisy, 2½-in.....2c

Flowering Begonias, 6 kinds, 2-in.....1½c

Cash. **BYER BROS.,** Chambersburg, Pa.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,
O. Berlin, N. J. Williamstowne Junc., N.

Mrs. Geo. Shawyer

¶ This rose has now been awarded 17 First Class Certificates, and a silver medal, and last week, at Cleveland, secured first prize in the class calling for 25 blooms and also first prize in the 50 bloom class, besides carrying away the sweepstakes over ten classes. Surely, this is enough to establish its value as an exhibition rose. Come and see its productiveness in the greenhouse as a bread and butter rose.

¶ Orders booked for delivery early in the new year at \$30.00 per hundred; \$250.00 per thousand.

CARNATIONS

Commodore. The Improved Victory scarlet.

Northport. Winner of everything in the dark pink classes and the Sweepstakes Cup at Cleveland. "Northport" has received a dozen or more Certificates this fall.

Salmon Beauty and **Enchantress Supreme.** The two salmon colored sports from Enchantress.

All of the above, \$12.00 per hundred; \$100.00 per thousand.

Chrysanthemums

Mrs. G. Lloyd Wigg. Light Yellow.

Gertrude Peers. Fine crimson.

Mrs. G. W. C. Drexel. Incurving pink.

Miss Hazel Deforest. **Mrs. D. F. Roy.** **Clara Banghart.**

All leaders in "Any other color" section.

Chas. H. Totty

Madison, - N. J.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES,

Natick, Mass.

Now is the Time

To Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers. One Dollar. (International money order). Subscribe today and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100,
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, **Newton, N. J.**

FIELD-GROWN**Carnation Plants**

Extra large plants that have been carefully pinched back, having 4 to 8 branches.

VARIETIES:—O. P. Bassett, White Enchantress and Enchantress.

PRICE: \$5.00 per 100. Not less than 100 shipped at this price.

BASSETT & WASHBURN
HINSDALE, ILL.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Vaughan's Specials

For years this trademark has stood for the best in Seeds, Bulbs and Plants.

ARAUCARIAS.

Size pots.	Height.	Whorls.	Each.	Doz.
4-in.	8-10 in.	2-3	\$.50	\$ 5.50
5-in.	12-14 in.	3-4	.75	8.00

Excelsa Glauca.

5-in.	10-12 in.	2-3	.75	8.00
-------	-----------	-----	-----	------

Robusta Compacta.

5-in.	12 in.	3-4	1.25	14.00
7-in.	18 in.	4-5	2.50	

ASPARAGUS.

	Each	Doz.	100	1000
Hatcheri	\$.15	\$1.00	\$7.00	\$65.00

Plumosus Nanus and Sprengeri.

	Doz.	100	1000
Seedlings		\$0.85	\$ 6.00
2 in. pots		\$0.50	3.00 25.00
2 1/4 in. pots		.60	4.00 35.00

ASPIDISTRAS.

	5 and 6 in. pots.
Green-leaved	10c per leaf
Variegated	15c per leaf

Begonia Glory of Cincinnati, 4 in. pots, each, 65c; doz., \$6.50; per 100, \$50.00.

BOXWOOD.

Of all our recent importation we have sold out of all except these sizes.

Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs we allow 10 per cent discount.

	Pyramidal Shaped.	Each.	Pair.
2 1/2 ft. high		\$2 00	\$3 75
3 ft. high		2 50	4 50
3 1/2 ft. high		3 50	6 00
4 ft. high		4 50	8 00

	Globe Shaped.	Each.	Pair.
15 in. high, 15 in. in diameter		\$2 25	\$4 00

Standard or Tree Shaped.

	Each.	Pair.
18 26-in. stem, 18-in. crown		\$3 00 \$5 00

Cyclamen, Vaughan's Giant Flowered, 4-in. pots, each, 40c; doz., \$4.00; per 100, \$30.00.

Deutzia Gracilis, home-grown pot plants for forcing, 70-80 flowering branches, 8-in., each, 30c; doz., \$3.00; per 100, \$20.00.

Dracaenas, Bruanti, Lindeni, Massangeana, and Terminalis, in the best sizes for floral work. Ask about them.

PALMS. In Kentias, Belmoreana and Forsteriana, Phoenix Canariensis and Roebeleni, we have some excellent stock. Ask for prices on sizes to suit.



ARAUCARIA.

FERNS—Extra Choice Stock.

	Each	Doz.	100
Boston , 2 1/2 in.	\$0.10	\$ 0.75	\$ 5.00
" 6 in.	75	8.00	60.00
" 8 in.	1.25	14.00	

Cibotium Schiedel, 7 in., each, \$2.00 and \$2.50

Maiden Hair (Adiantum Hybridum), 3-in., each, 20c; doz., \$1.75; per 100, \$12.00.

Small Ferns, assorted varieties, our selection, 2 1/4 in., doz., 50c; per 100, \$3.50; per 1000, \$32.50.

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best on the market. A trial will convince.

Avalanche. Pure white.

Mme. Emile Mouilliere. White crimped flowers.

Mme. Maurice Hamar. Flesh pink.

Any above, 3-4 flowering shoots, each, 75c; doz., \$8.00.

Otaksa. 3-4 flowering shoots, each, 40c; doz., \$5.00; per 100, \$40.00. 5-6 flowering shoots, each, 75c; doz., \$3.00; per 100, \$25.00.

Souv. de Mme. Chantard. Early dark pink, 3-4 flowering shoots, each, 85c; doz., \$9.00; per 100, \$70.00.

PELARGONIUM Mrs. Loyal, 2 1/4 in., doz., \$1.25; per 100, \$8.00.

PRIMULA Malacoides (The Improved Baby Primrose), 2 1/2 in., doz., \$0.75; per 100, \$4.00.

3 in., doz., 1.00; per 100, 7.00

CHICAGO

31-33 W. Randolph St. Vaughan's Seed Store,

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK

25 Barclay St.

The Early Advertisement Gets There.

Dreer's Special Values in Araucarias



Araucaria Excelsa.

4-inch pots, 6 to 8 in. high, 2 to 3 tiers.....	\$0.30 each
5-inch pots, 14 to 16 in. high, 3 to 4 tiers.....	.60 each
6-inch pots, 16 to 18 in. high, 4 tiers.....	.75 each
6-inch pots, 18 to 20 in. high, 4 tiers.....	1.00 each
7-inch pots, 20 to 24 in. high, 4 to 5 tiers.....	1.25 each

Araucaria Excelsa Glauca.

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$0.75 each
6-inch pots, 13 to 15 in. high, 3 tiers.....	1.00 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.50 each

Araucaria Excelsa Plumosa.

A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$0.65 each
6-inch pots, 12 to 14 in. high, 3 tiers.....	.75 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.00 each

Aspidistra Lurida.

4-inch pots, 6 to 7 leaves.....	\$0.40 each
5-inch pots, 8 to 10 leaves.....	.60 each
6-inch pots, 10 to 12 leaves.....	1.00 each

Aspidistra Lurida Variegata

5-inch pots, 6 to 8 leaves.....	\$0.75 each
---------------------------------	-------------

Hardy English Ivies.

A splendid lot of bushy 4-inch pots, 2½ to 3 ft. high.....\$1.50 per dozen; \$12.00 per 100.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.



Evergreen Plants For Winter Effects.

With the approach of cold weather there will be a great demand for Evergreens and Plant Boxes for winter decoration. We can supply both the trees and boxes shipped separate or already planted. Write for prices of the various styles and sizes; or let us ship a sample pair as follows:

10x10 Mission Boxes with 24-in. Arbor Vitae,	-	\$3.75	per pair
12x12 " " " 30-in. " " "	-	4.70	" "
14x14 " " " 36-in. " " "	-	7.00	" "
10x10 " " " 18-in. Norway Spruce,		3.75	" "
12x12 " " " 24-in. " " "		4.70	" "
14x14 " " " 36-in. " " "		7.00	" "
24-in. Veranda Box with Asst. Evergreens & Boxwood		4.25	" "
30-in. " " " " " " "		5.00	" "
36-in. " " " " " " "		6.50	" "

**Wagner Park Conservatories,
SIDNEY, OHIO.**

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Index to Advertisers.

Advance Co The.....1080
 Albany Cut Flower Ex.....1051
 Alpha Floral Co.....1053
 American Spawm Co.....1062
 American Wooden
 Ware Mfg Co.....111
 Amling E C Co.....1047
 Anderson S A.....1053
 Andorra Nurseries.....1064
 Angermueller G H.....1048
 Aphine Mfg Co.....1078
 Aschmann Godfrey.....1067
 Atlanta Floral Co.....1054
 Auburndale Gold
 Fish Co.....1046
 Austin H.....1043
 Bader Jno & Co.....1061
 Badgley Reidel &
 Meyer, Inc.....1051
 Barrows H H & Son.....1060
 Bassett & Washburn
 ..1041 1060 1062 1070
 Bayersdorfer H.....1080
 Beaven E A.....1043
 Benard G.....1064
 Berger Bros.....1048
 Berning H G.....1048
 Berterman Bros Co.....1054
 Black Chas.....1060
 Bobbink & Atkins.....1064
 Boddington A T.....1060
 Bodger J & Sons Co.....1063
 Boland J B Co.....1053
 Bolgiano J & Sons.....11
 Bowe M A.....1055
 Brasian Seed Grow
 Co.....1058
 Breitmeier's J Sons.....1054
 Brown Alfred J Seed
 Co.....1058
 Brown Bag Filling
 Machine Co.....1061
 Bruns H N.....1061
 Buchbinder Bros.....1080
 Buckbee H W.....1056
 Budlong J A.....1038 1042
 1044 1046 1047
 Burnett Bros.....11
 Burpee W A & Co.....11
 Byer Bros.....1068
 Caldwell the Woods-
 man Co.....1043
 California Seed Grow
 Assn.....1058
 Camp Conduit Co.....111
 Canfield A C.....1063
 Chattahoochee Flo Co.....1043
 Chicago Carn Co.....1066
 Chicago Flower
 Growers Assn.....1045
 Chicago House
 Wrecking Co.....1080
 Clark E B Seed Co.....11
 Clark's Sons David.....1055
 Cleveland Cut
 Flower Co.....1055
 Conard & Jones.....1071
 Cooke Geo H.....1053
 Cotsonas Geo & Co.....1043
 Cowee W J.....1076
 Coy H C Seed Co.....1060
 Craig Robt Co.....1066
 Critchell C E.....1049
 Cross Eli.....1066
 Crump Frank F.....1054
 Cunningham Jos H.....1068
 Dailledouze Bros.....1068
 Daniels & Fisher.....1055
 Dards Chas.....1054
 Day.....1043
 Deamud J B Co.....1035
 Detroit Flower Pot
 Mfg.....111
 Dietsch A & Co.....114
 Diller Caskey &
 Keen.....1080
 Dillon J L.....1071
 Dingee & Conard Co.....1071
 Domoto Bros.....1042
 Dorner F & Sons.....1068
 Dreer H A.....111 1071 1080
 Duerr Chas A.....1056
 Dunlop John H.....1055
 Dwell - Kaiser Co
 The.....1078
 Eagle Machine Wks.....1079
 Edwards Folding
 Box.....1072
 Emmans Geo M.....1070
 Elk Galax & Fern
 Co.....1043
 Erie Floral Co.....1
 Erne & Klingel.....1042

Esperance L Nurs.....1064
 Eubank L J.....1043
 Eyles H G.....1055
 Fish Henry Seed Co.....1063
 Florists' Hall Assn.....1080
 Foley Mfg Co.....114
 Fottler, Fiske,
 Rawson Co.....11
 Franklin Plant Farm.....1062
 Fraser Samuel.....1064
 Freeman Mrs J B.....1056
 Freeman & Sons S.....1079
 Freres D E.....1036
 Froment H E.....1051
 Galvin Thos F.....1055
 Garland G M.....1078
 Gasser J M Co.....1055
 Geny Bros.....1056
 Giblin & Co.....1078
 Godineau R & M.....1061
 Gorham & Chapline.....1077
 Grand Rapids
 Flower Co.....1055
 Gude Bros.....1054
 Gunterberg M C.....1038
 Gutman Alex J.....1051
 Hart Geo B.....1050
 Hatcher, Florist.....1056
 Haven Seed Co The.....1061
 Heacock Jos Co.....1057
 Heintz John & Son.....1053
 Henderson A & Co.....1052
 Herr Albert M.....1068
 Herrmann A.....1076
 Hess & Swoboda.....1054
 Hesse & Co.....1063
 Hews A H & Co.....111
 Hilfinger Bros.....111
 Hines E Lumber Co.....1080
 Hitchings & Co.....1077
 Hoekner L.....1042
 Hoerber Bros.....1038
 Hoffman Flo Artist.....1055
 Hoffmeister Flo Co.....1049
 Hoff & Olson.....1054
 Holton & Hunkel Co.....1048
 Home Cor School.....1078
 Hooker H M Co.....1079
 Hurff Edgar F.....1061
 Igoe Bros.....1072
 Illinois Pipe Mfg Co.....1077
 Isbell S M & Co.....11
 Jackson & Perkins.....1064
 Johnson J Oliver.....1043
 Johnson W W & Son.....11
 Jones Percy.....1034
 Kasting W F Co.....1049
 Keller Geo & Sons.....111
 Keller JB & Sons.....1056
 Kellogg Geo M.....1053
 Kennicott Bros.....1044
 Kervan Co The.....1051
 Kessler W A.....1051
 Kift Robt.....1055
 Kimball O A Co.....1043
 King Construct Co.....1079
 Kohr A F.....111
 Kramer I N & Son.....1079
 Kroeschell Bros Co.....1078
 Kruchten John.....1040
 Kuehn C A.....1048
 Kuhl Geo A.....1068
 Kyle & Foerster.....1047
 LaCrosse Floral Co.....1053
 Lager & Hurrell.....1
 Lange A.....1053
 Landreth Seed Co.....11
 Law's Nurseries.....1064
 Law, Sommer & Co.....1060
 Lecakes N L & Co.....1051
 Lederer.....1079
 Leedle Floral Co.....1060
 Leleche Emil.....1049
 Leonard Seed Co.....1061
 McCallum Co.....1049
 McConnell Alex.....1053
 McCoy L W.....1056
 McCullough's J M
 Sons Co.....1049
 McFarland Pub-
 licity Service.....1059
 McHutchinson & Co.....1063
 McKellar Chas W.....1047
 McKenna P & Son.....1055
 McWillan, W C.....1043
 Mangel.....1053
 Mann Otto.....11
 Matthews Florist.....1055
 May & Co L L.....1053
 Meconi Paul.....1051
 Metropolitan Mat Co.....1079
 Mette Henry.....1062
 Meyer John C & Co.....1043

Michigan Cut Flower
 Exchange.....1043
 Miller E S.....1061
 Moninger J C Co.....114
 Montreal Floral Ex.....1049
 Moore, Hentz &
 Nash.....1051
 Morehead Mfg Co.....1080
 Mt Gilead Pottery
 Co.....111
 Munk Floral Co.....1048
 Murray Samuel.....1054
 Myers Florist.....1056
 Nat Flo B of Trade.....1078
 N Y Cut Flower Ex.....1051
 Niessen Leo Co.....1049
 Northern Michigan
 Evergreen Nurs.....1043
 Oechslein Frank.....1060
 Oklahoma Seed Gro
 Co.....1061
 Palethorpe P R Co.....111
 Palmer W J & Son.....1054
 Park Floral Co.....1054
 Peacock Dahlia Fms.....1068
 Pedrick Geo & Son.....1061
 Pennock-Meehan Co.....1051
 Penn the Florist.....1054
 Peters & Reed Poty III
 Peterson & Sons J A.....1
 Pierce F O Co.....1078
 Pierson A N (Inc).....1056
 Pierson F R Co.....1061
 Pieters & Wheeler
 Seed Co.....1058
 Pillsbury I L.....1072
 Pinkston Jas E.....1043
 Pittsburg Cut Flo Co.....1052
 Podesta & Baldocchi.....1055
 Poehlmann Bros Co.....1055 1065
 Pollworth C C Co
 Co.....1048 1055
 Pulverized Manure
 Co.....1078
 Purnell W Z.....1043
 Quaker City Machine
 Works.....1072
 Raddelein Basket Co.....1040
 Randall A L Co.....1047
 Rawlings Elmer.....1068
 Ready Reference.....1073
 Randolph & Mc-
 Clements.....1080
 Reed & Keller.....1080

Regan Ptg House.....1079
 Reid Edw.....1048
 Reinberg Geo.....1047
 Reinberg Peter.....1039
 Reuter Chris.....1061
 Rice Bros.....1048
 Rice & Co, M.....1043
 Robinson J C Seed Co.....1063
 Rock W L Co.....1054
 Rohrbert Seed Co.....1063
 Rossi Angelo J.....1056
 Routzahn Seed Co.....1060
 Rusch G & Co.....1048
 Saakes O C.....1055
 Saltford Flower Shop.....1054
 Scheel F F.....1068
 Schilder Bros.....1061
 Schiller, the Florist.....1056
 Schillo Adam.....1077
 Schlatter W & Son.....1072
 Schling Max.....1056
 Schmidt J C.....1068
 Schultz Jacob.....1054
 Scott John.....1063
 Seattle Cut Flo Ex.....1049
 Shaffer Geo C.....1055
 Sharp Partridge & Co.....1076
 Sheridan W F.....1051
 Situation & Wants.....1033
 Skidelsky S S & Co.....11
 Smith A W & Co.....1055
 Smith ED & Co.....1073
 Smith & Hemenway.....1078
 Smith Henry.....1055
 Smith Wm C.....1048
 Smith W & T Co.....1
 Stearns Lumber Co.....1077
 Stoothoff H A Co.....1078
 Storrs & Harrison.....1064
 Superior Machine
 & Boiler Works.....1077
 Syracuse Pottery Co.....111
 Taylor Steam Trap
 Co.....1079
 Texas Seed & Flower
 Co.....1053
 Thompson Car Co.....1070
 Thorburn J M & Co.....1063
 Tong & Weeks.....1066
 Totty Chas H.....1069
 Trimble W E
 Greenhouse Co.....1047
 Uecke Chas F.....1043
 Valentine Frank.....1053
 Vaughan A L & Co.....1034

Vaughan's Seed Store
 1111 1057 1060 1063
 1070 1080
 Vestals.....1056
 Vick's Sons Jas.....1061
 Vincent R Jr.....1062
 Virgin U J.....1056
 Vonder Linden J.....1051
 Waban Rose Con.....1070
 Wagner Park Cons.....1071
 Walker F A & Co.....1056
 Ward & Co, R M.....11
 Weeber & Don.....1060
 Weiland & Risch.....1047
 Welch Bros.....1049
 Western Seed &
 Irrigation Co.....1060

Wietor Bros.....1037 1047
 Wilks S Mfg Co.....1079
 Williams Mrs E A.....1056
 Wilson R G.....1053
 Winandy M & Co.....1072
 Windler Wholesale
 Florist Co.....1047
 Wittbold G Co.....1053
 Wittbold Henry.....1045
 Wolfskill Bros &
 Morris Goldenson.....1055
 Wood Bros.....1060
 Yokohama Nurs Co.....11
 Young & Nugent.....1053
 Zech & Mann.....1044
 Ziska Jos.....1046

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
 PHILADELPHIA, PA.



BEFORE

No loss if you
 mend your
 split carna-
 tions with
 Superior
 Carnation
 STAPLES
 50c per 1000
 postpaid.



AFTER

Wm. Schlatter
 & Son,
 422 Main St., Springfield, Mass.



Mention the American Florist when writing

Split Carnations

Quickly, Easily and
 Cheaply Mended.
 No Tools Required.

Pillsbury Carnation Staple

Patented 1898.
 2000 for \$1.00 postpaid.

I. L. PILLSBURY,
 Galesburg, Ill.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
 Quaker City Machine Works,
 Richmond, Ind.



Model Extension Carnation Support

Made with two or
 three circles. En-
 dorsed by all the
 Leading Carnation
 Growers as the best
 support on market

Pat. July 27, '97. May 17, '98
**GALVANIZED WIRE
 ROSE STAKES.**

Write for prices before
 ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.
 BROOKLYN, N. Y.

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
 AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St., CHICAGO
 Telephone Ravenswood 607.

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a
 greenhouse, be it large or small, and that, too, in a plain,
 easily understood, practical way. It has 210 pages and
 118 illustrations. **PRICE, \$1.50.**

Greenhouse Management

By the same author. Covers the subject completely. 382
 pages. **PRICE, \$1.50.**

AMERICAN FLORIST CO.,

440 S. Dearborn St.

Chicago

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 2 to 3 tiers, 75c each; \$9 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ARDISIAS.

Ardisias. A few hundred well berried in 4 and 5-inch pots, 50c each. H. Steinmetz, Raleigh, N. C.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$3 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices, see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 4-in., 30c; 5-in., 40c to 50c; 6-in., 75c to \$1 each. Glory of Cincinnati, 3-in., 25c; 4-in., 35c; 5-in., 60c to 75c; 6-in., \$1 to \$1.25 each; fine clean plants in bud. ROBER & RADKE, Maywood, Ill.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, in bloom, 6-in., 75c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Gloire Lorraine, 5-in., \$35 per 100. Erie Floral Co., Erie, Pa.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, callas, freesias, narcissus, hyacinths, oxalis, iris. For varieties and prices see advertisement elsewhere in this issue. James Vick's Sons, Rochester, N. Y.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Lilium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokobama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; or \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

FIELD-GROWN CARNATION PLANTS.

	Strong, Healthy.	Per 100	Per 1,000
Enchantress		\$6.00	\$55.00
Washington		6.00	55.00
White Lawson		4.00	35.00
Winsor		4.50	40.00
Victory		5.00	45.00
White Perfection		6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

	Clean, well grown and healthy.	ORDER NOW.	Per 100	Per 1,000
White Enchantress			\$6.00	\$50.00
Enchantress			6.00	50.00
C. W. Ward			6.00	50.00
Pink Delight			6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

Carnations, all plants guaranteed satisfactory. 5,000 R. P. Enchantress, 5,000 W. Enchantress, 2,000 Pale Pink Enchantress, 3,000 O. P. Bassett, red; 1,000 Sangamo, 500 Afterglow, red; \$5 per 100; \$45 per 1,000; 250 at 1,000 rate. Cash, please. C. L. Van Meter, Monticello, Iowa.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnations, field-grown, strong, bushy, fibrous roots. R. P. Enchantress, Enchantress, White Enchantress, Winsor, \$5 per 100; \$40 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailledouze Bros., Lenox road and Troy Ave., Brooklyn, N. Y.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Commodore, Northport, Salmon Queen, Enchantress Supreme, Chas. H. Totty, Madison, N. J.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, assorted, 6-in., 25c each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTHEMUMS—Crocus, \$1.50 per doz.; \$8 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonafon, Golden Wedding, Touset and Halliday, \$4 per 100. Otto J. Hembreiker, Lincoln, Ill.

Chrysanthemums, stock plants. Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Wells-Pocket novelties, also list of novelty singles, such as Josephine, Jean Edwards, etc., etc. Chas. H. Totty, Madison, N. J.

Stock plants in all desirable varieties cheap. Write C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Eli Cross, Grand Rapids, Mich.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, best English and German strain, 3-in., 8c; 4-in., 12c-15c; 4½-in., 20c-25c; 5-in., 35c-50c; 6-in., 60c-75c. Good strong, healthy plants, well budded. Larger sizes partly in bloom. August seedlings, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen giganteum, 5-in., 25c each; \$3 per doz.; 6-in., 35c each; \$4.20 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen in bud and bloom, \$3, \$6, \$9, \$12 and \$18 per doz. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen, 6-in., 75c each; 7-in., \$1 to \$1.50 each. Pochlmann Bros. Co., Morton Grove, Ill.

DAISIES.

Daisies, Sanderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

DRACAENAS.

Dracena indivisa, fine, well shaped, 6-in., 15c each. Cash. J. C. Rennison Co., Sioux City, Iowa.

Dracaenas, Bruanti, Linden, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Pochlmann Bros. Co., Morton Grove, Ill.

Dracena massangeana, 6-in., \$1.25 to \$1.50 each. Pochlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, 2-in., \$2 per 100, Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, home grown pot plants for forcing, 70 to 80 flowering branches, 8-in., 30c each; \$3 per doz.; \$20 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Boston, 2½-in., 10c each; 75c per doz.; \$5 per 100; 6-in., 75c each; \$8 per doz.; \$60 per 100; 8-in., \$1.25 each; \$14 per doz. Cibotium Schiedel, 7-in., \$2 and \$2.50 each, Maiden Hair, 3-in., 20c each; \$1.75 per doz.; \$12 per 100. Small ferns, assorted, our selection, 2½-in., 50c per doz.; \$3.50 per 100; \$32.50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, Whitman, Scholzei, from bench 10c and 15c; 5 and 6-in. Boston and Scholzei, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Adiantum Croweanum, 4-in., \$15 per 100. Adiantum Hybridum, 5-in., \$25 per 100. Adiantum Cuneatum, 4-in., \$10 per 100. Cibotium Schiedel, 6-in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

FERNS—Extra heavy Boston, 4-in. pots, \$2 per doz.; \$15 per 100. Selaginella (Moss Fern), 2½-in., fine and bushy, \$3 per 100. Wagner Park Conservatories, Sidney, O.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FIGUS.

Ficus elastica, 4-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., branching, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus pandurata, 6-in., 3 ft. high, \$3.50 each; 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Pochlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c, 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums, 2-inch, Roseleur, Nutt, Dagata, Ricard, Red Wing, Viand, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poltevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

ROOTED GERANIUM CUTTINGS—To make room I offer for a short time 10,000 S. A. Nutt, \$12.50 per 1,000 or \$100 for the lot; 2½-in. S. A. Nutt, \$18.50 per 1,000. Otto J. Hembreiker, Lincoln, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, S. A. Nutt, R. C., \$1.50 per 100; \$12 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Geraniums, rooted cuttings, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

MME. SALLEROL, 2-in., \$2 per 100; \$18 per 1,000. ROBER & RADKE, Maywood, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, holly, \$3 per case. Green sheet moss, \$1.25 per bbl. Laurel branches, \$2.50 per case. Laurel stems, \$1 per bag. W. Z. Purnell, Snow Hill, Md.

Greens, Bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Arbor-Vite clippings, 5 to 12 in. long, case 18x18 ins. x 4 ft., \$2. White pine clippings, 5 to 12 ins. long, cases, 18 x 18 ins. x 4 ft., \$2. Chas. F. Uecker, New London, Wis.

Greens, buckeberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, holly, bouquet green, immortelles. Write for prices. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Greens, boxwood, 15c per lb., cash with order, 13c. Berried holly, \$2.50 per case. Log moss, 2c per lb. W. C. McMillan, Crosby, Tenn.

Desert holly, crates 2x2x2½ ft., f. o. b., Armargosa, \$5. Sample, 50c and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-inch holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Bouquet greens, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Holly. T. E. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas, imported pot-grown stock, 6 to 7-in. pots, Avalanche, Mme. Emile Mouilliere, Mme. Maurice Hamar, 3-4 flowering shoots, 75c each; \$8 per doz. Otaksa, 3-4 shoots, 40c each; \$5 per doz.; \$40 per 100; 5-6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mme. Chantard, 3-4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pot. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, pot-grown, 5½, 6, and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 4-in. pot plants, strong, frame grown, well set with flowers and berries, 5c. Cash. J. C. Rennison Co., Sioux City, Iowa.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Valley for Christmas, Brun's Celebrated Chicago Market are the finest cold storage valley, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.80 per 100; \$16 per 1,000. New stock now ready. Best valley for early forcing, \$16 per 1,000. H. N. Bruns, 3032-42 W. Madison St., Chicago.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$3; 500, \$3.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$8.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spaw Co., St. Paul, Minn.

NURSERY STOCK.

Evergreen plants. For varieties and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Australian timber and other tree seeds. Couch grass. Law, Somner & Co., Melbourne, Australia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms in all sizes, from 4-in. to 12-in. tubs. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

PANSIES.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, 2½-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Christmas and New Cluster, 4-in., \$2 per doz.; 5-in., \$3 to \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, double, 10 kinds, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 8c; 4-in., 12c to 15c; 5-in., made-up pans, 35c to 50c; 6-in., made-up, 75c. Rober & Radke, Maywood, Ill.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2½-in., \$5 per 100; \$45 per 1,000. Erie Floral Co., Erie, Pa.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Sinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula obconica, in bloom, 4-in., \$2 per doz.; 5-in., \$3.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primula malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, Obconica alba, rosea, Kermesina, gigantea, 2½-in. pots, \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, Ohio.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Schermerville, Ill.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Abutilon Savitzi; Acalypha Macaefean; Achyranthus Emersoni; ageratum, blue and white, 5 sorts; alternantheras, 6 sorts; Begonia Vernon, pink; Coleus, Golden Bedder, Verschaffelti, etc.; fuchsias; hardy English ivy; heliotrope; lantana; lemon Verbena; moonvines, white and blue; Salvia Bonfire, Zurich; Swainsona alba, rosea, rooted cuttings, 60c per 100; \$5 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

ROSES.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$250 per 1,000; grafted stock, \$5 per 100 extra. Wabau Rose Conservatories, Natick, Mass.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschendorff, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, Mrs. Geo. Shawyer, Chas. H. Totty, Madison, N. J.

Rose Lady Hillington, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, pink and white Cochet, \$75 per 1,000. A. C. Canfield, Springfield, Ill.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early spring sales.

Begonia Bedding Queen, finest Pink.	\$2.50	Pkts.
Begonia Gracillius luminosa, finest red	2.50	Pkts.
Begonia Triumph, finest white.....	2.50	Pkts.
O. V. Zangen,	Hoboken, N. J.	

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive, California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, sweeds, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds. Burnett Bros., 72 Cortlandt St., New York.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGON.

Snapdragons, giant white, red, yellow and pink, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Vegetable plants, cabbage: see varieties, Early Jersey Wakefield, Charleston Wakefield, Succession, Louisville and Drum Head, Large Late Flat Dutch. Lettuce: Big Boston, Giant White Forcing, Tennis Ball, Grand Rapids, etc., 1,000 to 4,000 lots, \$1.15 per 1,000; 5,000 to 10,000 lots, 90c per 1,000. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca variegated, rooted tips, \$1 per 100; \$9 per 1,000. E. C. Wagoner, R. D. No. 1, Beaver Falls, Pa.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152. Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.80; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Nicotide Bug Killer. P. R. Palethorpe Co., Clarksville, Tenn.

Florists' supplies and wire designs. Joseph Ziska, 151-153 N. Wabash Ave., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Richmond Carnation Supports. Eagle Machine Works, Richmond, Ind.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.

Aming Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Badgley, Reidel & Meyer, Inc., New York.

Bassett & Washburn, Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Domoto Bros., San Francisco, Calif.

Freres, D. E., Chicago.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880

22nd and Lumber St.

CHICAGO

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

**Wired
Toothpicks**

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Trade Directory

PRICE: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO

Froment, H. E., New York.

Guttman, Alexander J., Inc., New York.

Hart, Geo. B., Rochester, N. Y.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Montreal Floral Exchange, Ltd., Montreal, P. Q.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust. Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Poehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Reid, Edward, Philadelphia, Pa.

Seattle Cut Flower Exchange, Seattle, Wash.

Sheridan, W. F., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Tonner, O. A., Chicago.

Totty, Chas. H., Madison, N. J.

Weiland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wictor Bros., Chicago.

Windler Wholesale Floral Co., St. Louis.

Wittbold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

It Simmers Down to This:

DON'T let the pennies you save shut out the dollars you could make. All some growers see are the pennies they save today. All some of their neighbors see are the dollars they will make to-

morrow. One keeps on saving pennies—the other never stops making dollars. Which kind are you? The dollar man is buying our Iron Frame Houses.

Send for our New Commercial Catalogue.



Hitchings & Company, ELIZABETH, N. J.

Mention the American Florist when writing

GREENHOUSES!
 MATERIAL FURNISHED
 AND
 MEN TO SUPERINTEND
 ERECTION IF DESIRED.
CYPRESS SASH BARS
 ANY LENGTH UP TO 32 FEET OR LONGER.
 THE J. L. STEARNS LUMBER CO.,
 NEWBURYPORT, BOSTON, MASS.

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
 2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements,
 Cards and Special Shipping Labels,
 also Seed Envelopes.

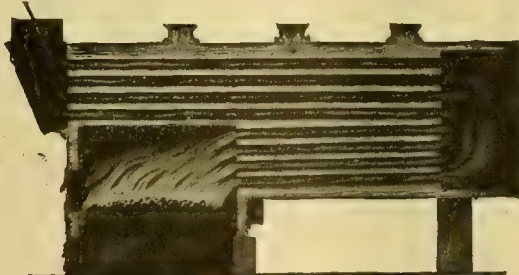
Plate Making and Color Work.

Gorham & Chapline Printery
 542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

“SUPERIOR”

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works
 846-848 W. Superior St., CHICAGO, ILL

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
 L.D. Phones: Lincoln 410 and 411

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School

Dept. A. F., Springfield, Mass.

Green Flies and Black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. STOOFF CO., MOUNT VERNON, N. Y.

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-Five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.



Pulverized or Shredded Cattle Manure
Pulverized Sheep Manure

Unequalled for Greenhouse Fertilizing.

Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.

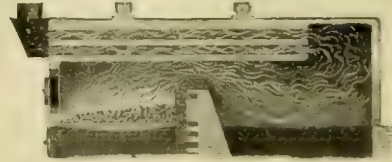
32 Union Stock Yards, Chicago

GREENHOUSE BOILERS.

GREENHOUSE BOILERS.

THE KROESCHELL BOILER

Catalogue on



Application.

IS THE ONLY PERFECT HOT WATER BOILER

We Manufacture Every Type of Boiler in Use.

But our greenhouse boiler, because of its special form of construction, possesses many advantages over those of any other type.

KROESCHELL BROS. CO., 452 Erie St., CHICAGO

Mr. Retailer,

We have designed a small greenhouse especially for your purpose. We can furnish you all the material completely to erect same including boiler and heating system and hose for iron frame house 14 feet wide by 25 feet long for \$400.00. Write us to-day for our proposition.

GEO. M. GARLAND CO.

Lock Box S.

DES PLAINES, ILL.

ARE YOU USING THIS "RED DEVIL" GLASS CUTTER?



Red Devil Glass Cutter No. 024.

WE have given away free to all the alert florists who applied one of these "Red Devil" Glass Cutters. A good many thousand florists are now using it to cut their greenhouse glass. If you are not using Genuine "Red Devil" Glass Cutters, you are not using the best, the kind all glaziers use. Ask any hardware dealer for "Red Devil" Glass Cutters. They all sell them. Send us 3 2c stamps and one sample only will be sent you postpaid.

SMITH & HEMENWAY CO., 150-152 Chambers Street, New York City, N. Y.

Makers of "Red Devil" Glass Cutters and 3000 Other "Red Devil" Tools.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Always

mention The American Florist when you order stock. : :



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE. For GREENHOUSES

See Our Catalogue.

Steam and Hot Water

GIBLIN & CO., Ulica, N. Y.

Mention the American Florist when writing

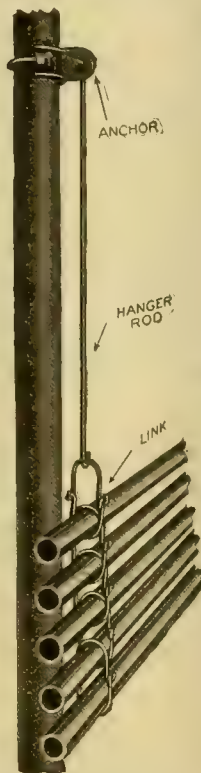
An Improved Pipe Hanger.

Allows for expansion of individual pipe as well as the whole coil.

Write for Prices.

King Construction Company,
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway.
BOSTON: 410 Winthrop Building.



ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

METROPOLITAN MATERIAL CO.

PATENTED

Greenhouse Boilers and Construction Material

Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

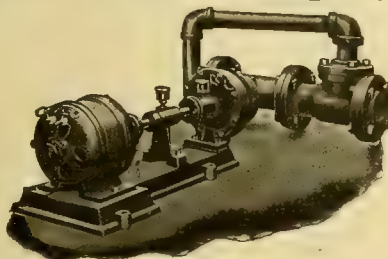
H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard,
Near Des Plaines St. **Chicago**

Hot Water Heating by Taylor Syphon Circulator



36-38 Jackson Street,

A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

BATTLE CREEK, MICH.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. **CHICAGO**

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, **CHICAGO**

Mention the American Florist when writing

EAGLE MACHINE WORKS

RICHMOND, IND.



Exclusive
manufacturers
of the

"RICHMOND"
CARNATION SUPPORT

Under Patent issued April
4th, 1911.

Write for prices; also on
Rose and 'Mum Stakes.

Peerless

Refrigerators

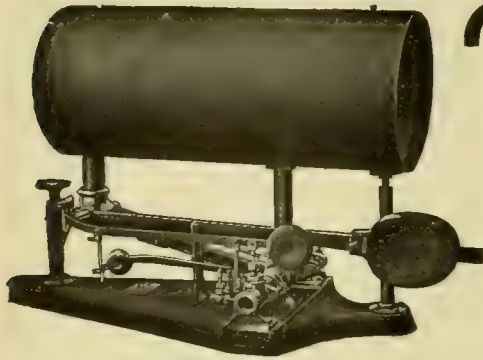
Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - **CHICAGO**

Phone 2496 Monroe



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



This Beautiful Lawn Vase Only \$4.90.

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price\$4.90
4C12003, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.
MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.

Mention the American Florist when writing

Pecky Cypress Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Roschill Branch: Baltimore Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing



Every Greenhouse

Must have a **Ventilating Equipment**; and when buying, why not buy the best? Our **ADVANCE EQUIPMENT** is positively unequaled, durable, mechanical, and easily operated.

Each and every part is absolutely guaranteed, and the first cost is the only cost.

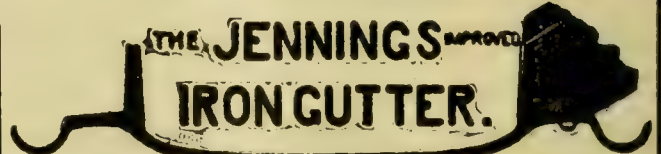
We also manufacture a line of **FITTINGS**, which is the best on the market—anything you want.

Send for our new catalogue and prices. They will please you.

ADVANCE CO.,

Richmond, Ind.

Use our patent
Iron Bench
Fittings and
Roof Supports



IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,
S. W. Corner Sixth and Berk Streets, PHILADELPHIA.

VENTILATING
APPARATUS

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing

VAUGHAN'S



No. 2. Large single thick glass.
No. 2½. Double thick.
Price, per 1000, 55c; by mail, 70c; 5,000, by express, \$2.50.
VAUGHAN'S SEED STORE
Chicago, New York

Drer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c, postpaid. Samples free.
HENRY A. DEER,
714 Chestnut Street, Philadelphia.

FULL
SIZE
No. 2

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass shipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and 1. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50; 15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists,
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, NOVEMBER 30, 1912.

No. 1278

THE AMERICAN FLORIST

ESTABLISHED 1835.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTT, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Christmas Greens.

The greens for Christmas are a proper part of the flower trade and the procuring of good stock and the arrangement and proper showing of these holiday necessities is attended to early by the wide-awake florist. Too often the handling of this stock is left to the corner grocery or provision store, the proprietor of which procures cheap stock and gets the business because he displays and advertises it, while the florist is backward in letting his customers know that he has the goods and that they are of much better grade than can be procured of his holiday competitor. It is good business to display some of the Christmas greens ten days or two weeks before the holidays and thereby let the trade know that the store or greenhouse will be able to supply the demand. While this may result in a small loss by the drying of these samples, yet the increased sale will more than compensate for this. The sale of Christmas trees can also be made a feature of the holiday trade and a display of them in front of the store and office is certain to attract attention and induce trade.

Holly.

First and foremost of the holiday greens will come the holly, which is closely associated with Christmas, especially with Englishmen and Americans. The holly is said to be very well berried this year and that there will be much more good stock than was obtainable last season, but from present indications the price will be about the same as has prevailed during the last few years. A sample case should be obtained as an early delivery and bunches and made-up work displayed to attract the customer's attention. The balance of the stock can be ordered so as to be received just before the time of delivery and a high grade article to fill the orders will be assured. The uses of holly are many. Much will be sold in bunches for the customers to take home and arrange as their fancy dic-

tates, and these will be hung in the windows and around the rooms of the dwellings. Nice selected sprays should be tied together in different sizes and of different prices for the selection of the buyers. It will surely result in much waste if the open case is at the customer's hands for the branches will be turned over and over and many of the berries broken off, but this can be obviated by having bunches already for delivery or selection. Holly wreaths are always in demand and these should be made of selected pieces with plenty of berries, and if the branches are not heavily fruited more berries may be wired on. Holly festooning is rarely used, it being much too expensive and the cheaper greens are more often employed. A custom of many dealers is worthy of emulation; short sprays of holly that are well covered with berries are selected and with all boxes of cut flowers, which at this season are mostly presents, one of these sprays is placed on the top of the flowers or neatly tied on the outside of the box with a Christmas red ribbon. This little courtesy of the day is sure to be appreciated.

When the cases of holly are received keep them in a cool place away from all boilers or fire heat. It is far preferable to allow them to be in a freezing temperature than in a warm dry room, but a cool damp cellar is the best location and the leaves will hold their fresh look for many days.

Boxwood.

A supply of boxwood has become an actual necessity in all up-to-date florists' establishments doing a retail trade, not only at Christmas but throughout the season. The uses of this beautiful green are many and varied. It makes most beautiful wreaths and these can be arranged either by being bound to a wire or the sprays cut into short lengths and inserted in a frame filled with moss in the same manner that floral work is arranged. This will greatly depend upon where the wreath is to be used.

Index to Advertisers,
Page 1124

Ready Reference Advt.s,
Page 1125

**Help and Situations Wanted,
Advertisements,**
Page 1089

If to be hung in the window it should be of the kind bound on the single wire and made double, that is, both sides finished with the green. Boxwood also makes very showy balls that may be hung from chandeliers, doors or in the windows. A few bunches of red immortelles or winterberries can be placed in these to give the Christmas color. Miniature trees made of boxwood, in the round shape such as globe bay trees, are very decorative and can be used in table decorations or for a table ornament. These as well as the balls are made by making a small round ball of moss and inserting short sprays of boxwood into it. The balls have a wire fastened in the moss by which they are hung and those that represent trees are fastened on the top of a stick with the bark on, the stick being securely placed in a pot. Small sprays are also inserted in moss placed in the small white chinaware and these placed on the table for dinner decorations are very effective. Boxwood can also be used as a green with many flowers where the cut sprays of asparagus are not to be had. Selected sprays are a beautiful green to be used with carnations. Another arrangement where boxwood is handy is to place a few sprays in the pot of a plant that has lost its lower foliage, thereby removing the bare look which the plant would otherwise have.

Laurel.

Next to holly probably more laurel is used than any other green, and in some sections of the country where laurel is plentiful its use exceeds that of holly. Laurel makes by far the most decorative festooning and thousands of yards of this material are draped in stores, residences, halls and churches during the week preceding Christmas. This green is also the most employed in wreaths which can be purchased in all sizes and at all prices. Laurel makes up in wreaths very easily and prettily. The better way is to purchase a single wire wreath frame or if this cannot be obtained handily the ordinary wreath frame can be made into four by cutting out the connecting wires. The sprays of laurel are then bound on to this single wire by a finer wire, the sprays being laid on and the wire passed over the stems in the same manner that festooning is made. If made on the frame, they hold their form when hung much better than those that are bound without any wire or stick to preserve the wreath shape. In decoration where large vases of flowers are arranged a few long sprays of laurel under the flowers give the arrangement a proper setting and a fine finish. One of the best features of laurel is that it is equally good outside as in, for the cold has but little effect upon the leaves and it looks as well after repeated freezings and thawings as when first put up.

Galax and Magnolia Leaves.

These two greens are perhaps not particularly associated with Christmas but they are used extensively at this time as well as at all seasons of the year. There has been a growing custom in many sections of the country of placing some Christmas gift or memento of green or flowers upon the graves of departed relatives, and the galax, magnolia leaves and sprays

of leucothoe are used largely for this purpose, wreaths of these being very appropriate and filling the demand. The other greens are also used for this purpose, especially the boxwood and laurel. In making wreaths of galax they should be made very thick and heavy, for freezing weather has a tendency to curl the leaves and if placed outdoors in sections where the weather is apt to be cold, it is well to have leaves enough in the design to cover the frame, for otherwise when the leaves curl the moss can be plainly seen. Magnolia leaves make one of the richest wreaths for this purpose and they are not affected by the weather. Leucothoe is also a very good green for this purpose and if some of the dried flowers and foliage are arranged with this green some beautiful work can be supplied. Statice and wheat are both appropriate for this purpose and add greatly to the appearance.

Christmas Trees.

The demand for Christmas trees is increasing every year, and in some sections where they were formerly cut, the woods have been depleted and the gatherers have to go farther back to get what the trade demands. The cedars in many places have been entirely cut out and the greater number of trees now shipped to market are balsam and spruce. The former is the most desired for they have a pleasant odor and are generally of good shape for the purpose of hanging upon them the presents and candles and other ornaments. To successfully handle this trade the dealer should have supports made which will hold the tree erect, for in the cities especially the customer will not have the articles necessary to serve this purpose. Two pieces of three-inch boards about three feet long nailed together, with short pieces on the bottom of the ends of the top piece to make the frame stand level, is a cheap and good arrangement for this purpose. This should be strongly nailed to the base of the tree, and if the tree is large, short pieces of the same sized stock should be nailed from the frame to the trunk. If these are made up in advance it will greatly help the sale of the trees.

Mistletoe.

The sentiment attached to the mistletoe will always cause more or less demand for the sprays at Christmas. While perhaps it should not be classed among the greens, for it is the white berries that make it a salable product, yet it is always associated with the holiday greens. This product must be handled with great care and the cost and loss figured out or it will be found that the profit will be very small. There will always be more or less call for nice sprays of mistletoe for the ancient English custom of hanging the mistletoe and the leading of the young damsel under it and claiming the kiss will always have a place in the Christmas festivities. While the sales of the large bunches will be few for they are necessarily expensive, yet there are many who are willing to pay a good price for nice sprays that are large enough to make a showing in the Christmas decorations that the festivities may be made complete. This stock should be handled carefully and guarded against freezing or the berries will drop off.

White Pine.

A green that is extensively used in sections of the country where it grows plentifully is the ends of the branches of the white pine. The leaves of this tree are soft and very decorative and the short branches are not only of great value in floral work as a foundation in baskets but can be placed in the pots of plants which are devoid of foliage near the pot in the same manner as boxwood is used. The tips of this tree also make fine wreaths when combined with other greens, and some very attractive arrangements with different sized cones fastened in these wreaths are very popular where they are made and displayed. These wreaths are very unique and are not expensive and as a rule are readily sold to the best class of trade.

Bouquet Green.

When a good harvest of this is obtained it is one of the cheapest greens that the florist receives and is used largely for cheap festooning, and to fill in in floral work. This green is also used in making balls for



A PRIZE DECORATED AUTOMOBILE.

By I. L. Pillsbury, Galesburg, Ill.

the same purpose and in the same manner as the boxwood balls, but there will be a necessity of having bunches of red immortelles or winter-berries with the lycopodium to give them a nice finish.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

ODORLESS VIOLETS may be given fragrance by inserting a few rose geranium leaves in the bunches, crushing the leaves slightly in the hand before using them.

Pillsbury Car Wins Prize.

I. L. Pillsbury won second prize with his decorated car in the automobile parade held recently at Galesburg, Ill. The wheels of the car were decorated with white carnations over pink cheese cloth, the name was of white immortelles, also over pink cheese cloth, and the body was covered with pink roses over white muslin. The young ladies carried American Beauty roses.

A Rose Made of Roses.

Have a good sized frame made of wire, shaping each section like a rose petal, as each petal must be separate. A good height would be about ten inches tall, but this, of course, depends upon the size of the table to be decorated. Cover each wire petal with a heavy rich deep pink satin, not losing the shape of the petal, which must have its denture in the top center and bulge outward in the center. After covering the leaves with full blown pink roses completely on the outside, using paler shades for the inside, place in the center to give the pollen effect a round cluster of the tiny yellow chrysanthemums, using no green and making it a closely set center of yellow.

Place this arrangement on a large round flat basket which has been mossed, allowing the center to be considerably higher than ordinarily used for such purposes. Around this arrange rose foliage of different lengths, stemming the foliage in clusters with a small green bud of the roses intermingled. Place candelabums at either side, using the rose covered shades and surrounding the base with a garland of pink roses and allowing these to intertwine around the guests' wine glasses. This should be a flat garland and not too heavy looking.

Little Dresden ferneries will look well as favors. Or a pink satin roll with either end filled with rose buds and the roll tied in the center with white and green gauze ribbon will do. This design will also be effective with red roses, and if the height is not desired, omit the flat basket and instead arrange American Beauties around the center piece. Around the base of the rose centerpiece tiny electric lights will look attractive.

A. E. K.

WORCESTER, MASS.—Fire in the Gilman Block, Main street, recently damaged the stock of Midgley, the Florist, to the extent of \$500. The damage was done mostly by water.

BINGHAMTON, N. Y.—W. Baker, an experienced florist, has opened a retail store at 93 Front street. The new place is one of the best equipped flower shops in the city.



TWO OF PELICANO, ROSSI & CO.'S WINNERS AT SAN FRANCISCO SHOW.

Bridesmaid's Bouquet of Cecil Bruner Roses and Bouvardia, Which Took First Prize, and Bride's Muff of Phloxopsis Amabilis and Valley, Winner of Second Prize.

National Flower Show.

Paper read by Charles H. Totty at the convention of the National Association of Gardeners at Newark, N. J., November 19, 1912.

The question I wish to present to your notice is this: What part will the superintendents and gardeners of this country play in the International Flower Show scheduled for next April in the New Grand Central Palace, New York? I think I am safe in saying the finest plants in the world have been imported and sold in the neighborhood of New York in the last twenty years. These plants in the natural order of things, since they cost considerable money, have been bought by your employers and at the present time many of them are reclining in the greenhouses, within easy shipping distance of New York.

Are you going to leave them there or bring them out next spring and let the rest of the country see stock they have never previously had any knowledge of? We are now working on the final schedule which devotes considerable space to special classes, solely for the private growers in both plants and flowers and which in the aggregate amounts to some \$5,000.00 for the gardeners alone. This is the first time in the history of the Society of American Florists and Ornamental Horticulturists, to my knowledge, that special classes have been made; the first time that private growers have been recognized as a large factor in the development of horticulture, and the fact that the Society of American Florists, which is primarily a trade organization, is willing to do this, is a tribute to the growing force and power of the private gardener in the horticultural world.

As members of different local horticultural societies, your response to my appeal to join with the parent body has been very generous. Practically every society within a reasonable distance of New York will be represented by a silver cup or by a cash premium. We also have working with us the American Rose Society, American Carnation Society, the Gladiolus Society and the Sweet Pea Society, and for once horticulture presents to the world a solid front standing together and it will show to the world an exhibition that will demand recognition as being the finest achievement in the annals of horticultural and floricultural history in America. My friends, it is fitting that this should be so. As the editor of the New York World remarks in a recent editorial: "When 130,000 people throng to see a Flower Show in New York, the popular vogue of flowers must be regarded as pretty conclusively established. This is about as many people as constitute the capacity audiences at the theatres on holidays, and the fact bears witness to the place flower exhibitions now hold as fixed events in the fall calendar, equally with football, the opera and the Horse Show. But behind the vogue in this country, and most suggestive of all the circumstances having to do with its popular appeal, is the confirmation the attendance at flower shows gives of the true aesthetic sense in a city where as many people go to see flowers as a world's baseball series."

I remember, and so do you, when about all the space a flower show would get in the metropolitan dailies was two or three lines in an obscure corner. Flower shows and the flower

industry was regarded with toleration simply as a hobby of the rich. Today the people are awakened to a sense of the value of a flower show in cultivating the aesthetic taste of a city and we can get almost any space we wish in the leading newspapers of the country. An indication of this is shown in the New York Herald of November 18, which gave over a half a column to the National Flower Show, we are at present discussing. The popularity of any undertaking, be it sport, business or an individual, can always be determined by the amount of space that the newspapers can be induced to give the same. A newspaper man has his ear to the ground all the time watching the trend of popular thought, moulding it oftentimes when wrongly directed and giving it unlimited space, when as a news item it is of interest to the large body of our people. I am firmly of the opinion that this flower show in New York is going to set a record for attendance at a flower show in America.

Many of your employers are connected with what has been called the "upper crust" of New York society and they will be present. If that employer sees his name in conjunction with the first prize at the greatest flower show America ever had, he will think just that much more of his gardener. Those of you who are so loyal to your local shows, know how true this is. The average American is content with nothing but the best and if the spirit of emulation between the employer and the gardener is encouraged there is little doubt but that horticulture will rise even more rapidly in the immediate future. There is nothing about the cultivation of plants

and flowers that will degrade a man. On the contrary, it is the most elevating pastime that a millionaire can spend his time and money in following. Those of you who saw the International Show in London, this year or who followed it closely, could not fail to be struck by the thousands of men, who gave liberally of their time and money to make that show the splendid success it was.

Conceding that this interest is not so widespread in our own people, still it is bound to come and I want to see the gardeners occupy their proper position at the head of the procession and there is no better place to leap with one bound into this premier position than next spring at the National Flower Show in New York. New York has not had a really representative show for years. The exhibitions have always been badly handicapped by the many local societies that are holding their own exhibitions at about the same time. Loyalty to his local society and a desire that his employer (who is very often still stopping at his country house) will see his products make the gardener look after his local show first.

In this case we have a grand spring show when there will be no other flower shows to take away the interest or the exhibits and I look to see the gardeners make this show one worthy of the highest praise.

Since the preliminary schedule was printed we have received many handsome donations of silver cups, gold, silver and bronze medals, etc., and from the purely material standpoint of getting something in exchange for one's labor the show will be something worth while. As an educational fea-

ture the society is planning to give two lectures a day on different matters pertaining to horticulture, every day during the exhibition. R. F. Felton, for instance, whose fame as a color artist in plants and flowers is international, will speak on color harmony and floral arrangement. J. K. L. M. Farquhar will give us one of his inimitable talks on some of the gardens of the old world. One or more American floral artists will give lectures on their ideas of floral art from an American point of view and other well known men will speak on different phases of horticulture. In this branch alone these lectures ought to put horticulture at least ten years ahead.

This is not an American show alone. Some European exhibitors are having stock specially grown and bulbs forced in this country to give it an international flavor. The Chicago Society, the Massachusetts Horticultural Society, the Shaw Botanic Gardens of St. Louis, all offer gold, silver and bronze medals for this show, as does also the American Institute of the City of New York. The hall is large enough; the number of classes is large enough and every man here present this afternoon, can be, if he wishes, represented in a greater or lesser degree in this great show.

Portland Flower Show.

The first annual show of the Portland (Ore.) Floral Society was held November 15-17. The exhibition was held in the armory, which was turned into a fairyland of flowers and plants, and was in every way successful. James Forbes was manager of the show.



PRIZE-WINNING ORCHID DISPLAYS AT PORTLAND SHOW.

Clarke Bros' Exhibit, Which Won First Prize.

Exhibit of the Martin & Forbes Co., Which Won Second Honors.



PORTLAND FLOWER SHOW, NOVEMBER 15-16.

General View of Exhibition Hall.

John Holze, Seattle, Wash., W. S. Duncan, Albany, Ore., and L. G. Pfunder, Portland, were the judges. A committee of five ladies judged the table decorations and the bridal and corsage bouquets.

The grand sweepstakes prize was won by the Martin & Forbes Co., Portland. It must be held three successive years to become the permanent property of the winner. Clarke Bros. were first for the best display of roses. The Martin & Forbes Co. led the winners with 22 firsts and 9 seconds, and Clarke Bros. were next with 14 firsts and 11 seconds. Tonseth Bros., Max Smith, Nicholas & Son and L. Lubliner were also awarded prizes in the growers' and retailers' class. Rahn & Herbert exhibited prize ferns and palms and the Routledge Seed & Floral Co., the Portland Seed Co. and J. B. Pilkington had exhibits of much merit. The Mountain View Floral Co. and the Swiss Floral Co. had landscape gardening exhibits. A new carnation seedling of promise was shown by the Martin & Forbes Co. It was christened the J. N. Teal. The flower is dark red in color.

Before the show closed the flowers were auctioned to the highest bidders and the proceeds turned over to the fruit and flower missions. The show was a success financially as well as artistically and the expense was more than offset by the proceeds. A sur-

plus which remained will be used to defray the expenses of a banquet to be given sometime in the future by the society.

Early Flowering Sweet Peas.

The very interesting abstract from an article on these flowers by Prof. Alvin C. Beal in your issue of November 9, should tempt the florists to give them more careful consideration. I feel sure if this were done they would not only give more pleasure to their customers but find it a very profitable part of their business. To keep abreast with the day no grower should be content with anything but the newest and most advanced of the type. New growers may be led a little astray at first in making a selection of varieties to grow, for if they go in for such old varieties as Mont Blanche or Christmas Pink they will almost be sure to be disappointed with the quality, if grown under the best of conditions, especially when these are compared with newer varieties.

The round, upright, open standard is far preferable to the curled and pointed type. Hybridizers have a long way to go yet before they can claim to have a perfect flower in every shade and color. Three of the most desirable points a florist should look for are size, substance, and shape. If

you get size it is one factor in quality. Substance is difficult to get with some of the Spencer varieties; waviness seems to require them thin to get the wave. Then what must a florist take as a guide to good shape? My ideal flower would be a good, bold, upright standard, almost round, with just enough wave in it to break its formality, wings to be in good proportion, not too large and projecting, with sufficient wave to show the heel, three to four flowers on a stem but no more. Some of the florists in England favor double and triple standards, claiming they make a bolder bunch besides standing long journeys better.

Wholesalers might make their price lists much more attractive and interesting to the retail florist if it was noted that newest and best waved varieties would be offered besides their ordinary stock of white, pink and mauve. Or it may be some have a great demand for design work. Here again mention might be made that the newest art shades could be had for this purpose, never forgetting to add the little addition at the end of the line. Another point for the florist to consider in handling these flowers is the bunching. All the flowers should be turned to face one way, tallest stems at the back, with the shortest to the front. In this way they lay finer in the shipping box and please the customer more than a

straggly uneven bunch. Everything points to the winter-flowering sweet-peas rapidly advancing. More than one raiser has got them in the Spencers, and all up-to-date florists should have them.

A. A. ELLIOTT.

National Association of Gardeners.

ANNUAL CONVENTION, NEWARK, N. J.

The National Association of Gardeners met in annual convention in the New Auditorium Hall, Newark, N. J., on November 19, 1912. The attendance of members was excellent and there were also a number of visitors from the allied trades.

Officers-elect: William H. Waite, Yonkers, N. Y., president; A. J. Smith, Lake Geneva, Wis., vice-president; M. C. Ebel, Madison, N. J., secretary (re-elected); James Stuart, Mamaroneck, N. Y., treasurer. Trustees for 1913: William Kleinheinz, Ogontz, Pa.; Peter Duff, Orange, N. J.; William Duckham, Madison, N. J.; Alexander McKenzie, Glen Cove, N. Y.; John Dodds, Wyncote, Pa.

Secretary Ebel read the minutes of the last annual meeting, and of the executive committee, which were accepted. In a felicitous address, President Logan briefly reviewed the work of the past year and looked forward to continued and increased prosperity for the organization.

Secretary Ebel's annual report was most gratifying. It showed remarkable progress and a large increase in membership. Among the new members are some of the most noted men in horticulture in this country, as follows: E. G. Hill, Richmond, Ind.; J. C. Vaughan, Chicago, Ill.; Daniel MacRorie, San Francisco, Cal.; Andrew A. Macdonald, Somerville, N. J.;

Arthur C. Ruzicka, Somerville, N. J.; David B. Ridpath, Mamaroneck, N. Y.; Robert Petrie, Cedarhurst, N. Y.; George F. Shaw, Cedarhurst, L. I.; E. Coe, Greenwich, Conn.; Robert K. Rodden, Newton Centre, Mass.; Anthon S. Peterson, New Rochelle, N. Y.; O. A. Hunwick, Greenwich, Conn.; William Goodall, Greenwich, Conn.; James P. Aitchison, Stamford, Conn.; William Miller, Joseph S. Wood and Alexander Michie, Sharon, Conn.; Andrew White-law, Noroton, Conn.; William Scott, Elmsford, N. Y.; William Magee, Jr., Mamaroneck, N. Y.; Alexander G. Clarkson, Mamaroneck, N. Y.; A. J. Manda, Brooklyn, N. Y.; David Aitchison, Stamford, Conn.; James Foster, Stamford, Conn.; W. R. Brewer, Paterson, N. J.; Charles Ruthven, Mt. Kisco, N. Y.; James Pride, Westchester, N. Y.; Ludwig Grossman, New York, N. Y.; Edward Davies, Convent, N. J.; John L. Meyer, Wayne, Pa.; Robert Hutchinson, Islip, N. Y.

The finances of the association were shown to be in excellent condition, there being a substantial balance in bank after all bills were paid. Notable features of the convention were the addresses delivered by Robert Craig of Philadelphia, which he called "A Talk to Gardeners;" Charles H. Totty, of Madison, N. J., whose theme was the "International Flower Show," and Prof. J. J. Tabenhaus, of the Delaware Agricultural College Experiment Station, who spoke on "The Problems of Plant Diseases Which Confront the Gardener." Harry A. Bunyard, of New York, gave an interesting lecture, accompanied with stereopticon views, of the great exhibition held in London the past summer. The venerable John Shore, patriarch of the association, who was the first presi-

dent and is the oldest member, was called to the platform and spoke briefly but with point and feeling.

James Bell, another old member in point of membership, though not in years, was introduced to the convention and spoke briefly.

The addresses of Robert Craig and Charles H. Totty were received with much enthusiasm. Mr. Craig was tendered a standing vote of thanks. An invitation was received from the Pacific Coast Horticultural Society inviting the Association to meet in annual convention in San Francisco in 1915, co-incident with the Panama Exposition. The invitation was favorably received and it was voted that in appreciation of the courtesy of the fellow-craftsmen of the Pacific Coast it was the sentiment of this convention that the invitation should be accepted, but that definite action could not be taken at this early date.

THE EXHIBITION.

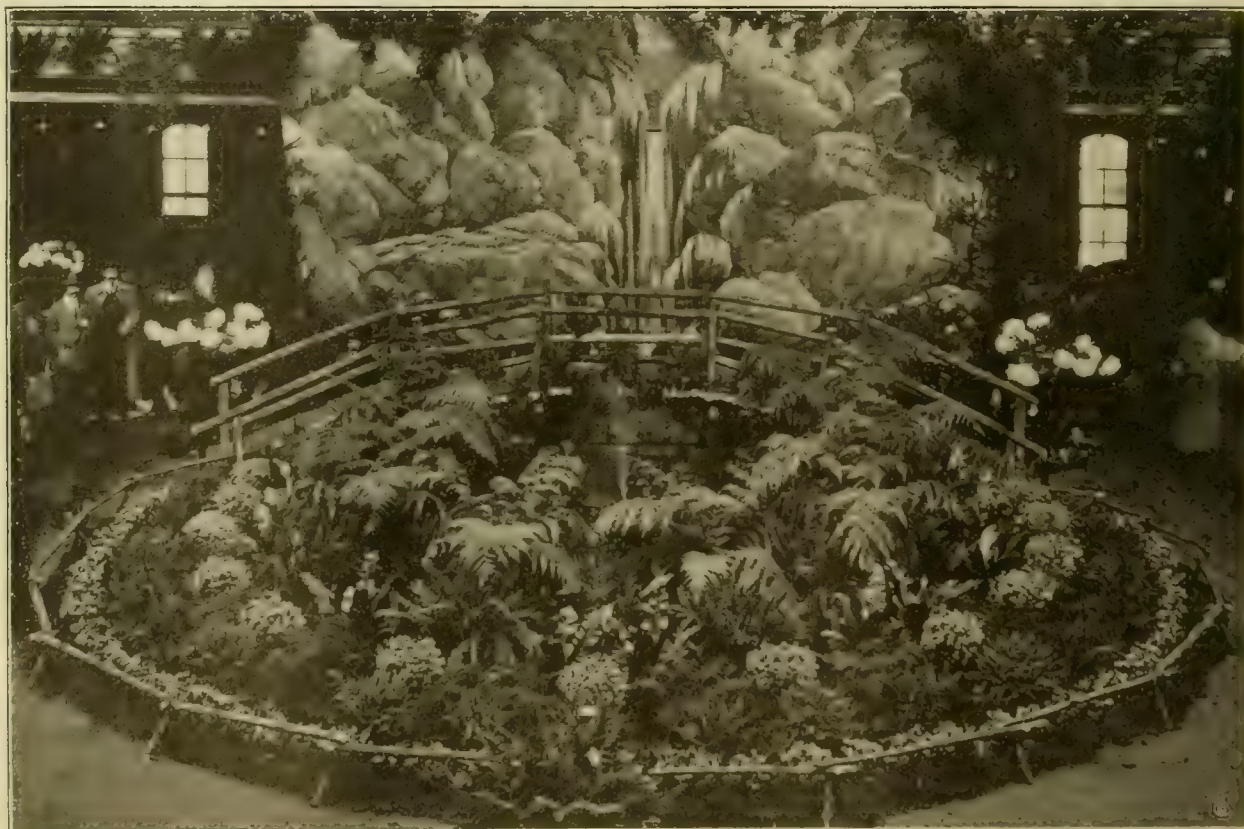
There was an excellent display of flowers and plants—very fine stock being shown. The committee appointed by President Logan to view the exhibits was composed of the following well known gardeners: William Kleinheinz, John H. Dodds, Thomas W. Head. They reported as follows:

Vase of *Solanum capsicastrum* Melvini—Col. Charles Pfaff (Geo. Melvin, gardener), South Framingham, Mass., certificate of merit.

Vase of carnation Wm. Eccles—Scott Bros., Elmsford, N. Y., certificate of merit.

Vase of carnation Commodore—Chas. H. Totty, Madison, N. J., certificate of merit.

Vase of rose Sunburst and carnation Northport—Chas. H. Totty, special mention.



GENERAL DISPLAY BY THE MARTIN & FORBES CO., AT PORTLAND SHOW.

Winner of First Prize.



NATIONAL ASSOCIATION OF GARDENERS AT THE ANNUAL BANQUET, NEWARK, N. J., NOVEMBER 19, 1912.

Bowling Trophies Shown on Table at Right. Flashlight Photograph by Delmas Photo Co., Newark.

Vase of carnation Northport—James D. Cockcroft, Northport, N. Y., certificate of merit.

Display of flowering and foliage plants—W. A. Manda, South Orange, N. J., special mention.

Fourcroya Walsonii and Polypodium Mandaianum—W. A. Manda, certificate of merit.

Vase of carnation Salmon Beauty—Traendly & Schenck, Rowayton, Conn., certificate of merit.

Twelve carnations, flowers of seedling No. 3—Wm. Reid, certificate of merit.

Crimson carnation seedling Harlowarden & Enchantress—Richard Hughes, certificate of merit.

Vase of rose Mrs. Geo. Sawyer—Chas. H. Totty, certificate of merit.

Vase of rose Mrs. Charles Russell—S. S. Pennock-Meehan Co., certificate of merit.

Display of new fern Adiantum Farleyense Gloriosa—Henry A. Dreer, Inc., Philadelphia, Pa., certificate of merit.

Rose Lady Alice Stanley—Traendly & Schenck, certificate of merit.

Vase of new white pompon chrysanthemum Helen Newberg—A. N. Pierson, Inc., Cromwell, Conn., certificate of merit.

Flowers of chrysanthemum Summer—A. N. Pierson, Inc., special mention.

Rose Milady—A. N. Pierson, Inc., certificate of merit.

Group of hardy plants including vinca minor aurea—Wm. Tricker, Arlington, N. J., special mention.

Collection of hardy berried plants—Thomas Meehan & Sons, Dresher, Pa., special mention.

THE BANQUET.

The banquet was held on the evening of November 19 immediately following the business session, at the Continental Hotel. Patrick O'Mara was the toastmaster and the many who have seen him preside at similar functions will rest assured that he acted well the part. Prominent speakers were: J. Otto Thilow, Philadelphia; President-elect Waite, William Kleinheinz,



W. H. Waite.

President-Elect National Association of Gardeners

F. W. Kelsey, New York, President Logan, Secretary Ebel, Chas. H. Totty, and J. E. Clarey, Madison, N. J. The tables were beautifully decorated and won the admiration of many Newark citizens who were permitted to view them. It was regretted that on account of other engagements Robert Craig was unable to remain for the banquet. The trophies won by the association bowlers at the tournament in the forenoon, were presented at the banquet. The cup presented by the Aphine Mfg. Co., Madison, N. J., was won by the Pennsylvania team. The President's cup went to Walter Gray, Orange, N. J. The National Association cups went to William Robertson, Jenkinstown, Pa., Joseph A. Manda, West Orange, N. J., president of the New York Florists' Club, and Thomas Aitchison, Mamaroneck, N. Y. The

Goodsell fifty-dollar gold piece was won by James Stuart, Mamaroneck, N. Y., and presented by Mr. Goodsell in person. As a review it may be said that from the first to the last, all the proceedings were on a high plane of fraternity, good fellowship and decorum. It is a fine tribute to the gardeners that they can so successfully plan and carry out such an entertaining programme. The following were the committees: Convention—Peter Duff, William H. Duckham, Anthony Bauer, W. H. Waite, James Stuart, John Everett, Carl Schaeffer, Frank E. Witney, William Kleinheinz, John F. Huss, Alexander T. Fraser, Thomas Proctor, William Craig, F. Kirk, Alexander McPherson, A. J. Smith. Final Arrangements—Peter Duff, Robert Tyson, Joseph Manda, M. C. Ebel, Austin C. Saylor. Bowling—Jos. Manda, chairman. Dinner—Robert Tyson, chairman.

A. F. F.

Insects on Carnation Plants.

ED. AMERICAN FLORIST:

I have a very fine lot of giant Marguerite carnation plants about ready to commence blooming, but the buds are being perforated by some insect whose identity I can not determine, though I have searched diligently and often. Please tell me what is doing the mischief and how to prevent further damage.

SUBSCRIBER.

Ohio.

It is very likely that the cut worm is doing the mischief. Scratch the soil a little at the base of the plant and see if the worms are not concealed there during the daytime, coming out to work on the plants at night.

C. W. JOHNSON.

FORT DODGE, IA.—The North Floral Co. has erected a new building to take care of the spring garden trade. Other extensive improvements have been made at the firm's greenhouses.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.
From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for the holiday trade.....	1081
—Christmas greens.....	1081
—Holly.....	1081
—Boxwood.....	1081
—Laurel.....	1082
—Galax and magnolia leaves.....	1082
—Christmas trees.....	1082
—Mistletoe.....	1082
—White pine.....	1082
—Bouquet green.....	1082
Decorated automobile (illus.).....	1082
The retail trade.....	1083
—Pillsbury car wins prize.....	1083
—A rose made of roses.....	1083
Two of Pellicano, Rossi & Co.'s winners (illus.).....	1083
National flower show.....	1083
Portland flower show (illus.).....	1084
Early flowering sweet peas.....	1085
National Association of Gardeners.....	1086
—National Association of Gardeners at the annual banquet (illus.).....	1087
—W. H. Waite (portrait).....	1087
Insects on carnation plants.....	1087
Important to subscribers.....	1088
American Carnation Society.....	1088
Chrysanthemum Society of America.....	1088
Obituary.....	1088
—George A. Sweet.....	1088
—Charles W. Reimers.....	1088
Meetings next week.....	1088
St. Louis.....	1090
Chicago.....	1092
Cleveland.....	1097
Philadelphia.....	1098
Cincinnati.....	1098
Chicago bowling.....	1099
Boston.....	1100
New York.....	1102
Rochester, N. Y.....	1102
Nashville, Tenn.....	1102
Montreal.....	1108
The seed trade.....	1110
—Heinemann's novelties.....	1110
Market gardeners.....	1114
—Prices of indoor fruits and vegetables.....	1114
—Lima beans in Cebu.....	1114
The nursery trade.....	1116
Montreal notes.....	1116
Boston notes.....	1116

PLEASE send report of the Thanksgiving business in your locality in time for next week's issue, mailing it on or before Saturday, November 30.

THE actual number of members of the Society of American Florists registering at the Chicago convention last August was 707, probably the largest number on record. It is estimated that there were 70 additional members present who failed to register.

SADDLE RIVER, N. J.—A hail storm at Saddle River, N. J., last Sunday afternoon gave the secretary of the Florists' Hall Association several anxious minutes. No glass was broken although some of the hail stones were as large as marbles. Mr. Esler says that the man who asserts that it does not hail in the east is a fakir.

Important to Subscribers.

The date on yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscriptions promptly on expiration to make certain of receiving your copy of each issue.

American Carnation Society.

REGISTRATION DEPARTMENT.

Name of variety, Princess Dagmar; parentage, Genevieve, unnamed crimson; color, deep bright crimson; size of flower, 3½ x 4 inches; description, long stiff stems which hold the flower erect at all times. Calyx seldom splits. Perfectly healthy, strong grower. Average bloomer. Originators, Patten & Co., Tewksbury, Mass.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Chas. H. Totty announces the committees to examine new chrysanthemums for the ensuing year as follows:

Boston — Wm. Nicholson (chairman), James Wheeler, Alex. Montgomery. Ship flowers to Boston Flower Exchange, C., Park street, care of chairman.

New York — Eugene Dailedouze (chairman), Wm. H. Duckham, A. Herrington. Ship flowers to New York Cut Flower Co., 55 Twenty-second street, care of chairman.

Philadelphia — A. B. Cartledge (chairman), John Westcott, S. S. Pennock. Ship flowers to A. B. Cartledge, 1514 Chestnut street.

Cincinnati — R. Witterstaetter (chairman), James Allen, Henry Schwartz. Ship flowers to chairman, Jabez Elliott Flower Market, care janitor.

Chicago — J. B. Deamud (chairman), D. A. Robertson, Peter Schilt. Ship flowers to J. B. Deamud, 160 North Wabash avenue, Chicago.

Shipments should be made to arrive by 2 p. m. on examination days to receive attention from the committees. Must be prepaid to destination and an entry fee of \$2 should be forwarded to the secretary not later than Tuesday of the week they are to be examined, or it may accompany the blooms.

Seedlings and sports are both eligible to be shown before these committees, provided the raiser has given them two years' trial to determine their true character. Special attention is called to the rule that sports to receive a certificate must pass at least three of the five committees.

The committees will be in session to examine such exhibits as may be submitted on Saturday, November 30.

OFFICIAL JUDGING SCALES.

Commercial.			
Color.....	20	Substance.....	15
Form.....	15	Size.....	10
Fullness.....	10		
Stem.....	15	Total.....	100
Foliage.....	15		
Exhibition.			
Color.....	15	Depth.....	15
Stem.....	5	Size.....	30
Foliage.....	5		
Fullness.....	15	Total.....	100
Form.....	15		

Single Varieties.			
Color.....	40	Stem and Foliage.....	20
Form.....	20		
Substance.....	20	Total.....	100

Pompon Varieties.			
Color.....	40	Fullness.....	20
Form.....	20		
Stem and Foliage.....	20	Total.....	100

Single varieties to be divided in two classes—the large flowered and the small flowered.

Cincinnati, O., November 16.—Mt. Kisco, white, Japanese, incurved, scored 87, commercial, 89, exhibition, exhibited by Elmer D. Smith & Co., Adrian, Mich.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

OBITUARY.

George A. Sweet.

George A. Sweet, prominent nurseryman and banker of Dansville, N. Y., died November 13, aged 68. Mr. Sweet was a native of the town in which he died and had spent his entire life there. He was one of Dansville's successful nurserymen and was president of the Citizens' Bank and the Dansville Cemetery Association. He was also a prominent member of the Western New York Nurserymen's Association. The widow, one daughter, Mrs. B. G. Readshaw of Oakland, Calif.; one son, Maxwell Sweet of Dansville, and a brother, Edwin F. Sweet of Grand Rapids, Mich., survive. The funeral was held at the home November 16.

Charles W. Reimers.

Charles William Reimers, who for twenty-five years conducted a retail cut flower store and greenhouses at Crescent Hill, Louisville, Ky., died October 15 of anemia at the age of 60 years. He was born in New York City and located in Louisville at an early age.

Meetings Next Week.

Albany, N. Y., December 5, 8 p. m.—Albany Florists' Club, 71 State street.
Buffalo, N. Y., December 3, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
Chicago, December 5, 8 p. m.—Chicago Florists' Club, Union Restaurant, 72 West Randolph street.
Dayton, O., December 5, 8 p. m.—Dayton Florists' Club, 37 East Fifth street.
Denver, Colo., December 2.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.
Detroit, Mich., December 2, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
Fall River, Mass., December 3, 8 p. m.—Fall River Florists and Gardeners' Association.
Grand Rapids, Mich., December 2.—Grand Rapids Florists and Gardeners' Club, office of member.
Indianapolis, Ind., December 3, 7:30 p. m.—State Florists' Association of Indiana, State House.
Lake Geneva, Wis., December 7, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.
Lenox, Mass., December 7.—Lenox Horticultural Society.
Los Angeles, Calif., December 3.—Los Angeles County Horticultural Society.
Louisville, Ky., December 4, 8 p. m.—Kentucky Society of Florists, Third and Broadway.
Milwaukee, Wis., December 5, 8 p. m.—Milwaukee Florists' Club, St. Charles hotel, City Hall square.
Minneapolis, Minn., December 3.—Minneapolis Florists' Club, 115 North Sixth street.
Montreal, Que., December 2, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
New Orleans, La., December 4, 8 p. m.—German Gardeners' Club, 624 Common street.
Newport, R. I., December 4.—Newport Horticultural Society.
Philadelphia, Pa., December 3, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.
Pittsburg, Pa., December 3, 8 p. m.—Florists and Gardeners' Club of Pittsburg, Fort Pitt hotel, Tenth street and Penn avenue.
Salt Lake City, Utah, December 3.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
San Francisco, Calif., December 7.—Pacific Coast Horticultural Society.
Seattle, Wash., December 3.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Tacoma, Wash., December 5.—Tacoma Florists' Association, Maccabee hall.

Autumn Leaves.

Flower and leaf of vine and tree.
Grass of meadow, weed of mire—
Summer gathered them to be
Faggots for the Autumn's fire.

Smoke-like haze on vale and hill;
Flashes of gold and crimson bright
Into life now leap and fill
Field and forest with their light.

All the glory of the year
Kindled into beauty so;
Soon the Winter will be here,
Soon the curfew—then the snow.

So these lovely leaves I lay
In my book, all gold and red;
Embers for a winter's day
When the Autumn's fire is dead.
—Frank Dempster Sherman in the American Magazine.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted—High-class, artistic designer, salesman and store manager, is open for a permanent engagement. State salary and full particulars. GEO. E. LINDEMAN, Norwichtown, Conn.

Situation Wanted—Young man 23 years of age, desires to learn designing and decorating in a retail store. Formerly a grower of cut flowers. Address. Key 735, care American Florist.

Situation Wanted—By sober young man of 26; experienced in growing cut flowers and plants; capable of taking charge of section or commercial place; state wages. Address. Key 738, care American Florist.

Situation Wanted—As foreman, by A1 grower and propagator of all kinds of greenhouse stock; capable designer; unmarried; age 31; strictly sober and honest; well recommended; good wages and immediate engagement desired. Address R. KLAG, 343 N. 12th St., Philadelphia, Pa.

Help Wanted—Seedsman with experience to canvas market garden trade. Give reference and salary expected, with first letter. THE F. A. SHERMAN CO., Albany, N. Y.

Help Wanted—Man for general greenhouse work. Must be able to propagate shrubs, perennials, roses. Must be married man. State wages and give new references. Address. Key 733, care American Florist.

Help Wanted—Greenhouse man, single; experienced in growing of roses, carnations, mums, palms, etc., and be capable of taking charge of greenhouses. References required. Address Key 732, care American Florist.

Help Wanted—Party thoroughly up in Hardy Perennials as to propagation, etc. Give full particulars as to experience, age, salary expected, etc., in first letter. A good steady position for the right man. Address. Key 722, care American Florist.

For Sale—Retail store in city of 16,000. Bargain. For full particulars address. Key 725, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—1 Morehead Steam Trap, almost new, \$65.00 cash. JOS. MILLIGAN & SON, 1044 Clydesdale Ave, Salt Lake City, Utah.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

For Sale—Modern vegetable greenhouse, three years old, 5000 ft. under glass. Hot water system, private water plant, 15 minutes drive to city market. All in bearing crop, 4 lots corner, good dwelling. Reason for selling, poor health. Address. OWNER, 999 Decatur St., Denver, Colo.

For Sale—Greenhouse Plant, three houses, 2500 feet of glass well filled with a full line of bedding plants; some outside stock. Good six-room house, out-houses, city water, etc. Lot 63 feet by 376 feet, for \$4,000. Can vacate any time. Apply to. CAPITAL CITY NURSERY, P. O. Box 586, Atlanta, Ga.

For Sale—Three greenhouses; well equipped; filled with carnations, chrysanthemums, violets, ferns, etc. On account of other business will sell at a sacrifice. Located one hundred miles from Chicago in town of twenty-two thousand inhabitants. Good opening for the right party. Address. Key 737, care American Florist.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years. Key 730, care American Florist.

For Sale—A rare opportunity to purchase a 2-story brick building containing store and 3 flats, 2 barns, and a Florist's Business established 22 years, with 5 greenhouses with about 12,000 square feet of glass, all the stock, car-load of pots, hot-bed sash, one horse, three wagons, harness and coal, only \$12,000; or will rent property and sell only stock, sash, pots, coal, horse and wagons at a reasonable figure. This is being sold on account of ill health. Those only meaning business need reply. Address. Key 736, care American Florist.

Private Gardener.

Man for general work on small place or places in or near Chicago, is now open to engagement. Address

Key 734, care American Florist.

Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

BOILERS FOR SALE ATTENTION

Large Florists, Dearhousemen or Manufacturers!

Three Slightly Used Mercer Cast-Iron, Header Type, Sectional Heating Boilers

For either steam or hot water.

1 9-Section No. 27 Mercer, Grate 27x48 inches. Manufacturers rating for steam 2125 square feet, water 3500 square feet.

2 15-Section No. 36 Mercers, Grates 36x84 inches, manufacturers rating for steam 5550 square feet, water 9150 square feet.

All cast-iron parts as good as new, all bolts and nipples will be furnished new; any kind of fuel can be used. Inquire of

LeValley, McLeod & Co.

165 Lake St., Elmira, N. Y.
Immediate Delivery.



Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,

KEY 726, care American Florist.

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC.,

of THE AMERICAN FLORIST, published weekly at Chicago, Ill., required by the Act of August 24, 1912.

NOTE—This statement is to be made in duplicate, both copies to be delivered by the publisher to the postmaster, who will send one copy to the Third Assistant Postmaster General (Division of Classification), Washington, D. C., and retain the other in the files of the post office.

Editor and Business Manager.—Michael Barker, 440 South Dearborn Street, Chicago, Ill.

Publisher, American Florist Company, 440 South Dearborn Street, Chicago, Ill.

Owners: (If a corporation, give names and addresses of stockholders holding 1 per cent or more of total amount of stock.)—Estate of E. Asmus, W. Hoboken, N.J.; M. Barker, 440 S. Dearborn St., Chicago, Ill.; W. Atlee Burpee, 485 N. Fifth St., Philadelphia, Pa.; John Burton, Wyndmoor, Mont. Co., Pa.; J. D. Carmody, Evansville, Ind.; W.W. Coles, Maple Hill Rose Farms, Kokomo, Ind.; Robt. Craig, 49th and Market Sts., Philadelphia, Pa.; J. B. Deamud, 160 N. Wabash Ave., Chicago, Ill.; James Dean, Freeport, L. I., N. Y.; Emresia J. Dickey, care of Byron Reed Co., 212 S. 17th St., Omaha, Neb.; Wm. Falconer, Allegheny Cemetery, Pittsburg, Pa.; Halliday Bros., 11 E. Baltimore St., Baltimore, Md.; Maggie Harris, 55th and Springfield Ave., Philadelphia, Pa.; Edwin Lonsdale, Lomboc, Calif.; Estate of F. R. Mathison, Waltham, Mass.; John N. May, Summit, N.J.; F. R. Pierson, Tarrytown-on-Hudson, N.Y.; Isaac D. Sailer, 1524 Chestnut St., Philadelphia, Pa.; Estate of Louise Schiller, 2207 W. Madison St., Chicago, Ill.; H. A. Siebrecht, New Rochelle, N. Y.; W. J. Stewart, 11 Hamilton Pl., Boston, Mass.; J. C. Vaughan, 31 W. Randolph St., Chicago, Ill.; Annie G. Whitnall, 4001 Harvard Blvd., Los Angeles, Cal.; C. B. Whitnall, 626 Locust St., Milwaukee, Wis.

Known bondholders, mortgagees, and other security holders, holding 1 per cent or more of total amount of bonds, mortgages, or other securities:

There are no bonds, mortgages or other securities outstanding against THE AMERICAN FLORIST, AMERICAN FLORIST COMPANY.

Michael Barker, Sec'y.
Sworn to and subscribed before me this 22nd day of Nov. 1912.

ALBERT L. KOEHLER, Notary Public.
(SEAL.)
(My commission expires May 2, 1916.)

A HOLLY WREATH

Red and Green

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The large size, one color, \$2.70.

Cash with order.

American Florist Co.

440 S. Dearborn St. CHICAGO.

Wire Designs and Florists' Supplies



JOSEPH ZISKA,

Wholesale Florists' Supplies,
151-153 N. Wabash Ave.,

CHICAGO

Don't Fail to Write for Our Catalogue, as same is very suggestive. The Most Complete Line of Wire Design Cuts ever listed. Will be mailed free upon request.

Complete Stock of Holiday Goods

Place your orders now for **Wire Rings for Holly Wreaths.** They are made of bright market wire. In experimenting we found this the best, as the copper kind shows through the holly and spoils the effect.

Holly, Bouquet Green, Immortelles

Write for Prices.

A. HENDERSON & CO.

352 N. Michigan Ave.,

Phone, Randolph 2571,

CHICAGO,

St. Louis.

ROSES IN GOOD DEMAND.

Bright, clear and Indian summer weather has been succeeded by cool. The near approach of Thanksgiving shows itself as the market Saturday had a tendency to shorten and stiffen up. Chrysanthemums are expected to shorten up considerably from now on. Probably a few stragglers will hang on till Christmas. Some good Golden Wedding are now being cut by our local growers. Carnations are improving and getting fine long stems. Roses are in fair supply. American Beauty roses are in good demand. Good violets are easily disposed of. Paper White narcissus in limited quantities is bringing 4 cents. Stevia is getting good. Business in general was quiet Saturday and Sunday.

NOTES.

Adolph Ahner is cutting some first class carnations. He will be in fine shape for Christmas. He consigns his stock to the Wm. C. Smith Wholesale Floral Co. Some extra fine Timothy Eaton and Golden Wedding chrysanthemums were seen at the Windler establishment. Also fine cut lily of the valley and smilax.

The Retail Association met last Monday, 14 members present. There were distributed among the members postals for window Thanksgiving signs, purchased from the New York Florists' Club.

A meeting of local growers was held Saturday evening at the Wm. C. Smith Wholesale Floral Co. Music, songs and jokes by the Irish comedian, Paddy Patton, were greatly enjoyed.

The Kelley Floral Co. has a splendid tank full of all varieties of goldfish. Ed is a hustler and has a fine and growing trade.

V. J. Gorly threw open his newly erected residence, 4550 St. Louis ave-

nue, Sunday evening, with his employees as guests.

Mrs. M. L. Pelletier has been very busy of late. She is a daily visitor at the market and a good buyer.

At Angermueller's a very fine stock of roses were seen, also some extra fancy American Beauty roses.

John Held is cutting some choice Golden Wedding. He has a fine stock of blooming plants.

F. X. Gorly left for Chicago Sunday night to look over the market for Thanksgiving.

C. A. Kuehn has had some extra fancy chrysanthemums during the past week.

H. G. Berning has had a fine supply of chrysanthemums and carnations. John Barnard has several advance orders for Thanksgiving.

The Riessen Floral Co. reports trade as very satisfactory.

W. F.

Canton, O.

Business is reported good in this city and vicinity and Thanksgiving orders are coming in.

SAN ANTONIO, TEX.—P. A. Robertson has taken out a permit to build a greenhouse on Moore street.

DENVER, COLO.—Chas. E. Johnson will build a greenhouse and a boiler shed on South Gaylord street at a cost of \$2,000.

WATERLOO, IA.—The twenty-eighth annual convention of the Northeastern Iowa Horticultural Society was held here November 12-14.

LAKE GENEVA, WIS.—The eighth annual chrysanthemum exhibition held during the week ending November 9 was one of the most successful ever staged here.

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbons at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

Mention the American Florist when writing

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.
\$3.00 per 100 and up.

Write for catalog.

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

Mention the American Florist when writing

Shipping Labels for Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Size $6\frac{1}{2} \times 4\frac{1}{2}$.



Price per 500, \$2.85; per 1000, \$4.50. Send for sample.

ELECTRO OF THIS LEAF, POSTPAID, \$1.25.

American Florist Co., 440 S. Dearborn Street, Chicago.

Saves Your Printed Matter and Postage.



THE American Florist Company's Directory saves many times its price to every one who catalogues or circularizes even a small part of the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor. Contains 646 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

AMERICAN FLORIST COMPANY

440 South Dearborn Street, CHICAGO.

Sent postpaid at \$3.00 a copy by the publishers.

EXTRA FINE BEAUTIES,

Roses, Carnations, Lilies and Greens.

¶ Very select Flowers. ¶ Bound to give satisfaction.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$5 00
30 to 36-inch	3 00 to 4 00
24-inch	2 50
18-inch	2 00
12-inch	1 50

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, MRS. TAFT, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY, KAISERIN.

Extra long Sunburst, Taft, Rhea Reid.....	\$10 00 per 100
Extra long.....	8 00 per 100
Medium length.....	5 00 to 6 00 per 100
Short.....	4 00 per 100

CARNATIONS.

	Per 100
Good.....	3 00 to \$4 00

FINE EASTER LILIES.....per doz., \$1.50

Lily of the Valley	3 00 to 4 00
--------------------------	--------------

Smilax.....per doz., \$1 75 to \$2 00

Asparagus Sprays.....	2 00 to 4 00
-----------------------	--------------

Sprengerl	2 00 to 3 00
-----------------	--------------

Adiantum.....	1 00 to 1 50
---------------	--------------

Leucothoe Sprays.....	0 75
-----------------------	------

Galax, Green or Bronze.....per 1000,	1 00
--------------------------------------	------

New Ferns.....per 1000,	\$2 00
-------------------------	--------

Mexican Ivy	75
-------------------	----

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

TRADE MUCH BETTER.

Trade the past week has shown a great improvement and stock in general has had a good call. The demand for American Beauty roses continues to be brisk with the supply still short. Richmond is arriving in fine condition but the demand for this rose is far greater than the supply. Killarney has had a good call. The supply of White Killarney and other white roses has been plentiful all this week. Prince De Bulgarie, Mrs. Aaron Ward and Sunburst sell quickly at good prices and can be seen featured in many of the down town window displays. Carnations are good property, especially red, and command high prices. The supply of chrysanthemums is large but good stock is scarce. Pompons are none too plentiful and the same can be said of lily of the valley. Violets have improved in quality and some very fancy stock is now obtainable. Sweet peas are getting more plentiful and some fine stock of this popular flower is to be had. The variety of orchids offered is quite large, there being cattleyas, dendrobiums, oncidiums, phalaenopsis and cypripediums. Gardenias are in larger supply but are moving well. Extra fancy stevia is obtainable in large quantities, mignonette is plentiful and there are plenty of snapdragons to go around. Smilax sold well the last few days and no surplus is reported. Trade was very lively the opening of this week and the demand for roses and carnations was exceedingly brisk. On the morning of Tuesday, November 24, trade continued to be good and roses and carnations seemed to clean up very fast. There were plenty of chrysanthemums however at that time and the shipments consisted mostly of Lynwood Hall, W. H. Chadwick, Golden Chadwick, Timothy Eaton, Yellow

Eaton, Dolly Dimples, Major Bonnafon, White Bonnafon, Nagoya, Golden Eagle, Golden Wedding and a few other late varieties.

NOTES.

Albert E. Cole and Miss Olive K. Lloyd stole a march on their many friends last Wednesday evening, November 20, when they were quietly married at the parsonage of the Rev. McKay, 2519 Indiana avenue. Mr. Cole has charge of the American Beauty roses at E. C. Amling Co.'s store and is well known here. His wife recently came to this country from Australia. The best wishes of the trade are extended to the happy young couple, who will hereafter reside at 4855 Calumet avenue.

A meeting of the Cook County Florists' Association was held at the Tavern, West Washington street, last Thursday, November 21, when three new members were elected and several new applications were read. Walter Scott, of La Grange, read his paper on "Character as a Factor in Business Success," and the sports and pastime committee reported that the arrangements for the dance at the Bush Temple on December 4 were completed.

Victor Bergman, formerly with the Ernst Wienhoeber Floral Co., has purchased an interest in the Canger & Gormley store in the Fine Arts building on South Michigan avenue. The firm name after December 1 will be changed from Canger & Gormley to Canger & Bergman.

John Mangel had a very pretty window display in his Palmer House store this week consisting of artistically arranged corsages, bouquets and neatly arranged baskets of cut flowers. Several large orchid plants and azaleas in full bloom added greatly to the beauty of the window.

PERCY

Wholesalers of

CUT FLOWERS and
FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

U S Budlong's E Blue Ribbon Valley.

George C. Welland, proprietor of the M. Welland store in Evanston, has purchased a new 30 h. p. White delivery car.

Miss Thorpe, who has been visiting here with her sister, Mrs. D. W. Evans, has returned to her home in New York.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

Poehlmann Bros. Co. Flowers

Stand for All That Quality Signifies.

RED BERRIES, extra large cases.....per case, \$3.00

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases only.....per case, 5.00

CATTLEYA SCHRODERAE.....per doz., 4.00

DENDROBIUM FORMOSUM (White).....per doz., 5.00

We are cutting a large supply of these **ORCHIDS** now. We make these low prices to put them in reach of all. They are especially desirable for Weddings and Table Decorations.

CHRYSANTHEMUMS.....Per 100, \$8.00, \$10.00, \$12.00, \$16.00, \$20.00, \$25.00

Extra Large Specimens, per dozen, \$4.00.

POMPONS, all choice varieties.....per doz. bunches, \$3.00, \$4.00, \$5.00

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES	Per Doz.
Specials.....	\$6.00
36-inch.....	5.00
30-inch.....	4.00
24 inch.....	3.00
20-inch.....	2.00
Short stem.....	per 100, \$10.00 to 12.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$10.00
Medium.....	8.00
Short.....	4.00 to 6.00
MELODY, long.	8.00 to 10.00
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.	
Long.....	10.00
Medium.....	8.00
Short.....	4.00 to 6.00
Extra special Roses, charged accordingly.	

LADY HILLINGDON.	Per 100
Long.....	\$ 8.00
Medium.....	6.00
Short.....	4.00
RICHMOND.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
WHITE KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
POMPONS, all colors.	Per Bunch 35c, 50c

CARNATIONS.....	Per 100
\$3.00, \$4.00 and \$5.00	
VIOLETS, Princess of Wales.	1.00
Double, New York.....	.75 to 1.00
ORCHIDS, White Dendrobium, doz.	\$6.00
CATTLEYAS.....	per doz., \$5.00 to 7.50
EASTER LILIES.	12.00
VALLEY.....	\$3.00, \$4.00 and 5.00
ADIANTUM CROWEANUM.	1.00
MEXICAN IVY.....	per 1000, \$5.00 .60
SMILAX.....	16.00
SPRENGERI, PLUMOSUS SPRAYS	3.00 to 4.00
STEVIA.....	2.00
PLUMOSUS STRINGS, extra long and heavy.....	each, .60
FERNS.....	per 1,000, 2.00
GALAX.....	per 1,000, 1.25
LEUCOTHÖE.....	per 100, .75

Boxwood, Smilax, Galax, Leucothoe, Mexican Ivy, Sprengeri, Plumosus, Adiantum, Wild Smilax, Valley, Violets, Orchids, Pompons, White and Pink Killarney, Richmonds, Bulgarie, Aaron Wards, Am. Beauties, Mrs. Taft Roses, Chrysanthemums.

Send Us Your Orders and You Will Be Handling

THE BEST CUT FLOWERS IN AMERICA.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY OF FANCY BEAUTIES.

Also plenty of Medium and Shorts. Finest on the Market. Order of Us.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
48-in. stems.....\$1 00	24-in. stems.....\$2 00
36-in. stems.....3 50	20-in. stems.....1 50
30-in. stems.....3 00	16-in. stems.....1 00

Killarney.

Per 100
Extra special.....\$8.00
Fancy.....6.00
Medium.....4.00
Good, Short stems.....3.00

Richmond

Per 100
Extra specials.....\$8.00
Fancy.....6.00
Medium.....4.00
Good, Short stems.....3.00

My Maryland

Per 100
Extra Specials.....\$8.00
Fancy.....6.00
Medium.....4.00
Good, Short stems.....3.00

White Killarney

Per 100
Extra specials.....\$8.00
Fancy.....6.00
Medium.....4.00
Good, Short stems.....3.00

Jardine, Fancy, 24-inch stems.....\$8.00

Good, 15 "	6.00
Short.....	\$3.00 to 4.00

Roses, our selection - - - \$3.00

Carnations,

Extra Special.....	\$3.00
Fancy.....	2.50
Good.....	1.50

Chrysanthemums

Per Dozen	Per Dozen
Extra select.....\$3.00	Fancy.....\$1.50
Select.....2.50	Small.....per 100, 8.00

HARRISII.....10.00 to 12.50

FERNs, per 1000.....\$2.00. SMILAX, per doz., \$2.00.

ADIANTUM, per 100, \$1 to \$1.50. GALAX, per 1000, \$1.

SPRENGERL, per bunch, 50c. ASPARAGUS SPRAYS, per bunch, 50c.

Cut Flowers

Roses, Carnations, Mums, and
All Other Seasonable Stock

WRITE FOR PRICES

D. E. FRERES

Wholesale Florist

162 N. Wabash Ave., CHICAGO

Green Goods

Ferns, Smilax, Galax, Leucothoe,
and All Other Greens in season

WRITE FOR PRICES

John Poehlmann says that Poehlman Bros. Co. has leased the third floor of the building it now occupies and will take possession next spring. Both the cut flower and supply departments are rushed with orders and present a very lively scene. The plant department at Morton Grove reports a good business and has a fine lot of blooming plants and decorative stock ready for the holiday season. Clifford Pruner, one of the traveling representatives, has returned from a successful business trip and will start out again next week.

Tim Matchen escorted the writer through the Peter Reinberg greenhouses on November 24 and it is safe to say that this firm will have large quantities of stock for the Christmas trade. The supply of Richmond roses will be fully up to that of last year and the American Beauties will be in larger supply. Mr. Matchen is a royal entertainer and "Stogie" and the rest of the store boys told the truth when they said that Mrs. Matchen was some cook for it was our pleasure to sample the "eats."

Henry Wittbold left November 28 for Lone Lake, Minn., to arrange a large store opening decoration. L. Wilkerson says that Henry Wittbold has had a good demand for wild smilax and that his firm sold a large supply of decorative stock to the land show exhibitors at the Coliseum.

The J. B. Deamud Co. has had a good call for the violets that it is

receiving from the Des Plaines Violet Co. of which Mr. Deamud is one of the proprietors. The supply of stock that this firm is now handling is of fine quality, especially the chrysanthemums.

H. Van Gelder says that trade continues to be good at Percy Jones' store, both in the cut flower and supply departments. Chrysanthemums are the chief offerings now at this house, although the supply of other seasonable cut flowers is large.

The John C. Moninger Co. has just completed a new greenhouse 22x105 feet for Sears, Roebuck & Co. R. C. Lund, head gardener for this firm, is very busy getting things in shape for next season.

Joe Weis says trade at his Southport avenue store has been very good for the last few weeks. It is rumored that Mr. Weis has leased the flat above his store. Oh, you wedding bells!

Weiland & Risch have had several new signs painted on the various entrances to their store. They are now supplying their customers with fancy stevia in large quantities.

Frank X. Gorly, of Grimm & Gorly, was a welcome visitor on November 25. He is as good looking as ever and as usual made a big hit with the ladies.

Ed. Armstrong, formerly with A. Lange and later with Kennicott Bros. Co., is assisting Canger & Gormley with their Thanksgiving trade.

U S Budlong's E Blue Ribbon Valley.

John Bergstrom, who recently opened a store in Rockford, was in the city November 25 buying stock for his Thanksgiving trade.

Miss M. C. Gunterberg is receiving an extra fancy grade of violets this week in addition to a good supply of other flowers.

Erne & Klingel will celebrate their first Thanksgiving on November 28. "It promises to be the best ever," they say.

Chas. W. McKellar's shipments of orchids are large but he finds no trouble in disposing of the cattleyas.

August Poehlmann is now speeding through Morton Grove in his new Winton-six touring car.

J. A. Sikuta says that he had more wedding orders this month than he did in June.

Fred Wittbold's son Teddy is the proud owner of a new Shetland pony.

Mrs. Krieger, Canger & Gormley's bookkeeper, is on the sick list.

Sprinkleproof Sam's shower turned into a snowstorm this time.

BEAUTIES, ROSES and CARNATIONS

A good supply of all of the above, especially
Extra Fancy Killarney and White Killarney Roses.

Current Price List.

Subject to Change
Without Notice.

AMERICAN BEAUTIES

	Per doz.
Extra Fancy Beauties	\$4 00 to \$5 00
30-inch stems.....	3 00
24-inch stems	2 50
20-inch stems.....	2 00
15-inch stems	1 50
12-inch stems	1 00
Richmond	Per 100
Killarney	Extra select \$10 00
White Killarney.....	Select..... 8 00
My Maryland.....	Medium..... \$4 00 to 6 00

Sunrise	Extra select.....	Per 100 \$6 00
Mrs. Aaron Ward.....	Medium.....	\$6 00 to 8 00
Melody	Short	4 00 to 6 00
Roses, our selection.....		3 00
Chrysanthemums.....	doz., \$2 00 to \$3 00	
Harrisii.....	doz., \$1 25 to \$1 50	
Carnations	per 100, 2 50 to 3 00	
Valley.....	per 100, 3 00 to 4 00	
Violets	75 to 1 00	
Adiantum	1 00	
Asparagus, per bunch	50	
Ferns, per 1000.....	2 00	

Peter Reinberg

30 E. Randolph St., L. D. PHONE CENTRAL 2846. Chicago

You can Always Obtain Strictly Fresh
Flowers From

“The Busiest House in Chicago.”

¶ It will be to your advantage to place a trial order with us now, for our line, in both **Cut Flowers** and **Greens**, is complete in every respect. ¶ Our home grown **Double Violets** are exceptionally grand and deserving of immediate sale. ¶ Our **Chrysanthemums**, **Roses** and other flowers are also of fine quality and are especially good for shipping orders. **Try Us Today.**

J. B. Deamud Co.

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago

John Zech and Mat. Mann, Zech & Mann, visited the Chicago Carnation Co.'s greenhouses at Joliet this week for the purpose of seeing the new scarlet carnation "The Herald." Mr. Zech said that it is the coming red for it has a fine even color, perfect flower and good stiff stem. The Thompson Carnation Co.'s plant was also visited and the visitors say that some exceptionally fine W. H. Chadwick, Golden Chadwick, Timothy Eaton, Yellow Eaton and Lynwood Hall chrysanthemums were seen there. Upon

investigation it is found that Z. & M. are handling this stock.

A. C. Raichar, of Michigan City, Ind., was the guest of Phil. Schupp and Wm. Homberg of the J. A. Budlong establishment on November 25. Mr. Raichar, who bought out W. A. Kintzle a few years ago, is building up a nice trade and enjoying a good business.

Bassett & Washburn are cutting heavily in roses and carnations and had a good supply of fine stock for their Thanksgiving trade. Their Ea-

ton chrysanthemums were in great demand and sold at an early hour.

J. A. Budlong has been featuring a fine grade of American Beauty roses for some time as well as a good supply of his blue ribbon valley.

Hoerber Bros. had some fine Killarney and White Killarney roses to supply their customers for their Thanksgiving trade.

Joe Craig, the Wabash avenue florist, says that this is one of the best seasons he has ever had.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

EVERYTHING
IN SEASONABLE

CUT FLOWERS
MUMS
VIOLETS
CARNATIONS
ROSES--VALLEY
and Greens
of all kinds.

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00	\$ 2.00			
Killarneys.....per 100	10.00	8.00	6.00	5.00	\$4.00	\$3.00	
White Killarneys.....	10.00	8.00	6.00	5.00	4.00	3.00	
Richmonds.....	10.00	8.00	6.00	5.00	4.00	3.00	
My Maryland.....	10.00	8.00	6.00	5.00	4.00	3.00	
Perle.....	10.00	8.00	6.00	5.00	4.00	3.00	
Ward.....	10.00	8.00	6.00	5.00	4.00	3.00	
Carnations.....	4.00	3.00	2.00	1.50			
Easter Lilies.....	12.50	10.00					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, double.....	1.25	1.00					
Single.....	1.00	.75					
Chrysanthemums.....per doz.	4.00	3.00	2.00				
Pompons.....per bunch	.75	.50	.35				
Paper White Narcissus.....per 100	4.00						
Stevia.....	1.50						
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprenger Sprays.....	4.00	3.00	2.00				
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

John Kruchten is headquarters for a fine grade of home grown gardenias which are having a very good call. An error appeared in his advertisement last week when gardenias read \$3.00 to \$4.00 per 100 instead of \$3.00 to \$4.00 per dozen as it should have been. It seems as if everyone in the trade discovered the mistake for they kept his telephone ringing all day long asking him if he had any gardenias at \$3.00 to \$4.00 per 100. Fortunately Mr. Kruchten is a pretty good natured fellow or matters might have been much worse.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, Thursday evening, December 5, when the election of officers for the ensuing year will be held. One of the principal features of the meeting will be a lecture by Richard Vincent, Jr., of White Marsh, Md., president of the Society of American Florists.

Joseph Ziska is receiving a large number of complimentary letters from florists who have received his new catalog and looked it over. The catalog which is now being mailed free to the trade contains an illustration of nearly every wire design imaginable and should be in the hands of every florist.

In our note on the Florists' Club banquet last week we inadvertently omitted mention of Elmer D. Smith's contribution of several fine vases of chrysanthemums, among which we noted Mt. Kisco and Elberon, blooms of the latter having been cut two weeks and still in fine condition.

A. L. Vaughan & Co. are handling a very fine grade of American Beauty roses which are meeting with immediate sale. Mr. Vaughan said on Monday that business had been very good right along and that the greatest rush was yet to come.

Wietor Bros. are cutting a fine grade of all kinds of stock, especially Amer-

ican Beauty roses. Chrysanthemums are in good supply here and the cut was nearly enough to take care of all their Thanksgiving orders.

The Chicago Flower Growers' Association has a good local trade and the Thanksgiving business promises to be very good. The demand for carnations at this house has been exceptionally brisk all this week.

J. C. Vaughan was tendered a complimentary dinner at the Union League club November 21 by democratic leaders in recognition of his great work for democracy in several recent campaigns.

W. F. Shields, formerly with E. MacMulkin of Boston, Mass., is now with the Bohannon Floral Co.

John Evans, of Richmond, Ind., talked Challenge ventilators here on November 21-22.

Peter Papos and a friend are going to open another store in Detroit, Mich., in the near future.

The E. C. Amling Co. shipments of stevia are very large and contain some fine stock.

Vaughan's Seed Store is shipping Thanksgiving holly and Liliun auratum this week.

H. E. Klunder is now with the Hill-Heller Co., Cincinnati, O.

Visitors: John Evans, Richmond, Ind.; C. C. Massie, representing Northrup King & Co., Minneapolis; Meyer Heller, New Castle, Ind.; Frank X. Gorly, with Grimm & Gorly, St. Louis, Mo.; John Bergstrom, Rockford; T. K. Pangalos, West Hotel Florists, Minneapolis, Minn.; F. H. Lemon, Richmond, Ind.; L. Kring, Fairbury; A. Siegel, St. Louis, Mo.; A. C. Raichar, Michigan City, Ind.; C. Rice, Minneapolis, Minn.

PEORIA, ILL.—A free chrysanthemum show was held in Glen Oak park for several days in the first week of November.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

Gardenias

LARGEST SUPPLY IN THE WEST

So Place Your Orders With Us.



FINE
Home-Grown
Stock

\$3.00 to \$4.00 per doz.

Also Good Supply of All Cut Flowers

Particularly **Roses, American Beauties, Chrysanthemums, Lilies, Violets, Paper Whites, Sweet Peas,** and everything in **Greens.** Strictly fresh stock at all times at reasonable prices.

JOHN KRUCHTEN,

162 N. WABASH AVE.

L. D. Phone Central 6269.

CHICAGO, ILL.



Mums, Beauties, Roses, Carnations, Valley

and all other Seasonable Flowers. Our White and Pink Killarney Roses are arriving in exceptionally fine condition, and the quality of our stock in general is equal to the best obtainable in this market. **Full Line of Green Goods. Let Us Have Your Order Now.**

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)
PHONE Central 2571-2572
Automatic 48-734.

CHICAGO.

Cleveland.

DEMAND IS GOOD.

Some growers are again making the mistake of holding back stock for Thanksgiving for a little better price, with the result that orders for chrysanthemums in particular were hard to fill the past week, necessitating the use of long distance phone calls and telegrams to get extra shipments of stock to fill. The demand the past week has been very good, and everything sold off clean at a fair price. American Beauties are showing excellent form, and more perfect flowers and stiffer stems than have been seen for some time, and the demand about keeps the market cleaned up. Killarneys are now coming in with long stems and large blooms. Both Killarney and American Beauties are very fine. Aaron Ward roses are still favorites for corsage work, and show ex-

cellent form and color. Richmond roses are good stock and the Christmas supply promises to excel and exceed any previous year. Lily of the valley has been a little short of the demand. Orchids have been plentiful, both white and lavender. Violets are in good demand, some of the best Rheinbeck stock obtainable now being sold on the local market. Button chrysanthemums or pompons are still plentiful enough for this time of the year. Easter lilies have been a little scarce. Callas are arriving daily, with a fine demand. Carnations are far short, but the stock which does arrive shows the best of form. Greens of all kinds are plentiful, but the market is glutted with dark and short spray bunches of plumosa at a time of the year when long stemmed green is very desirable to use with chrysanthemums. Southern smilax is being used extensively for store decorations.

The Cleveland Florists' Exchange is handling the finest violets the New York growers produce and the advance orders for Thanksgiving Day business show how much the retailers who have bought and used them appreciate a good flower. The Exchange handled more violets this season than ever before, which is the best proof of stock being entirely satisfactory.

C. F. B.

ALEXANDRIA, LA.—The annual flower show of the Central Louisiana Floral Society was held here November 6-7.

ST. JOSEPH, Mo.—The park board held a chrysanthemum show at Krug Park conservatories Sunday, November 3.

WEST UNITY, O.—The Northwestern Ohio Horticultural Society will hold its December meeting at the home of Fred Smith.

Hoerber Bros.

Wholesale Growers of CUT FLOWERS

162 N Wabash Avenue,

Telephone: Randolph 2578

CHICAGO

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, 'Mums, Pompons and Greens of all kinds.

Cut Flowers

AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Philadelphia.

CHRYSANTHEMUMS ON THE WANE.

While there still appears to be a sufficient stock of chrysanthemums for the demand, the great supply, which has completely filled the market for the last two weeks, has dwindled and the coming week's demand will undoubtedly use up all that are offered at fair prices. Bonnaillon is still the standard yellow. Golden Wedding, yellow Chadwick, yellow Eaton, are fancy yellows. Lynwood Hall, white Chadwick and Timothy Eaton are now the chief white, with a few Jenne Nonin just coming in. Maud Dean is still the best pink. The yellow pompons, Quinola and Klondyke are good sellers. Roses are fairly plentiful, American Beauties seeming to be in crop again and are to be had in quantity. The quality of the specials is fine, in fact all grades are good. The new yellows are in great demand, as the public has taken to them with a will, particularly for the baskets and bunches. Sunburst and Lady Hillingdon are now seen with long stems and command two to four dollars more a dozen than the same grade of Killarneys. Mrs. Ward is also a good seller. Carnations are gaining in quality and \$1.00 per hundred has been added to the price the past week. The Wards are still leaders. Violets are now up to the winter standard and are in good demand but at prices a trifle lower than last season. Cattleyas are a bit scarce with prices holding and, in fact, increasing. Cypripediums are more plentiful and sell fairly well. Good mignonette is now to be had in quantity and will be one of the staples from now on. Snapdragon sells up close every day. Winter flowering plants are now seen in fair assortment, including cyclamen with from 3 to 6 flowers. Begonia Lorraine and Cincinnati, primulas, and azaleas, very well flowered for the season, and poinsettias.

NOTES.

Leo Niessen says the Philadelphia market is growing larger all the time, the quantity of stock now coming in being much larger than last season. Forty-two employees are kept busy all day long handling the business at this busy place. More than half the American Beauties coming to this city are handled by this firm.

The cry that the retailers were averse to handling new roses has been disproved by the demand for the new yellows, which are behind the demand in quantity. Let the growers produce good stock of any kind and the deal-

ers will fight among themselves to get it.

All the red things for Christmas are having a great run at M. Rice & Co.'s place. Special baskets for the holidays are pushing the factory to its limit to get them out on time.

Azaleas, araucarias and begonias are features with Godfrey Aschmann. He says the Christmas demand was never better, many orders being received for December delivery.

Eugene Weiss opened his Germantown avenue flower shop last Saturday. He simply had to get back into the harness again. We wish him every success.

Chadwick chrysanthemums, pink, white and yellow, were the feature of the Berger market the past week. A splendid stock of boxwood is also seen here.

John Gracey cleared up the Harris chrysanthemums on Saturday last, purchasing the balance of the crop for his Thanksgiving day business.

Julius Wolf, Jr., has purchased two autos to add to his delivery service. The last is a Ford, for which a special body is being made.

Frank Gane is much encouraged in his new venture on Thirteenth street. The store presents a bright, up-to-date appearance.

The Floracraft Gardens, Moorestown, N. J., are having great success with valley, the stock grading high.

Adolph Farenwald is sending some very fine American Beauties to the Leo. Niessen Co. K.

Cincinnati.

CHRYSANTHEMUMS SELL POORLY.

The market last week was a very trying one. The chrysanthemums proved almost the least popular of all flowers, while those that were either in short supply or off crop sold well and in many cases more of them might have been used. The ruling prices are only fair. The chrysanthemum market was as a whole very poor. Some of the better blooms both in large varieties and pompons sold nicely, but the bulk of the supply found either a very slow market or none at all. White roses and lilies followed right on the footsteps of chrysanthemums as far as being good sellers. Almost everything else sold nicely when all the attendant circumstances and conditions are taken into consideration. American Beauties, Richmond and pink roses moved fairly well. The same is true of valley, orchids, violets and carnations. Sweet peas were in demand. Narcissi cleaned

Clean Newspapers

for lining shipping boxes

\$16.00 per ton.

F. O. B. Chicago.

In less than ton lots

\$1.00 per 100 lbs.

L. HOECKNER

1515 Clybourn Ave., Chicago.

U S E Budlong's Blue Ribbon Valley.

up nicely. Considerable stevia was offered. The sales in these lines, however, were not at such a high price that they could offset the slump in the other lines.

NOTES.

The committee consisting of C. H. Hoffmeister, Al. Heckman, Jr., and Ray Murphy have been hustling and working faithfully and as a result of their efforts a successful affair, successful both in respect to attendance and the artistic features, is assured. The time and place is Burnet House, on Monday, December 9, at 8 p. m. Those who have not already signified their intention of attending should notify the committee at once.

C. E. Critchell has, for the past fortnight, been receiving from C. L. Baum, Knoxville, Tenn., some of the longest American Beauties ever offered on the local market.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
Rogers Park 227—Nursery.

U S Budlong's E Blue Ribbon Valley.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

A. Davis, of the Davis Floral Co.,
is suffering with an attack of grip.
Ed. Fries bagged 105 rabbits last
week on a hunting trip.

Visitors: Geo. Bartholomew and
wife, Dayton, O.; A. F. Longren, rep-
resenting the Poehlmann Bros. Co.,
Chicago, and Milton Alexander. H.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Team Standings.

Won		Lost		Carnations		Orchids	
Roses	18	12	Carnations	14	16		
Violets	17	13	Orchids	11	19		

Individual and team scores for games
played November 20:

Carnations.		Roses.	
Lorman	148 200 195	Goerisch	119 93 113
L'bmann	125 135 176	Cassier	147 117 109
Viliter	87 133 138	Le Ganger	170 171
Wolf	173 113 125	Price	179 181 157
A. Zech	168 160 159	Fischer	157 164 157
		Wenzel	147
Totals	701 741 793		

Orchids.		Violets.	
Michelsen	115 123 111	A. H'bner	130 118 119
Wolf	189 162 172	Jacobs	145 159 139
Cohen	138 118 131	Simon	139 128 131
George	157 188 184	Schultz	144 176 172
J. Zech	158 181 171	J. H'bner	158 184 139
Totals	757 772 773	Totals	716 765 700

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Nov. 26.		Per doz.
Roses, Beauty, specials.....	6 00	
" " 36-in.....	5 00	
" " 30-in.....	4 00	
" " 24-in.....	3 00	
" " 15-20-in.....	2 00	
" " 12-in.....	1 00@1 50	
" " Short.....	6 00@10 00	
" Killarney.....	3 00@8 00	
" White Killarney.....	3 00@8 00	
" Richmond.....	3 00@8 00	
" Prince de Bulgarie.....	4 00@10 00	
" Radiance.....	3 00@8 00	
" Mrs. Aaron Ward.....	4 00@10 00	
" My Maryland.....	3 00@8 00	
" Melody.....	3 00@8 00	
" Mrs. Jardine.....	3 00@8 00	
" Kaiserin Augusta Victoria..	3 00@8 00	
" Lady Hillington.....	3 00@8 00	
" Sunburst.....	4 00@10 00	
Carnations.....	3 00@4 00	
Cattleyas.....per doz.,	6 00@7 50	
Chrysanthemums, doz.,	2 00@4 00	
Pompons, bunch,	35@ 50	
Gardenias.....	3 00@4 00	
Lilium Harrisii.....	12 00	
Narcissus, Paper White.....	3 00@4 00	
Orchids Dendrobium, per doz.,	6 00	
Stevia.....	1 50@2 00	
Violets.....	1 00@1 50	
Valley.....	3 00@4 00	
Violets, Princess of Wales.....	1 00@1 50	
Adiantum Croweanum.....	1 00	
Ferns.....per 1000,	1 50@2 00	
Galax.....	1 25	
Leucothoe.....	75	
Mexican Ivy.....per 1000,	5 00	
Plumous Strings, each,	50@ 60	
Smilax.....per doz.,	1 50@2 00	
Sprengeri, Plumous Sprays.....	3 00@4 00	

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond,
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The
best on the market for the price. Every facility
for rapid delivery.

St. Louis Florists!

Get your Boxwood from us. It's the best import-
ed boxwood obtainable. All greens, no
sticks—also anything else you
may want.

WINDLER WHOLESALE FLORAL CO.

1310 Pine St., - ST. LOUIS, MO.

Both Phones, Olive or Central 1474.

CREPE PAPER

(FOR POT COVERS)

Water proof (all colors).....per 100, \$12.50
Pebbled, pleated (all colors).....14.00
Porto Rican Mats (all colors).....12.50
50 at 100 rate. Samples Free.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Boston.

GOOD SEASON EXPECTED.

This has been a good week and
growers, wholesalers and retailers all
look forward to a good winter.
Thanksgiving usually sees the open-
ing of the winter's trade. Everything
has sold well this week. Roses and
carnations have advanced in price.
The latter are scarce, though nobody
knows why. Even the big growers
say their shipments have dwindled
down to hundreds instead of thou-
sands. In chrysanthemums, yellow
bonnaffons have had a good call.
Good reds had a good demand at the
end of the week for the Harvard-Yale
football game. Violets are plentiful.

MARION, O.—New greenhouses and
other improvements completed recently
make the plant of F. E. Blake of this
city one of the most complete in the
state.

CHAMPAIGN, ILL.—The Illinois State
Horticultural Society has announced
its program for the fifty-seventh an-
nual convention to be held here De-
cember 10-13.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Mil-
waukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Nov. 26.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
" " first.....	8 00@16 00	
" Brides and Maids.....	4 00@10 00	
" Killarney.....	3 00@10 00	
" White Killarney.....	3 00@10 00	
" Liberty.....	3 00@10 00	
Cattleyas.....	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Gardenias.....per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@5 00	
Marguerites.....	75@1 00	
Snappers.....	3 00@6 00	
Sweet Peas.....	40@ 50	
Violets, single.....	50@1 00	
" double.....	75@1 00	
Adiantum.....	75@1 00	
Asparagus.....per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURGH, Nov. 26.		Per 100
Roses, Beauty, special.....	25 00	
" " extra.....	12 00@20 00	
" " No. 1.....	6 00@10 00	
" Killarney.....	2 00@6 00	
" My Maryland.....	2 00@6 00	
" Richmond.....	2 00@4 00	
Asters.....	1 00@4 00	
Cattleyas.....	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli.....	2 00@4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@4 00	
Adiantum.....	1 00	
Asparagus Sprengerii, per bunch, 35@40		
Sprays.....per bunch, 35@40		

MILWAUKEE, Nov. 26.		Per 100
Roses, Beauty, per doz., 1 00@5 00		
" White and Pink Killarney.....	3 00@10 00	
" " Richmond.....	3 00@10 00	
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@12 00	
Carnations.....	4 00@5 00	
Chrysanthemums, white yellow and pink.....per doz., 1 00@3 00		
'Mums, Pompons, per bunch, 50		
Lilium Giganteum.....per doz., 2 00		
Lily of the Valley.....	3 00@4 00	
Violets, Wisconsin grown.....	1 50@2 00	
Adiantum.....	1 50	
Asparagus.....per string, 50		
Sprengerii, per bunch, 25@ 35		
Boxwood.....per bunch, 25		
Ferns, Fancy.....per 1000, 2 00		
Oak Sprays, prepared.....	1 00	
Wild Smilax, per case.....	85 00	

LA CROSSE, WIS.—The La Crosse
Floral Co. is starting work on the con-
struction of a \$15,000 addition to its
plant. Four new greenhouses will be
built.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Mention the American Florist when writing

HIGH GRADE BEAUTIES

More Beauties or better stock we have never been able to offer you during the month of December. You will find our stock well grown, clean foliage, fine large buds of a good color. When in the market for a quantity, let us quote you.

BOXWOOD SPRAYS, 50-lb. case, \$7.50.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Nov. 26.		Per 100
Roses, Beauty, special.	35	00@40 00
fancy	25	00@35 00
extra.	15	00@25 00
No. 1.	10	00@15 00
No. 2.	4	00@ 6 00
Maid and Bride.	3	00@ 6 00
Pink Killarney.	3	00@10 00
White Killarney.	3	00@10 00
Richmond.	4	00@12 00
My Maryland.	3	00@ 8 00
Kaiserin.	3	00@ 8 00
Carnot.	3	00@ 7 00
Mrs. Taft.	4	00@ 8 00
Aaron Ward.	6	00@10 00
Carnations.	2	00@ 3 00
Chrysanthemums.	6	00@20 00
pompons, per bunch.	25	@ 35
Lilium Longiflorum.	10	00@12 00
Lily of the Valley.	3	00@ 4 00
Pink Japan Lily.	3	00@ 4 00
Narcissus.	2	50@ 3 00
Stevia.		1 00
Swainsona.	50	@ 1 00
Violets.	75	@ 1 00
Adiantum Croweanum.	75	@ 1 50
Asparagus, per bunch.	35	@ 50
Asparagus, Sprengerii.	35	@ 50
Ferns.		per 1000, \$2 00
Galax.		per 1000, \$1 50
Smilax.		15 00
BOSTON, Nov. 26.		Per 100
Roses, Beauty, best.	20	00@25 00
medium.	12	00@20 00
culls.	2	00@ 4 00
White and Pink Killarney	1	00@ 6 00
Extra.	4	00@ 8 00
Taft.	4	00@12 00
Cardinal.	4	00@12 00
Ward and Hillingdon.	4	00@12 00
Killarney and Richmond.	2	00@ 8 00
My Maryland.	2	00@ 8 00
Carnot.	6	00@ 8 00
Carnations, select.	1	50@ 3 00
Callas.	8	00@12 00
Cattleyas.	35	00@50 00
Chrysanthemums.	8	00@16 00
Gardenias.	12	00@16 00
Lilium Longiflorum.	8	00@12 00
Lily of the Valley.	2	00@ 4 00
Sweet Peas.		50 @ 1 00
Smilax.	12	00@16 00
CINCINNATI, Nov. 26.		Per 100
Roses, Beauty.		per doz., 1 00@ 5 00
Bride, Bridesmaid.	2	00@ 8 00
Killarney.	2	00@ 8 00
My Maryland.	2	00@ 8 00
Perle.	2	00@ 8 00
Richmond.	2	00@ 8 00
Taft.	2	00@ 8 00
Chrysanthemums, doz.	1	00@ 3 00
Carnations.	2	00@ 3 00
Callas.		12 50
Lilium Giganteum.		12 50
Lily of the Valley.	3	00@ 4 00
Orchids.		per doz., 6 00
Sweet Peas.		50
Violets.		50
double.		50
Adiantum.		1 00
Asparagus Plumosus.	25	per bunch,
Asparagus Sprengerii.	25	per bunch,

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street, : : BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Bell Telephone 2937 Filbert.

EMIL LELACHE

Grower and Wholesale Florist.

CONSIGNMENTS OF FLOWERS SOLICITED.

312-14 Terminal Market, Philadelphia, Pa.
12th and Filbert Streets.

ST. LOUIS, Nov. 26.		Per 100
Roses, Beauty, medium.	8	00@15 00
Roses, Beauty, short stems.	3	00@ 6 00
Killarney.	3	00@ 6 00
My Maryland.	3	00@ 8 00
White Killarney.	4	00@ 8 00
Carnations.	3	00@ 4 00
Chrysanthemums, small.	5	00@ 8 00
large.	15	00@25 00
Easter Lilies.		10 00
Lilium Rubrum.	5	00@ 6 00
Valley.		4 00
Asparagus Sprengerii.	2	00@ 3 00
Asparagus Plumosus, per bu.	35	@60
Ferns, New. Fancy.		1 50

NEW ORLEANS, LA.—The Metairie Ridge Nursery held "open house" Sunday, October 27. A large number of visitors were present.

—THE— J. M. McCullough's Sons Co., Wholesale Commission Florists. —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Seattle Cut Flower Exchange

Removed to

1608 Second Ave., SEATTLE, WASH

Everything in Cut Flowers Greens,
Plants, etc.

Write, wire or Phone. L. P. WALZ, Mgr

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

SLIGHT IMPROVEMENT IN TRADE.

The business of the past week was a slight improvement over that of the previous week but it was not good enough to give any wholesaler thrills. The glut of chrysanthemums, particularly toward the last of the week, was not so apparent, and though much good stock is yet arriving it is hoped that most of it can be handled. Considering the stock that has already been cut, and the present condition of the weather, it would seem impossible that the chrysanthemums can last much longer. As this is written it is less than a week from Thanksgiving and the weather is like May. True, there have been a few chilly mornings and an occasional cold wind, but it doesn't last. It may be that the slight falling off in the supply at this time is but the precursor of another glut at Thanksgiving. There is an abundant supply of roses and carnations, and though the best stock moves freely there are no high prices. Orchids are the only stock that is not plentiful and though we would not say they are scarce, the prices for selected stock have been slightly advancing. The best quality of gardenias are holding their own but the poor stock is hard to dispose of. Violets hang heavy on the hands of the wholesale dealers. Possibly a few hundred that are extra good and fresh may bring 50 to 60 cents a hundred, but there is sure to be a lot left that go begging. Asparagus and smilax are plentiful and cheap; while the asking prices for smilax is \$1.00 a dozen, sales are made at 75 cents. There was a very lively movement in the early morning markets Saturday, November 23. This was very noticeable in the Coogan building where the New York Cut Flower Co. and the Cut Flower Exchange are located. There was also a better feeling in Twenty-eighth street. Wagons piled high with boxes of flowers went out of Twenty-eighth street November 23, their destination being department stores. These flowers were bought at a very low figure and all who know the methods of department store sales, know that no regular retail florist can compete with that kind of business. What happened on that day is but a sample of what has happened on many other days. We have many clubs and societies in which fraternity and helpfulness, one toward another, is frequently mentioned. Can the growers afford to contribute to the slaughter, figuratively speaking, of the retailers who have spent many years in building up their business?

Monday, November 25.—There is an upward tendency in prices this morning, particularly noticeable in carnations and lily of the valley. There was a thunderstorm on Sunday, November 24, followed by a cold wave and a fierce north wind is sweeping over the city.

NOTES.

Gottlieb Myer, the retail florist of Madison avenue and Fifty-eighth street, was in police court Monday morning to defend two of his men who had been arrested at Madison Square Garden for breaking the sabbath. Mr. Myer decorated the garden for the Horse Show and among many other good features, used a lot of fine palms, which he was naturally anxious to get back to his conservatory. When the wagon was loaded one of the "finest" appeared and put the two men under arrest. The two men and the load of palms were taken to the station. Mr. Myer going on a street car. Judge Appleton, who is noted for his fairness, doubtless saw the inconsistency of the arrest, with hundreds of more flagrant violations happening every Sunday, and honorably discharged the two men.

N. Christatos, Fifty-eighth street and Sixth avenue, has had printed a

card which he gives to customers. On one side there is an acrostic poem, the acrostic being, "N. Christatos," in which the merits of his stock are set forth. On the other side, there are minute directions for the care of cut flowers and house plants. Mr. Christatos is one of the old timers in the business and his show windows are always beautiful.

Although occasional complaints are heard from certain quarters, Max Schling, who has a fine store adjoining the Plaza Hotel, is always bubbling over with good nature and every time we call his large force is busy filling orders. He always has fine stock and has orders for decorations booked weeks and even months ahead.

Alexander Donaldson, son of John Donaldson, the well known grower of Elmhurst, L. I., is reported as being in the Flushing hospital in a serious condition as the result of an operation. His father and mother, who recently went south for the benefit of Mrs. Donaldson's health, have been called home by telegraph.

Peter Bogart, who has a record of twenty-six years in the retail business, recently talked interestingly of past and present conditions in the cut flower trade. He is an optimist, has always had a good business and does not "view with alarm" the coming and going of freaks and fakirs.

At the store of Geo. M. Stumpp we recently noticed a splendid window display of palms, ferns, flowering and other foliage plants. This store has always been noted for its artistic arrangements and combination of plants and is now early in the field with much fine stock.

A petition in bankruptcy has been filed against Butler, Florist, Inc., 18 East Forty-sixth street. The liabilities are \$3,000 and the assets \$1,500. This business was formerly located on Broadway. In recent years it has been conducted by Eugene Maccan.

Victor Darvel, C. W. Scott, John Miesem and Philip Einsmann, who have been on a southern trip, have returned home well pleased. They visited Old Point Comfort, Richmond and other Virginia cities.

Alexander McConnell's Fifth avenue store is now very beautiful and every feature is pleasing. Camellias, which are again becoming fashionable, may be seen at this store in perfect condition.

Herman Weiss, one of the young men in the wholesale business, is handling exceptionally fine stock of the chrysanthemum "Jenny Noonas," and it brings good prices.

The Johnstone Heating Co. has taken 275 feet of space in the Grand Central Palace, for the International Flower Show and plans to make a fine exhibit of boilers.

The next meeting of the New York Florists' Club will be held in the Grand Opera House building on the night of December 9. It will be election night.

A. F. F.

Rochester, N. Y.

ROSES VERY POOR.

The market is well supplied with all kinds of stock, save carnations. The shipments of these flowers are small and the demand great. Roses are very unsatisfactory. The outer petals are brown and dry and look old, and the flowers are small. Probably with more settled weather the quality would improve somewhat. Business is looking up now and the outlook is better. The chrysanthemums are large, fine flowers. Pink and White Ivory, Major Bonaffon, White Bonaffon, Timothy Eaton, Patty, Queen, Christy Mathewson and Col. Appleton are included in the list. Sweet peas, candy tuft, Paper White narcissi and snapdragons are also seen. Violets are plentiful and good. Valley maintains its high quality. Stevia

has appeared and is sold readily. About all the stores have been busy with funeral work during the week and also a number of wedding orders have been filled.

NOTES.

George T. Boucher is making a decided increase in his store space. For a long time a circulating library has been using nearly half of the room. Soon however this will remove to another store, giving Mr. Boucher all of the space.

Charles Curtis of Irondequoit, N. Y., is growing some very fine Boston ferns this fall. This is his first attempt and he has been successful. Something like 1,600 good plants are in the house.

The Lord & Burnham Co., New York, has opened a branch office here in the Granite building, Main and St. Paul streets, in charge of H. E. Bates.

The ladies of the Florists' Association met at the Elm bowling hall on Tuesday with their husbands as guests.

Stephen Green, representing H. Bayersdorfer of Philadelphia, Pa., called on the trade this week.

The Maurer-Haap Co. is doing a good business in bulbs and plants for fancy hedges.

H. E. Wilson had a large decoration during the past week at the Powers hotel.

Hiram E. Wilson and wife have gone to Florida for the winter.

Thomas Cogger, formerly of Rochester, called on trade this week.

Miss Ball is now in the employ of the Rochester Floral Co.

Chas. Gow has been sick for two or three days. H. J. H.

Nashville, Tenn.

ANNUAL FOOTBALL GAME.

All the florists in this city are, as usual, on this date, looking forward to the annual Thanksgiving Day football game between Vanderbilt University and Sewanee. The Vanderbilt colors are represented by the yellow chrysanthemum, and the Sewanee colors by violets and chrysanthemums. Both flowers are grown to perfection to meet this annual demand, much to the joy of the grower, who plans his annual crop accordingly. There is no doubt that of the many thousand chrysanthemums now in the various floral establishments few, if any, will be left on hand by nightfall of Thanksgiving. The yellow chrysanthemums were never seen in better form.

NOTES.

McIntyre Bros. are installed in their beautiful new store on West End avenue, one of the fashionable residential sections. It is quite an innovation and looks very attractive among its aristocratic neighbors. The old residence, once a very handsome one, has been remodeled to meet the requirements of a floral store. The front floor room was lowered and brought out to the street, making a very commodious storeroom where all the business will be transacted. It is fully equipped with handsome counters, show cases and display cases. A large refrigerator has been built in the store capable of holding a vast amount of cut flowers. To the side of the store extending also to the street, and opening into the store is a very pretty greenhouse; very ornamental and attractive.

The Joy Floral Co. has already put in the football decorations which are both novel and beautiful. One window represents Vanderbilt and has a huge floral football of yellow chrysanthemums suspended from yellow and black streamers across the window. The floral football bears on black ribbon with gold letters, the word "Vanderbilt." The other window, the same in size and shape, is decorated in the same manner with the colors white and purple. Mr. Joy says he will have

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Badgley, Riedel & Meyer, Inc.**

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 1665 Madison Sq.

Consignments Solicited

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.**The Kervan Company**

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST

OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

between two and three thousand fine flowers on sale. His roses and carnations will be abundant. For some time now he has had sweet peas and is still cutting a good crop of them.

Louis Haury & Sons have a trade and are more than satisfied with their experience in the uptown store. They have fine chrysanthemums and will have about fifteen hundred on sale Thanksgiving Day both white and yellow. Their potted chrysanthemums have sold well in both the pompon and other varieties. They will have plenty of violets for Thanksgiving and expect to meet all demands. They have issued a neat little leaflet of some of the fine designs and bouquets they have made.

Geny Bros. have a beautiful show window of fine potted and cut chrysanthemums. They are in great shape for the oncoming demand and the firm expects to do a good business. They have had fine sales all along on their chrysanthemums. They will be in good shape for the violet trade as they are having an abundant supply. Their roses are fine and carnations never better. They will be able to cut at least three thousand chrysanthemums for Thanksgiving.

M. C. D.

CHRYSANTHEMUMS

We Can Fill Your Orders

Medium grades.....\$ 8.00 to \$10.00
Fancy grades.....15.00 to 20.00
Extra special.....25.00 to 35.00

Properly packed to insure delivery in first-class condition.

Roses, Carnations, Violets, Valley.

Write, Phone or Telegraph.

George B. Hart, 24 Stone Street,
ROCHESTER, N. Y.

Mention the American Florist when writing

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Nov. 26. Per 100

Roses, Beauty, special.....	25 00@30 00
" " extra and fancy.....	15 00@20 00
" " No. 1 and No. 2.....	3 00@8 00
" " Bride, Bridesmaid special.....	3 00@5 00
" " extra and fancy.....	2 00@3 00
" " No. 1 and No. 2.....	1 00@2 00
" " Killarney, My Maryland.....	5 00@8 00
" " extra and fancy.....	3 00@4 00
" " No. 1 and No. 2.....	1 00@2 00
" " Taft, Hillingdon, Aaron.....	1 00@6 00
" " Ward.....	50@10 00
" " Richmond.....	6 00@10 00
" " Sunburst, special.....	6 00@30 00
" " Mrs. Geo. Shawyer.....	3 00@4 00
Carnations.....	25 00@50 00
Cattleyas.....	2 00@40 00
Chrysanthemums.....	10 00@25 00
Gardenias.....	2 00@4 00
Lilies, Longiflorum and Harrisii.....	3 00@4 00
Lily of the Valley.....	1 50@2 00
Narcissus, Paper White.....	50@75
Sweet Peas, per doz, bunches.....	40@50
Violets.....	15@50
Adiantum Croweanum.....	1 50@3 00
Asparagus Plumosus, doz, bchs.....	1 50@3 00
Smilax.....	1 00@1 50

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue, NEW YORK**N. Y. Cut Flower Exchange**Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

RED XMAS GOODS.

Order Yours From the House Where Quality Counts.

M. RICE & CO.

1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, - - \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA

EVERGREENS.

Arbor Vitae Clippings, 5 to 12 inches long, put
up in a neat case, net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long; per case \$2.00.

White Pine Clippings, 5 to 12 inches long, put
up in a neat case. Net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long. Per case \$2.00.

CHAS. F. UECKE, NEW LONDON, WIS.

FANCY HOLLY

\$3.00 per case.

Cash or satisfactory reference with first order.

W. Z. Purnell, Snow Hill, Md.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet

MOSSSES

E. A. BEAVEN, Evergreen, Ala.

Trade Directory

PRICE: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St., CHICAGO

HOLLY Have 9 years' experience packing
holly in cases, 2x2x4. Parties want-
ing good quality Virginia Holly can have their
wants supplied by writing

T. J. Eubank, Brown's Store, Va.

THE MEYER GREEN SILKALINE

The BEST Thread on The Market
for FLORISTS and GROWERS.



THE LOWELL THREAD MILLS.

Ask your jobber to supply you with this
Strong, Smooth Thread. For more than
a quarter of a century a Prime Favorite
with Growers and Florists.

Manufactured By

JOHN C MEYER & CO.

LOWELL, MASS.



FANCY FERNS, \$1.50 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50 pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket..\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....	50c per 1000, \$4.00 per case (10,000)
Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST
REFERENCES. BANNERS ELK, N. C.

DESERT HOLLY

Something New for
Holiday Decorations

A native of Death Valley, growing in a few isolated spots in Southern Nevada. A white
waxen holly leaf and stem with a small red cotton berry. A sample will convince you of its
beauty. 50c and \$1.00. Season November 1st to December 30th.

Make reservation for date of shipment as advance orders will receive prompt attention.
Crates 2x2x2½ feet, F. O. B. Amargosa, \$5.00. Cash with order or C. O. D. Write

THE O. A. KIMBALL COMPANY,

GOLDFIELD, NEVADA

BOUQUET GREEN

Best quality at lowest rates. We gather
our own Greens and bring by boat direct.
Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY,

MILFORD, N. H.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger

Ferns, Bronze and

Green Galax, Holly,

Leucothoe Sprays,

Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Delaware Holly

Heavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case.
14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN,

Felton, Del.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn. New York.

"WILSON"

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Chicago.

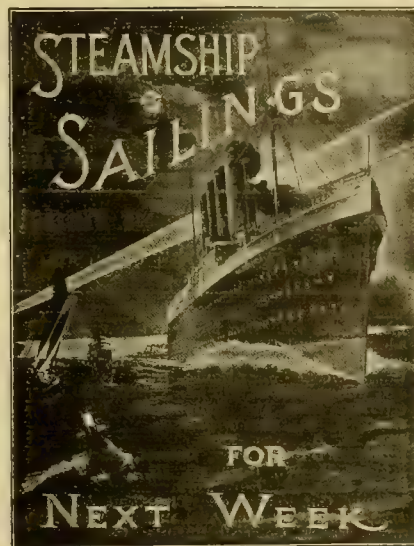
A. LANGE,

25 E. MADISON ST.

Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.
Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.
December 3.

FROM PHILADELPHIA, Prinz Oskar, Ham.-Amer., 11 a. m.
Potsdam, Holland-America, 10 a. m.

December 4.

Kronland, Red Star, 10 a. m.
Venizia, Fabre, 3 p. m.
Caracas, Red "D," noon, Pier 11, Brooklyn.

December 5.

La Savoie, French, 10 a. m., Pier 57, North River.
Uranium, Uranium.
Celtic, White Star, 12 noon.
Oscar II, Scand.-American, 2 p. m.

December 6.

FROM ST. JOHN, Victorian, Allan.

December 7.

FROM HALIFAX, Victorian, Allan.
Cameronia, Anchor, 8 a. m., Pier 64, North River.
Carmania, Cunard.
Ultonia, Cunard.
Rochambeau, French, 3 p. m., Pier 57, North River.

New York, American, 9:30 a. m., Pier 62, North River.

FROM PHILADELPHIA, Haverford, American, 10 a. m.
Majestic, White Star, 12 noon.

FROM PORTLAND, Laurentic, White Star-Dom., 10 a. m.
President Grant, Ham.-Amer., 9 a. m.

Duca D'Aosta, Navigazione, Pier 64, North River.
Koenig Albert, North German Lloyd, 11 a. m.

Kaiser Franz Joseph, Austro-American, 1 p. m.
San Juan, Porto Rico.

Katuna, Norton.
Magdalena, Royal Mail.

FROM NEW YORK EXCEPT AS NOTED.

December 8.

St. Quentin, Barber.
December 9.
Cincinnati, Ham.-Amer., 10 a. m.

December 10.

FROM BOSTON, Saxonia, Cunard.
New Amsterdam, Holland-America, 10 a. m.
Koenigin Luise, North German Lloyd, 10 a. m.
Bremen Piers.

United States, Scandinavian-American, 2 p. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamship, or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg

Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists

Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 58 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, President.
Floral Co.**

Members Florists' Telegraph Delivery.

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop".

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

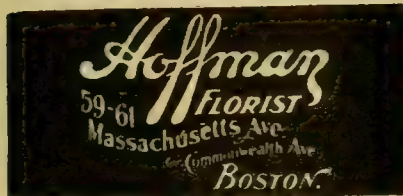
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, Ohio.—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pelicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Wire, Write or Phone West 822
Member Florists' Telegraph Delivery,
Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 3189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses,
Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS
PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Helm)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 809-811 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK
No. 22 West 59th Street
Adjoining Plaza Hotel

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA
PELICANO, ROSSI & CO.,
123 KEARNY ST.

Montreal.

CHRYSANTHEMUMS PLENTIFUL.

Chrysanthemums have been plentiful and of good quality. Yellows are selling best, whites second and pinks take third place. There is a limited demand for bronzes and reds. Singles are greatly in favor and sell readily. The varieties are legion. Roses and carnations will come to their own when the chrysanthemums are over.

CLUB MEETING.

The chrysanthemum show held recently at the club rooms was a surprise to all. The entries filled the large hall and the quality was above all expectations. Hall & Robinson, in the cut bloom section, easily carried off the first prizes. P. McKenna & Son were awarded, for a special exhibit of single chrysanthemums, a cultural certificate. Hall & Robinson won a special prize for an exhibit of roses, including all the newest varieties. The exhibit was visited by the ladies from the court of the Royal Guardians who appeared in a body. The preparations for the celebration of the twenty-fifth anniversary of the Montreal Gardeners and Florists' Club are nearly completed. Jas. Bennett, first president of the club, will preside at the banquet and an effort will be made to locate all the charter members and have them present. Any charter member is invited to correspond with W. H. Horobin, secretary, 283 Marquette street, for information. Fred Harris and Alex Morison were elected members, and J. H. Eddy, A. C. Wilshire and Julius Luck were appointed to audit the books. The awards at the exhibition were as follows: Chrysanthemum plant—T. Arnold, gardener to Mrs. C. M. Hays, first; L. Arnold gardener to J. Sutherland, second. Single chrysanthemum—T. Arnold, first. Chrysanthemum plant, 6 inch pot—T. Arnold, first; J. A. Travis, gardener to A. H. Sims, second. Nephrolepis—J. A. Travis, first; T. Arnold, second. Pan of ferns—J. A. Travis, first. Orchid—T. Arnold, first; J. A. Travis, second. Begonia Gloire de Lorraine—T. Arnold, first; L. Arnold, second; J. W. Turner, gardener to E. B. Greenshields, third. Begonia, other varieties—J. W. Turner, first. Cut chrysanthemums, twelve—Hall & Robinson, first; J. W. Turner, second. Three white—Hall & Robinson, first. Pink—Hall & Robinson, first; T. T. Arnold, second; L. Arnold, third. Yellow—Hall & Robinson, first. Red—T. Arnold, first. Bronze—Hall & Robinson, first; T. Arnold, second. Chrysanthemums and begonias—Hall & Robinson, first; T. Arnold, second. Vase of singles—Hall & Robinson, first; P. McKenna & Sons, second; J. Eddy & Sons, third; J. W. Turner, fourth. Vase of Pompons—P. McKenna & Son, first; Hall & Robinson, second. Special exhibit of seedling chrysanthemums—P. McKenna & Son. Special exhibit of roses—Hall & Robinson.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
—CANAL ST.

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Deliver

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Pot				
6-in.	6 to 7	28 to 30.....	1 50	18 00	5-in., nicely characterized.....			Each	
Cedar tub Leaves		In. high.	Each	Doz.	6-in., 18 to 20-in. spread.....			1 50	
	7-in.	34 to 36.....	2 50	30 00	Cedar tub	High	Spread	Each	
	9-in.	40 to 45.....	4 00	48 00	7-in.	18-in.	24-in.	\$2 00	
	9-in.	42 to 48.....	5 00		Cibotium Schiedel				
	9-in.	48 to 54.....	6 00		Cedar tub	Spread		Each	
	9-in.	5 ft.....	8 00		7-in.	2 to 2½ feet.....		\$2 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	4 feet.....		4 00	
					9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

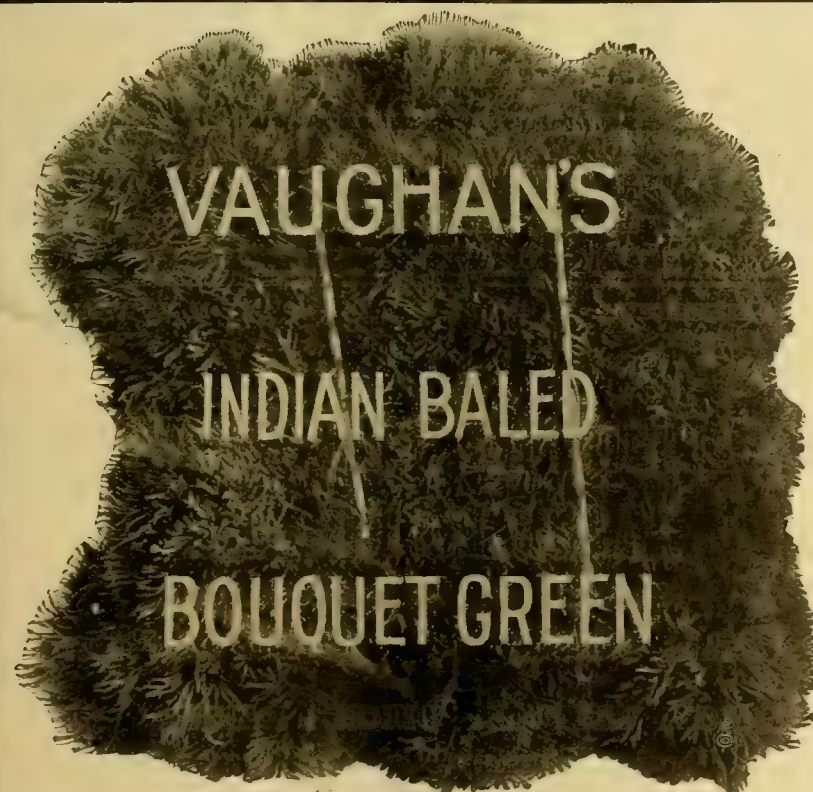
When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station,
Jenkintown.



VAUGHAN'S

INDIAN BALED

BOUQUET GREEN

Bouquet

Green

XXX Holly

Boxwood

Laurel

Wreathing

Holly and } Wreaths
Evergreen }

Mistletoe and Immortelles

Write for our "Christmas List."

We Are Headquarters.—Write or wire us for prices when ready to buy. Prices quoted are for prompt acceptance, and customers will please ask for net prices just when ready to buy, as values FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

VAUGHAN'S SEED STORE,

Chicago and New York

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

TUBEROSE crop reports indicate a shortage of from 20 to 25 per cent.

WM. H. MAULE, Philadelphia, Pa., and family are at Virginia Hot Springs.

MONTANA PEAS from heavy, late soil are rotting considerably, some having been caught by early frosts.

W. ATLEE BURPEE, Philadelphia, Pa., promises the trade a sensation in his forthcoming 1913 general catalogue.

NEW ALBANY, IND.—The New Albany Seed and Implement Co. has incorporated. The capital stock is \$5,000, and the directors are Herman Brown, Sr., Louisa Brown and Henry Goetz.

BOUQUET GREEN.—Cold weather and snow has stopped the picking of bouquet green. Slow demand and a full crop has weakened prices somewhat. With a good cold weather demand, however, the market should absorb present supply by December 1 to December 10.

DELAWARE HOLLY, it is rumored this week, has been quarantined by state or federal authorities. The Federal Horticultural Board at Washington, D. C., advises, however, that the federal law places no restrictions on Delaware cut holly and that only a small area in New England is quarantined.

HOLLY reports indicate well berried stock, but the early samples do not show the glossy foliage which a good stiff freeze usually puts on the leaves; unless this condition prevails before stock is packed in the cases it is likely to open up at the end of a long railway journey looking very dull. Offerings from the east and south have been reasonably free.

CHICAGO.—Leaders in Second District politics and personal friends to the number of about 50 gave a dinner to J. C. Vaughan at the Union League club on the evening of November 21 in recognition of the several excellent campaigns he has made in the cause of democracy in a constituency strongly republican.—Prices on the Board of Trade November 26 for grass seed were noted as follows: Timothy, \$3.25 to \$4.15 per 100 pounds.

Heinemann's Novelties.

F. C. Heinemann offers the following novelties for 1913, the descriptions being mainly in his own terms.

Petunia Hybrida Grandiflora Superbissima Nana.—All Superbissima petunias show the fault of growing too tall, being thereby of less winning appearance. The height of this strain is only one-half or two-thirds of that of the old class. A very large percentage of the seedlings will grow quite compact, as the distances between the flowering and branching shoots are remarkably short. The flowers are very large but substantial owing to their rich undulation which renders them loose and attractive, even more refined than those of the old Superbissima class. The display of colors is an extraordinarily rich one showing all shades, with deep dark

throats as well as with the most lovely veining.

Chrysanthemums Leucanthemum Secundum, June Marguerite.—This novelty flowers shortly after spring Marguerite which blooms from May till early in June, and continues until the late varieties start, thus enabling us to have this valuable cut flower without interruption from May till August. The plant grows about three feet high, producing its pretty long-stemmed flowers profusely. The latter are much larger and more elegant than that of the Spring Marguerite. Its florets being loose and somewhat ray like and not so closely set, give the whole flower a most graceful appearance.

Schizanthus Hybridus Grandiflorus.—Out of the great display of colors which the large flowering schizanthus hybrids produce this lovely variety, which comes now almost true to color, has been selected. It is a brilliant violet red of lighter and darker shading. Each flower shows the large white eye, which is a peculiarity of the schizanthus, finely veined. On a few flowers the eye shows also a golden yellow margin. The white eye enriches most markedly the whole appearance. It is dwarf, of compact growth, and the flowers are very large.

Ageratum Mexicanum Little Dorrit.—Ageratum Little Dorrit (white) offered till now has a rather unpleasant color, and if massed in beds it has more the appearance of a pale blue

than of white. All attempts to improve it were unsuccessful. This new ageratum has not been developed from the old strain, but has been cultivated by itself, coming quite true from seed. It is a really pure white variety so that a bed of it is of quite a remarkable aspect. The plants are very dwarf and compact and literally covered with flowers.

Papaver Somniferum, Hansa Poppy.—The flowers of this new poppy have a pure white ground color, passing towards the finely slitted edge to a deep crimson. The single fringed poppy is one of the most favored annuals and owing to the fact that every amateur can easily grow it without any experience the demand for it is increasing every year.

Vienna Carnation.—This new carnation has the same precedences as the improved strain of dwarf Vienna carnation. Like this it is quite dwarf and compact growing and very early flowering. The color of this introduction is a brilliant violet, quite a new shade and scarcely seen in any mixture, being most striking and very lovely.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—



New Davis Perfect.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska**

Mention the American Florist when writing

Special Prices

Single Named Hyacinths.

Your choice of colors.

	Per 100
Second size.....	\$4 00
First size.....	5 00
Exhibition size.....	5 50
Unnamed separate colors	1 90

Narcissus.

Empress Double Nose 1 35

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,

ROCHESTER, N. Y., The Flower City.

Mention the American Florist when writing

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

Cold Storage LILY OF THE VALLEY FOR CHRISTMAS FORCING

New crop should never be used for December or January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for December and January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18 00 each.

Bulbs for Fall Planting and Forcing.

Bulb stocks are getting very scarce. If you have not covered your requirements, we advise placing order without delay. We can still supply the following stock, which we offer as long as unsold.

Hyacinths, Fine named. Best commercial sorts, viz., Albertine, Baroness van Tuyl, Czar Peter, Charles Dickens, Gertrude, Gigantea, La Grandesse, L'Innocence, La Peyrouse, King of the Blues, Grand Maitre, Mme. Van der Hoop, Moreno, Robt. Steiger, etc., \$4.00 per 100.

Hyacinths, Separate colors, single. Pink, white, blue, yellow, \$2.50 per 100.

Tulips, Darwin named. Europe, Pres. Roosevelt, May Queen, Mrs. Stanley, Mme. Krelage, Gretchen, Flambeau, Bartigon, The Sultan, Isabella, Inglescombe Pink, Elegans Lutea, \$2.00 per 100.

Tulips, May-flowering or Cottage, Bouton d'Or, \$10.00 per 1,000; Bizards, Byblooms, \$7.50 per 1,000; Parrot Named, four sorts, \$1.00 per 100.

Tulips, Double. Couronne d'Or, \$14.00 per 1,000; Duke of York, La Candeur, Rose Blanche, \$1.00 per 100.

Narcissus, Paper White Grandiflora, 13 c-m bulbs, 1,250 to the case, \$10.00 per case; 14 c-m bulbs, 1,000 to the case, \$10.00 per case.

Narcissus, Alba Plena, Odorata, \$1.00 per 100; Orange Phoenix, Silver Phoenix, \$1.25 per 100;

Freemias, French, Mammoth bulbs, \$9.00 per 1,000; Purity, \$12.00 per 1,000.

Spirea, Gladstone, case of 100 clumps, \$8.00; Queen Alexandra, case of 100 clumps, \$11.00.

Lilium, Giganteum, 7-9 inch bulbs, case lots of 300 bulbs, \$16.50; Giganteum, 8-10 inch bulbs, case lot of 225, \$20.00; Multiflorum, 9-10 inch bulbs, case of 200, \$17.00.

Gladiolus, Colvilli Alba "The Bride," \$5.50 per 1,000; Peach Blossom, \$9 per 1,000.

Spanish Iris, Mixed, \$3.00 per 1,000.

Callas, Extra sized bulbs, \$10.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

VALLEY FOR CHRISTMAS

Bruns' Celebrated Chicago Market are the finest Cold Storage Valley,
\$2.00 per 100, \$18.00 per 1,000.

Florist Money Maker, \$1.80 per 100, \$16.00 per 1,000.

New Stock, now ready. Best Valley for early forcing, \$16.00 per 1,000.

H. N. BRUNS,

3032-42 Madison St., Chicago, Ill.

Japanese Grown Callas Just Received

Write for Prices.

—Wholesale only.—

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Mention the American Florist when writing

Trade Directory

OF THE

United States and Canada.

Price \$3.00 Postpaid.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Always mention The American Florist
when you order stock. ::

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Contract Seed GrowersSpecialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.**SCHILDER BROS.,** CHILLICOTHE, O.

Mention the American Florist when writing

For Fall PlantingLilium Tenuifolium, Hansonii, Davuricum,
Henryi, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, German
and Japan Iris. Fall list ready.**E. S. MILLER,** Wading River, N. Y.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

Japanese LiliesSpec. Album, 9 in.-11 in. per 100.. \$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.**WEEBER & DON** Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Mention the American Florist when writing

Field-Grown VioletsExtra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

Mention the American Florist when writing

Telegraph Code**Am. Seed Trade Association**

— \$2.00 —

Either stiff or flexible covers. Address orders.

American Florist Co., Chicago**Vaughan's Choice Forcing Stock****AZALEA MOLLIS.**

	Each	Doz.	100
Bushy, full of buds.....	\$0.50	\$5.50	\$50.00

DEUTZIA GRACILIS.

	Each	Doz.	100
8-in.. 70-80 flowering branches.....	\$0.20	\$3.00	\$30.00
6-in.. smaller stock, good value.....	.20	2.00	15.00

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best
on the market. A trial will convince.**Avalanche.** Pure white.**Mme. Emile Mouilliere.** White crimped flowers.**Mme. Maurice Hamar.** Flesh pink.Any above, 3-4 flowering shoots,
each, 75c; doz., \$8.00.**Otaksa.** 3-4 flowering shoots, each, 40c; doz.,

\$5.00; per 100, \$40.00. 5-6 flowering shoots,

each, 75c; doz., \$8.00; per 100, \$65.00.

Souv. de Mme. Chantard. Early dark pink,

3-4 flowering shoots, each, 85c; doz., \$9.00;

per 100, \$70.00.

BABY RAMBLERS.

Dormant, Field-Grown Budded Stock.

CRIMSON BABY.

	Each	Doz.	100
2-year.....	\$0.20	\$2.00	\$14.00
3-year.....	.25	2.50	16.00

JESSIE.

2-year.....	.25	2.50	18.00
3-year.....	.30	3.00	20.00

ORLEANS

2-year.....	.30	3.00	30.00
-------------	-----	------	-------

PHYLLIS.

2-year.....	.20	2.00	16.00
3-year.....	.25	2.50	18.00

CHICAGO**31-33 W. Randolph St. Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

**HYDRANGEA.****RHODODENDRONS.**

Best named varieties, all colors.

	Each	Doz.
Bushy plants, 8 to 12 buds.....	\$1.00	\$ 9.00
Bushy plants, 12 to 18 buds.....	1.25	12.00
Bushy plants, 18 to 24 buds.....	2.00	20.00

Also a few Pink and White Pearl at a 50 per
cent increase on these prices.**NEW YORK**
25 Barclay St.**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion
Seed**, delivery next fall, grown by T. M. Reid,
Port Orotova, Tenerife.**CHRIS. REUTER,** New Orleans, La.**R. & M. GODINEAU,
SEED GROWERS,**

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

Contract Seed GrowerSPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**EDGAR F. HURFF,** Mullica Hill, New Jersey.
Correspondence Solicited.**J. L. DILLON**Wholesale Grower of
Roses, Carnations and Verbenas.**Bloomsburg, Pa.****QUALITY SEEDS
BULBS PLANTS**

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

ROUTZAHN SEED CO.

Arroyo Grande, Calif.

Sweet Pea and Nasturtium Specialists

Wholesale Growers of full list of

FLOWER and GARDEN SEEDS**THE C. HERBERT COY SEED CO.**
VALLEY, Douglas County, Neb.

Contract Growers of

High Grade SeedsCucumber, Melon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn**Ferns for Dishes**

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,4911 Quincy St., CHICAGO
Mention the American Florist when writing**Boston Ferns...**

\$3.00 per 100.....\$30.00 per 1000

Whitman's Compacts (new), to take the place of
Whitman. A better commercial fern; 2 1/4 in.,

\$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.

250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

**First Aid to Buyers
Fall List of Best Roses****THE LEEDLE FLORAL COMPANY**
SPRINGFIELD-OHIO

Mention the American Florist when writing



Lil. Giganteum

From the Best Fields in Japan.

Fully Ripened Expert English Grading.

All crescent-shaped, mis-formed and undersized bulbs are left out.

7- 9-inch, 300 to case.....Per 1000, \$55.00

9-10-inch, 200 to case.....Per 1000, 95.00

Lilium Multiflorum 7-9-inch, 300 to case
.....Per 1000, \$50.00

Order Now for Present and for Storage Delivery.

Vaughan's Seed Store
CHICAGO NEW YORK.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Mention the American Florist when writing

Waldo Rohnert

GILROY, CAL.

Wholesale Seed Grower.

Specialties: Lettuce, Onion, Sweet Peas, Aster.
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

Mums, Stock Plants

Halliday, Touse, Enguehard, Golden
Age, white and pink, Shaw, Ivory,
3c each, \$2.50 per hundred. Cash.

C. C. MURPHY,

R. D. 4, No. 30. Station F, CINCINNATI, OHIO

J. Bolgiano & Son

Wholesale Field and Garden Seeds.

Established 1818. Write for our low prices.

Light, Pratt and
Ellicott Sts., Baltimore, Md.

The Everett B. Clark Seed Co.

GROWERS FOR THE TRADE

Beans, Peas, Sweet Corn, Onion, Turnip,
Radish, Beet, Etc.

Branches: Michigan
and Wisconsin. MILFORD, CONN.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Genuine Fresh Tested Seeds

Of the Crop of 1912.

We offer them in the following lines:
Pansies, Forget-Me-Nots, Daisies
(Bellis Perennis), Asters, Stocks,
Verbenas, and other Annuals.

Price List Free.

HESSE & CO.,

Seed Growers, Quedlinburg, Germany

Mention the American Florist when writing

BERLIN VALLEY PIPS.

High grade quality from
New York cold storage.

PACKED 2000 PER CASE.

\$15.00 per 1000, F. O. B. New York.

Cash with order unless of approved credit.

McHUTCHISON & CO.

The Import House

17 Murray Street, NEW YORK

Mention the American Florist when writing

John Bodger & Sons Co.

Los Angeles, California

Wholesale growers of Sweet Peas, Toma-
toes, Lima Beans, Lettuce, Asters,
Cosmos and other Flower Seeds.

Mention the American Florist when writing

J.C. Robinson Seed Co.

WATERLOO, NEBRASKA.

Rocky Ford, Colorado.

Contract growers of Cucumber, Canta-
loupe, Watermelon, Squash and Pumpkin
seed; Sugar Flint and Field Seed Corns.

Mention the American Florist when writing

Thorburn's Seeds

Florists will be interested in our
unusually comprehensive selec-
tion of high class seeds this year.

Wholesale Price List
Ready in January.

J. M. THORBURN & CO.

110 years in business in New York City
33 Barclay Street - New York

THE CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

NEW AND REVISED EDITION.

Price 40 Cents. Cash with order,
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO.

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of

WATERMELON AND MUSKMELON SEED.

ENID, OKLAHOMA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

THE Irish potato (*Solanum tuberosum*) has been prohibited from importation into the United States from the following countries by the Department of Agriculture as a result of potato wart existing in said countries: Newfoundland; islands of St. Pierre and Miquelon; Great Britain, including England, Scotland, Wales and Ireland; Germany; Austria-Hungary.

Prices of Indoor Fruits and Vegetables.

Chicago, November 25.—Mushrooms, 25 cents to 45 cents per pound; lettuce, 10 cents to 15 cents, small cases; cucumbers, \$5 to \$8.50 per case of eight dozen; tomatoes, 75 cents to \$1.35 for 10 pounds; asparagus, \$3 per dozen; radishes, 10 cents to 35 cents per dozen bunches.

New York, November 23.—Cucumbers, 75 cents to \$1 per dozen; mushrooms, \$1 to \$2 per 4-pound basket; tomatoes, 10 cents to 22 cents per pound; lettuce, 25 cents to 75 cents per strap.

Lima Beans in Cebu.

Cebu, the most densely populated of any of the large islands of the Philippine group, is confronted at all times with the problem of producing on its farms an adequate supply of food. Corn and rice, the principal food crops of the province, are largely grown throughout the island, but it is highly important that these crops be supplemented by others of known value. At the present time work is being carried on in Cebu by the Bureau of Agriculture, the Bureau of Education, and the Philippine Railway Co., not only to improve the crops already grown, but also to introduce new crops. In a recent communication Carl F. Coppage, supervising teacher in the municipality of Argao, furnishes a brief statement of work done with Lima beans. The results obtained, as shown in this report which is published herewith, indicate that his crop is one worthy of more extensive trial in other parts of the Islands:

"A small plot of Lima beans was planted about October 15, 1911, in a clay loam soil. The ground was spaded to a depth of about 10 inches, and beans planted in hills about 80 centimeters apart each way.

"When the plants were well up they were thinned to two in each hill and bamboo poles placed to support the vines. After this they received no other cultivation than such as was needful to keep down the weeds. The past season has been the driest known here for years, and there has been scarcely any rain in Argao since January 1.

"I have harvested these beans continuously since about January 15 and now (May 27) the vines are covered with blossoms and fruit in all stages of development.

"No estimate could be made as to yield per acre or hectare that would

be in any way accurate, but I have seen these beans grown in the United States and am convinced that the yield here is much better.

"Another experiment was made in a sandy soil about 80 feet from tide-water. A few beans were planted near a stone wall about February 20, 1912. When they were a few inches high some bamboo poles were placed so that the vines could get to the top of the wall, and no other attention was paid to them. On my return to Argao I found these beans bearing fruit and doing fairly well, though not so well as the ones planted in October.

"These experiments have been crude, and were made in the hope of getting some food crop that would do well on such worn-out soil as we find here in this municipality. They will be continued throughout the year in different localities and soils, and more accurate data kept. No plant enemies, so far as I know, have attacked any of the plants.

"If this variety of bean will be able to stand the wet season moderately well I am convinced that it will be a valuable addition to the food crops here in Cebu."—Philippine Agriculture Review.

BATTLE CREEK, MICH.—Fourteen new members were added at a meeting of the Battle Creek Horticultural Society November 15. Officers elected for the ensuing year were: T. H. Fuller, president; D. H. King, first vice-president; S. W. Coggan, second vice-president; M. H. Westbrook, secretary; G. S. Bennett, treasurer.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Success In Market Gardening

REVISED AND ENLARGED EDITION.

A new and larger edition of this well known work on market gardening. It contains everything a market gardener wants to know, and in a form easily understood. It is an invaluable guide to any one in the business from the beginner to the most experienced.

PRICE \$1.10

AMERICAN FLORIST CO.,
440 S. Dearborn St., Chicago.

Mushroom Spawn

New Crop ENGLISH



Just Arrived per Steamer Ionian, from London.

Live Spawn, Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

Lower prices on 1000 pound lots.

Vaughan's Seed Store,
31 and 33 W. Randolph St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER and FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Chrysanthemums, Gloriosa, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CABBAGE PLANTS

We grow plants by the million for the trade. All plants are hardy, stocky and frost-proof, grown on land unequalled for vegetable plants, where cabbage has never been before. Every plant reaches highest state of perfection, not stunted, but well-rooted and sound-budded.

ALL VARIETIES—Early Jersey Wakefield, the best selected Long Island strain; **Charleston Wakefield**, **Succession**, **Louisville** and **Drum Head**, **Large Flat Dutch**.

LETTUCE. **Big Boston Lettuce**, **Giant White Forcing Lettuce**, **Tennis Ball Lettuce**, **Grand Rapids**, etc. Fine, hardy plants, grown in cold frames.

1000 to 4,000 lots, \$1.15 per 1000. 5,000 to 10,000 lots, \$0.90 per 1000.

Special low prices on 10,000 to 20,000 lots.

No charge for packing. All shipments guaranteed more than full count.

Terms: Cash with order. Remit postoffice or express money order, or registered letter.

Eight Acres Devoted to Vegetable Plants.

Send us your order today. Booklet free. Address

Franklin Plant Farm, Inc., FRANK BRUNTON, Mgr., Norfolk, Va.
P. O. Box 964.

Prepare for Christmas.

Be Successful This Christmas. Don't be defeated in society. Moving in or even thoughts of moving in high society often brings disappointment and sorrow. Be wise and have your eyes open and do as Godfrey Aschmann does. Put your full strength and mind into business. Time lost is money lost. The time—holiday time—now has arrived, so that a proper investment of your pennies can't fail to turn them into dollars. Prosperity is at last once more knocking at your door. There are signs of a big demand for **Christmas Plants.** We were not slow in looking forward by raising an immense stock of **Choice Christmas Novelties, Godfrey Aschmann's quality,** such as described below, now in prime condition for the holidays for immediate shipment.

Araucarias Our Specialty.

6,000 at hand, all sizes.

Araucaria Excelsa is a Christmas novelty of ours that has no end.

Twenty-five years of importing, cultivating and shipping of **Araucaria Excelsa** gained us such a reputation all over America, from ocean to ocean, that it has aroused the young as well as the old, and has inflamed them to such an extent that they want at least one or two of these so much prized evergreen pine trees at Christmas on the Christmas table or in any suitable place in the home.

Look! Christmas trees will be scarce this Christmas. Why? Have you read the report of the United States Department of Agriculture, Notice of Quarantine No. 4 (Domestic), effective on and after Nov. 25th, 1912? This is on account of two injurious insects, the gypsy moth and the brown tail moth. Regulations about Christmas, too, for some of the Eastern States. If you will write to the United States Department of Agriculture, they will mail you all particulars on this subject.

A Christmas tree everybody, especially for the dear little ones, will have. Now, what will you do? I know what I am going to do. Make a break for Godfrey Aschmann's **Araucaria House.** It will give us two advantages. First, it will serve as a Christmas tree; and, look! afterwards it will serve as an ornamental plant for the parlor.

Araucaria Excelsa, 5½ to 5½-in. pots, 2-3 years old, 3-4 tiers, 14-15-16 in. high, 40c to 50c; 5½ to 6 in. pots, 3 years old, 4-5 tiers, 16-18-20 in. high, 60c to 75c; 6-in. pots, 4 years old, 4-5-6 tiers, 20-22-25 in. high, \$1.00; 6-in. pots, 5 years old, 5-6 tiers as big as an elephant, \$1.25 to \$1.50; 7-in. pots, 5 to 6 years old, 6-7 tiers, 30 to 40 in. high, a holy terror, only \$1.75 to \$2.00.

Araucaria Excelsa Glauca and Robusta Compacta, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Ferns.

The growing of *Nephrolepis* for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh sweet air. Old dark houses bring fungus and make spindly plants.

Neph. Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 5½-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5½ to 6 in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5½ to 6 in., 40c to 50c; 7-in., 75c.

Boston, 7-in., 75c; 5½ to 6 in., 40c to 50c; 5-in., 35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 6-in., 50c; 4-in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, large 4-in., bushy, 15c; 5 in., 25c.

We have a big assortment of 2½-in. **Dish Ferns**, now ready, \$4.00 per 100, 3-in., \$7.00 per 100.

6-in. dishes, made up of **Wilsoni Ferns**, one large **Dracaena Terminalis** in center, 50c.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Begonias Gloire de Lorraine and Lonsdale, pink, 5½ to 6 in. pots, 50c, 75c to \$1.00. **Glory of Cincinnati**, 5, 5½ to 6 in. pots, 50c, 75c, \$1.00, \$1.25 to \$1.50.

Begonia Gloire de Lorraine, 3-in., 12c to 15c.

Our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4-in., 15c to 20c.

Poinsettias, 4-in., 20c to 25c; 5½-in., 35c to 40c.

Large 6-in. pans, Azalea pots, filled with **Asparagus Plumosus** or **Wilsoni Ferns** or **Alba Linata**, with a **Poinsettia** in center, potted six weeks ago, now large and fine, 50c per pan.

Corpea Australis Palms, 5-in. pots, 20-in. high, 35c.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2½-in., \$3.00 per 100; 5½-in., large, 35c to 40c.

Asparagus Sprengeri, 2½-in., \$3.00 per 100.



ONE OF GODFREY ASCHMANN'S ARAUCARIA HOUSES.

AZALEAS.

Our new importation of **Azaleas** are all in and unpacked. Never in our life have we received a better and finer selection of **Azaleas** than this fall. All of them have original foliage and are well budded.

For Christmas Forcing.—If you want to be successful, lose no time and start now. Start the **Azaleas** in low temperature and increase the temperature gradually up to 60 degrees until they show color; then cool off gradually again. We have only the best well-known Christmas varieties, such as *Deutsche Perle*, white; *Simon Mardner*, pink; *Mme. Petrick*, new, pink; *Pharilda Mathilda*, variegated; *Verzaneana*, variegated rose; *Apollo*, red. Prices: 50c, 75c, \$1.00, \$1.25 to \$1.50. **For Easter Blooming** and for Easter we have the well-known American varieties, such as *Mme. Van der Cruysen*, best pink; *Paul Weber*, *De Schryveriana*, *John Llewellyn*, *Niobe* (white), *Apollo* (red), and a few more good sorts. P. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. We sell our **Azaleas** for cash only, because there is no profit to be made in **Azaleas**.

Our **Mme. Petrick Azaleas** are round as an apple, 50c, 75c, \$1.00, \$1.25 to \$1.50; covered with buds; a child can force them; best pink; earliest of all.

All other varieties are covered with buds.

No profit is made on **Azaleas** any more; therefore only **cash with order** will be accepted.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5½-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., \$10.00 per 100; 5½-in., \$2.50 per doz.

Primula Chinensis, John F. Rupp strain, assorted, 4-in., \$10.00 per 100; 5½-in., only \$2.50 per doz.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2½-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100.

Ficus Elastica, Belgium or American stock, 5-5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Daisies, Sanderi, pure white everlasting bloomer, very valuable for cut flowers, 2½-in., \$5.00 per 100.

Jerusalem Cherries (*Solanum*), 6-in., 25c, 35c, 50c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Cocos Weddelliana Palms, single, 3-in. pots, 15c, 18c and 20c.

Arauca Lutescens Palms, made up of 3 plants, 4-in., 20c to 25c; 5½-in., made up of 3 plants, 35c.

Cash with order, please. 25 sold at 100 rates. All plants must travel at purchaser's risk.

Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.

Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.

Kentia Belmoreana, 4 year old, 6-in., 26 to 28 in. high, 75c to \$1.00.

Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.

Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.

Kentia Forsteriana, 4½ to 5 in. pots, 20 to 24 in. high, 30c to 40c.

Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.

Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.

Kentia Forsteriana, 6-in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25.

Cineraria Hybrida, our well-known superior strain which created a sensation last Easter, 2-in., \$5.00 per 100; 3-in., \$7.00 per 100.

TESTIMONIALS.

When You Buy, It Pays to Buy Good Stock.

Look and see what Mr. Fred J. Michell, of that so well-known firm of Henry F. Michell Company, of Philadelphia, has got to say about our plants:

"Sept. 14th, 1912.
I have just visited the greenhouses of Mr. Godfrey Aschmann, and must say that it was indeed a great surprise to me. I have never seen a better lot of **Araucarias**, **Ferns** of all sizes, varieties and prices, **Rubbers**, **Palms**, **Azaleas**, and other plants in season, ready for shipment, as are at present at Mr. Godfrey Aschmann's."

Two of the Recent Testimonials.

Saskatchewan Greenhouses,

E. J. Coster, Proprietor,

(P. O. Box 75), Prince Albert, Sask., Canada.

Your shipment of Oct. 23rd arrived in first-class shape, and I beg to say I never bought such good ferns at the price in my life, and I have been buying them for over sixteen years. Now I am coming back to you for more stock if you use me as well as you have done this time.

Yours truly, E. J. COSTER.

Amount of order for ferns, \$33.60.

Forest Hill, Houston, Tex., Nov. 8, 1912.

Mr. Godfrey Aschmann,

1012 West Ontario St., Phila., Pa.

Dear Sir:—We thank you for the kind attention given our last order for **Palms** (Oct. 11, 1912, amount \$48.60). They came through in first-class shape. We also thank you for the complimentary palm. I herewith enclose draft N. Y. Exchange for \$76.35 for the following order: 30 **Araucarias**, at 40c up to \$1.50; 25 **Azaleas**, etc. We hope to favor you from time to time with further orders.

Yours truly, FORESDALE NURSERIES.

John Boyle, Mgr.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Philadelphia, Pa.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, Rochester, N. Y., Sec'y. Thirty-eight annual convention to be held at Portland, Ore., June, 1913.

GRAND RAPIDS, MICH.—The second annual apple show was held here November 12-16.

WEST GROVE, PA.—Chas. Dingee, founder of the firm of Dingee & Conard Co., is reported critically ill, members of the family having been called to his bedside.

OFFICIAL notice of quarantine against the gypsy and brown-tail moths, effective November 25, has been issued by the United States Department of Agriculture. The gypsy moth has been discovered in Maine, New Hampshire, Massachusetts and Rhode Island and the brown-tail moth in Maine, Vermont, New Hampshire, Massachusetts, Connecticut and Rhode Island. The plants affected are the coniferous or Christmas trees and forest plant products, field grown florists' stock, etc.

Montreal Notes.

R. W. Shephard, one of the best known fruit growers in the province of Quebec, died in the Queens Hotel in this city suddenly. He was known for the high quality of his apples, several barrels of which he sent every year to the king and queen of England.

The Montreal Floral Co. is doing a rushing business and the florists find that the company fills a long felt want. Their stock is complete at all times and is first-class in every respect.

Geo. Robinson has bought a parcel of land at the back river and will devote it entirely to the cultivation of perennials.

Maurice Wolf has shown fine taste in selecting his locality and fitting out his store, and should do a good business.

Wm. C. Hall has begun the erection of his greenhouses at his new place at Montreal west.

L.

Boston Notes.

The trolley express mentioned last week is to be a real thing beginning December 1. The south part of the state has had it for about ten years. The western part is now to have the same advantage. At a meeting at South Framingham, Monday, November 18, in the Board of Trade rooms, the officials of the Boston and Worcester Street Railroad Co. welcomed some of the florists along their route. The rate for flowers is 30 cents a hundred weight, and 30 cents for returning "empties." They agree to take the flowers on board at places most convenient to the greenhouses and leave the empties on the return. Cars are to be in charge of a competent conductor or messenger who will be given orders that the flowers are to be handled carefully. This will be one bright spot on the growers' calendar. An early car will leave South Framingham, and in a short time we may expect to see express trolley cars between Springfield and Boston.

Penn. the florist, had a notable window exhibit recently—bunches of violets were used. Violet plants were in a clump to represent a bed with the figure of a man bent over in the act of picking the flowers from the plants. It was a great advertising scheme, and judging by the crowd around the win-

dow the novelty seemed to attract much attention.

P. Welch is away on a week's business trip.

MAC.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Mention the American Florist when writing

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lvs are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad. :: ::

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

Mention the American Florist when writing

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Poinsettias, strong 3 in. pot plants at \$7.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bougainvillea Glabra Sanderiana, well established bushy 4-in. pot plants, right for forcing, \$15.00 per 100.

THE STORRS & HARRISON CO. - Palmsville, Ohio.

Mrs. Geo. Shawyer

¶ This rose has now been awarded 17 First Class Certificates, and a silver medal, and last week, at Cleveland, secured first prize in the class calling for 25 blooms and also first prize in the 50 bloom class, besides carrying away the sweepstakes over ten classes. Surely, this is enough to establish its value as an exhibition rose. Come and see its productiveness in the greenhouse as a bread and butter rose.

¶ Orders booked for delivery early in the new year at \$30.00 per hundred; \$250.00 per thousand.

CARNATIONS

Commodore. The Improved Victory scarlet.

Northport. Winner of everything in the dark pink classes and the Sweepstakes Cup at Cleveland. "Northport" has received a dozen or more Certificates this fall.

Salmon Beauty and **Enchantress Supreme.** The two salmon colored sports from Enchantress.

All of the above, \$12.00 per hundred; \$100.00 per thousand.

Chrysanthemums

Mrs. G. Lloyd Wigg. Light Yellow.

Gertrude Peers. Fine crimson.

Mrs. G. W. C. Drexel. Incurving pink.

Miss Hazel Deforest. **Mrs. D. F. Roy.** **Clara Banghart.**

All leaders in "Any other color" section.

Chas. H. Totty

Madison, - N. J.

POT PLANTS.

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs. Prices on Application.

Primula Obconica.

In bloom, best Grandiflora and Gigantea strains, a great many dark shades. 4-inch, \$2.00 per dozen. 5-inch, \$3.50 per dozen.

Begonia Glory of Cincinnati.

In bloom, extra fine, strong plants. 5-inch pots, 75c to \$1.00, 6-in., \$1.25 and \$1.50 each.

Cyclamen.

In bloom, extra fine stock, 6-inch pots, 75c each, 7-inch pots, \$1.00 to \$1.50 each.

Christmas and New Cluster Peppers.

4-inch, finely fruited, \$2.00 per doz. 5-inch, \$4.00 to \$5.00 per doz.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine TABLE FERNS, 12 varieties, 2 1/4 inch, \$25.00 per 1000; \$3.00 per 100; 500 at thousand rate; 3-inch, \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.

Pandanus Veitchi.

Fine colored stock.

5-inch.....\$1.00 each; \$9.00 per doz.
6-inch.....1.50 each; 18.00 per doz.
7-inch.....\$2.00 to 2.50 each; 24.00 per doz.

Dracaena Terminalis.

4-inch, fine color.....25c each; \$2.50 per doz.
5-inch, ...50c each; \$5.00 per doz.

Dracaena Massangeana.

Well colored, 6-inch, \$1.25 to \$1.50 each.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.
4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5.00 per dozen. Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 per dozen.

FERNS.

Boston and Whitman Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100
6-inch.....\$0.55 \$7.00 \$50.00
7-inch.....0.75 9.00
8-inch.....1.00 12.00
10-inch.....2.50 30.00
12-inch.....3.50

Cibotium Schiedel.

6-inch.....\$1.50 each

Palms—Areca Lutescens.

7-inch.....\$2.00 each

Ficus Pandurata.

7-inch, 5 feet high.....\$4.50 each

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

Asparagus Plumosus.

4-inch strong.....\$10.00 per 100

Send All Plant Orders Direct to

POEHLMANN BROS. CO., Plant Department,
Morton Grove, Illinois.

Choice Bench Rose Plants.

On account of moving our greenhouses, we offer the following **GRAFTED ROSE PLANTS**, one year old:

3,000 **Bulgarie**, at.....10c
1,000 **Mrs. Ward**, at.....10c
5,000 **Maryland**, at.....5c
1,000 **Richmond**, at.....5c
5,000 **Kaiserin**, at.....10c

The **Kaiserin** are two years old and own root plants.

No less than 500 plants sold at these prices.

THE STOCK IS EXTRA CHOICE.

Bassett & Washburn

OFFICE:

131 N. Wabash Ave., Chicago

GREENHOUSES:

HINSDALE, ILL.

Vaughan's Specials



For years this trademark has stood for the best in Seeds, Bulbs and Plants.

ARAUCARIAS.

Size pots. Height, Whorls, Each, Doz.
4 in. 8-10 in. 2-3.....\$0.50 \$5.50
5 in. 12-14 in. 3-4......75 8.00

Excelsa Glauca.

5 in. 10-12 in. 2-3......75 8.00

Robusta Compacta.

5 in. 12 in. 3-4.....1.25 14.00
7 in. 18 in. 4-5.....2.50

ASPARAGUS.

Each Doz. 100 1000
Hatcheri.....\$0.15 \$1.00 \$7.00 \$65.00
Plumosus Nanus and Sprengeri,
Doz. 100 1000
Seedlings.....\$0.85 \$6.00
2 in. pots.....\$0.50 3.00 25.00
2 1/4 in. pots......60 4.00 35.00

ASPIDISTRAS.

5 and 6 in. pots.
Green-leaved.....10c per leaf
Variegated.....15c per leaf

Begonia Glory of Cincinnati, 4 in. pots, each, 65c; doz., \$6.50; per 100, \$50.00.

Gloire de Lorraine, 5 in. pots in buds, each 85c; dozen \$9.00.

BOXWOOD.

Of all our recent importation we have sold out of all except these sizes.

Prices on Pyramid, Globe and Standard Box include trees planted in nice new green tubs. If wanted out of tubs we allow 10 per cent discount.

Pyramidal Shaped.	Each.	Pair.
2 1/2 ft. high.....	\$2.00	\$3.75
3 ft. high.....	2.50	4.50
3 1/2 ft. high.....	3.50	6.00
4 ft. high.....	4.50	8.00
Globe Shaped.	Each.	Pair.
15 in. high, 15 in. in diameter.....	\$2.25	\$4.00
Standard or Tree Shaped.	Each.	Pair.
18 26 in. stem, 18 in. crown.....	\$3.00	\$5.00

CHICAGO

31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.



ARAUCARIA.

CYCLAMEN, Vaughan's Giant Flowered, 4 in. pots, each, 40c; doz., \$4.00; per 100, \$30.00.

DRACAENAS, Branti, Lindeni, Massangeana, and Terminalis, in the best sizes for floral work. Ask about them.

PALMS. In Kentias, Belmoreana and Forsteriana, Phoenix Canariensis and Roebeleni, we have some excellent stock. Ask for prices on sizes to suit.

FERNS—Extra Choice Stock.

See our advertisement on first page.

Cibotium Schiedel, 7 in.....each, \$2.00 and \$2.50
Maiden Hair (Adiantum Hybridum), 3 in., each, 20c; doz., \$1.75; per 100, \$12.00.

Small Ferns, assorted varieties, our selection, 2 1/4 in., doz., 50c; per 100, \$3.50; per 1000, \$32.50.

PELARGONIUM Mrs. Loyal, 2 1/4 in., doz., \$1.25; per 100, \$8.00.

PRIMULA Malacoides (The Improved Baby Primrose), 2 1/2 in., doz., \$0.75; per 100, \$4.00
3 in., doz., 1.00; per 100, 7.00

NEW YORK

25 Barclay St.

The Early Advertisement Gets There

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.



The Herald NEW SCARLET CARNATION

Winner over all other Scarlet Carnations the Past Two Years.

Winner of first prize, best 100 red, St. Paul, 1912.

Winner of first prize, best 100 red, Cincinnati, 1911.

Winner of first prize, best 100 red, Cleveland, 1912.

The Herald is the Best Commercial Scarlet for you to grow, because it will produce more perfect flowers in a season than any other scarlet and bring a higher price than any other; because the flowers are all perfect; stem stiff and keeps the longest. All rooted cuttings guaranteed strong, well rooted and satisfactory in every respect.

Rooted Cuttings Ready January 1, 1913. Price, \$100 per 1000.

CHICAGO CARNATION CO.

30 East Randolph St.,

CHICAGO, ILL.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora,
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz
D. Witterstaetter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Mention the American Florist when writing

Robert Craig Co...

**High
Class PALMS**

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

FERN S.

Boston, Whitmani and Scholzell
from bench, 10 and 15 cents, now
ready for 5 and 6 inch pots. 5 and
6 inch Boston and Scholzell grown
in pots, 25 and 40 cents.

THE TONG AND WEEKS FLORAL CO., Ashtabula, O.

Mention the American Florist when writing



Boxwoods

This is the season to sell Boxwoods. Give us your order now and get plants that sell on sight.

Square trimmed, 20-in. high, 15 in. diam.....	Ea: \$ 2.50
Globe shaped, 15-18 in. top, 15-18 in. high.....	" 3.00
Standard, 12-in. crown.....	" 1.50
Standard, 15-18 in. crown.....	" 2.50
Standard, 18-21 in. crown.....	" 3.00
Standard, 21-24 in. crown.....	" 4.00
Standard, 24-27 in. crown.....	" 6.00
Standard, 32-34 in. crown, 3-4 ft. stem.....	" 9.00
Standard, 36-38 in. crown, 18-24 in. stem Ea.\$ 9.00	
Standard, 40-42 in. crown, 18-24 in. stem " 10.00	

Above Prices Include Tubs.

For Window Boxes.

Bushes, 8-in.....	\$0.20	Bushes, 18-in.....	\$0.50
Bushes, 12-in.....	.30	Bushes, 24-in.....	.75

Order Today—Tomorrow May Be Too Late.

The Geo. Wittbold Co.,

L. D. Phone, Graceland 1112

737 Buckingham Place,

CHICAGO, ILLINOIS.



—10,000—

Primula Malacoides

MUST BE SOLD

Good stock. 2½-in. pots,

\$2.50 per 100;
\$20.00 per 1000.

BIG BARGAIN.

Act quick.
Cash with order.

F. F. SCHEEL,
Schermerville, Ill.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.50. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

PRIMROSES

	Per 100	Per 1000
Chinensis, Obconica, Alba, Rosea, and Gigantea, 2¼ pots.....at	\$ 1.50	\$12.00

ASPARAGUS

Plumosus, 2¼ pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

Field Plant Cut back.....	5 00
---------------------------	------

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

—WRITE—

GEO. A. KUHL
PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN:

2 foot Elm Bark Canoes.....	Per doz. \$4.00
3 foot.....	6.00
6 in. Birch Bark.....	1.00

Order a few of each size.

CARNATIONS

F. Dorner & Sons Co.,
LaFayette, - - Indiana.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.
Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

Primulas, \$1.50 per 100.

All Stock that Will Please.

All 2-in. pots, Malacoides, Chinese, Forbesi, Obconica Alba, Rosea, Lilac, Rubra, Hybrida, Compacta, Carmine, Blue, Sanguinea, Kewensis.

Double Petunia

10 kinds, 2-in.....\$2.00 per 100

Snapdragons

Giant White, Red, Yellow, Pink, 2-in., \$2.00 per 100

Pansies

Giant varieties.....\$2.50 per 1000

Yellow Daisy, 2½-in.....2c

Flowering Begonias, 6 kinds, 2-in.....1½c

Cash. **BYER BROS.,** Chambersburg, Pa.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne Junc., N. J.

Dreer's Special Values in Araucarias



Araucaria Excelsa.

4-inch pots, 6 to 8 in. high, 2 to 3 tiers.....	\$0.30 each
5-inch pots, 14 to 16 in. high, 3 to 4 tiers.....	.60 each
6-inch pots, 16 to 18 in. high, 4 tiers.....	.75 each
6-inch pots, 18 to 20 in. high, 4 tiers.....	1.00 each
7-inch pots, 20 to 24 in. high, 4 to 5 tiers.....	1.25 each

Araucaria Excelsa Glauca.

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$0.75 each
6-inch pots, 13 to 15 in. high, 3 tiers.....	1.00 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.50 each

Araucaria Excelsa Plumosa.

A splendid variety, almost as compact as Robusta Compacta, and of a richer, deeper color.

5-inch pots, 10 to 12 in. high, 3 tiers.....	\$0.65 each
6-inch pots, 12 to 14 in. high, 3 tiers.....	.75 each
7-inch pots, 16 to 18 in. high, 4 tiers.....	1.00 each

Aspidistra Lurida.

4-inch pots, 6 to 7 leaves.....	\$0.40 each
5-inch pots, 8 to 10 leaves.....	.60 each
6-inch pots, 10 to 12 leaves.....	1.00 each

Aspidistra Lurida Variegata

5-inch pots, 6 to 8 leaves.....	\$0.75 each
---------------------------------	-------------

Hardy English Ivies.

A splendid lot of bushy 4-inch pots, 2½ to 3 ft. high.....\$1.50 per dozen; \$12.00 per 100.

HENRY A. DREER, Inc., - **714 Chestnut St., Philadelphia, Pa.**

The above prices are intended for the trade only.

A FEW GOOD THINGS YOU WANT.

Geraniams, Nutt. Buchner. Ricard. Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, **Newton, N. J.**

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
 Dept. A. F., Springfield, Mass.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Vaughan's Chrysanthemum Stock Plants.

Are Now Ready.

LARGE FLOWERING. Newer Sorts.

Artistic Queen, rose pink.
 Chrysolata, yellow.

Hirondelle, rosy lavender.
 Nontero, pure white.

Each 50c; doz. \$5.00.

Ramapo, yellow.
 White Gloria, white.

STANDARD VARIETIES. Each, 25c; doz. \$2.50; per 100 \$20.00.

Chadwick Supreme, pink.
 December Gem, white.
 Golden Chadwick, yellow.

Mrs. D. Syme, white.
 Marion Newell, deep pink.
 Roman Gold, deep yellow.
 Yellow Eaton, yellow.

Smith's Advance, white.
 Timothy Eaton, white.
 Wm. H. Chadwick, white.

POMPONS. Each 35c; doz. \$3.00.

Aileen, pink.
 Acto, yellow.
 Baby Margaret, white.
 Charlotte, brown.
 Diana, white.

Emo, yellow.
 Julia La Gravera, red.
 Klondike, yellow.
 La Purite, white.
 Magnificus, white.
 Zoda, pink.

Minta, light pink.
 Princeton, brick red.
 Panama, deep red.
 Prince of Wales, white.
 Unceda, yellow.

SINGLE FLOWERING. Each 35c; doz. \$3.00.

Buttercup, yellow.
 Cosmos, deep pink.

Garza, white.
 Lady Lu, white.

Lady Smith, pink.
 Minnesota, blood red.

31-33 W. Randolph St.,
 CHICAGO

VAUGHAN'S SEED STORE

Greenhouses and Nurseries, Western Springs, Ill.

25 Barclay St.
 NEW YORK

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons. Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings....\$3.00 One Hundred rooted cuttings...\$ 12.00
 Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.. 100.00
 Fifty rooted cuttings..... 7.00 Shipments will start in December.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
 BROOKLYN, N. Y.

THIS LIST IS FOR YOUR CONVENIENCE.

You had better get busy and order before extreme cold weather comes.

XMAS PLANTS.

POINSETTIAS.

3 in. pots. Each, 15c 4 in. pots. Each, 25c
Pans, 25c, 35c, 50c, 75c and \$1.00 each.

ARAUCARIA EXCELSA.

	Each	Doz.
4 in., 2 to 3 tiers.....	\$0.50	\$ 6.00
6 in., 2 to 3 tiers.....	.75	9.00
6 in., 4 to 5 tiers.....	1.00	12.00
7 in., 4 to 5 tiers.....	1.50	18.00

PALMS.

ARECA LUTESCENS.

Use *Areca Lutescens* in 3½ in. and 4 in. pots for filling your Christmas baskets. We have a fine lot to offer at 25c. each.

Pots	Each	Doz.	Per 100
3 in., 3 plants in a pot		\$2.00	\$15.00
4 in., 3 plants in a pot		3.00	25.00
6 in.....	\$1.50		

COCOS WEDDELIANA.

2 in.....\$1.75 per doz.; \$14.00 per 100

KENTIA FORSTERIANA.

Leaves	Height	Doz.	Per 100
2 in.....4	8 to 10 in.	\$1.50	\$12.00
3 in.....4 to 5	12 to 14 in.	2.00	15.00
4 in.....4 to 5	14 to 16 in.	4.50	35.00
5 in.....5 to 6	16 to 18 in.	6.00	50.00
		Each	Doz.
5 in. strong...5 to 6	20 to 24 in.	\$0.75	\$ 9.00
7 in.....5 to 6	36 to 38 in.	2.50	
7 in. strong...5 to 6	36 to 40 in.	3.00	
8 in.....5 to 6	40 to 44 in.	5.00	
8 in. strong...6 to 7	46 to 50 in.	7.00	
9 in.....6 to 7	60 in.	8.00	
6 ft.....		9.00	
7 ft. 6 in.....		12.00	

Made-up.

	Each
6 in., 3 in a pot, 18-22 in. high.....	\$1.00 \$ to 1.50
7 in., 3 to 4 in a pot, 24 to 30 in. high.....	2.50
9 in., 3 to 5 in a pot, 50 to 54 in. high.....	8.00
10 in., 4 to 5 in a pot, 58 to 60 in. high.....	10.00
12 in., 4 to 5 in a pot, 62 to 70 in. high.....	15.00
6 ft. 6 in., 4 in a tub.....	18.00
7 ft. 6 in., 4 in a tub.....	25.00

LATANIA BORBONICA.

4 in.....	\$3.00 per doz.; \$20.00 per 100
5 in.....	\$5.00 per doz.
6 in.....	9.00 per doz.

KENTIA BELMOREANA.

Pots	Leaves	Height	Doz.	Per 100
2 in.....	4	8 in.	\$1.50	\$12.00
3 in.....	4 to 5	8 to 10 in.	2.00	15.00
4 in.....	4	12 in.	3.60	30.00
4 in. strong...4 to 5		12 to 15 in.	4.50	35.00
5 in.....	5 to 6	15 to 18 in.	6.00	50.00



KENTIAS—Made-up or single.

Kentia Belmoreana—Continued.

	Each	Doz.
5 in. strong...5 to 6	18 to 20 in.	\$0.75
6 in.....6 to 7	20 to 22 in.	1.00
6 in. strong...6 to 7	22 to 24 in.	1.50
7 in. strong...6 to 7	26 to 28 in.	2.00
7 in. extra...6 to 7	28 to 30 in.	2.50
8 in.....7 to 8	40 to 45 in.	5.50
9 in.....7 to 8	48 to 50 in.	8.00
9 in.....7 to 8	50 to 54 in.	10.00

Made-up.

7 in., 3 in a pot, 28-30 in. high.....\$2.50 each

PHOENIX CANARIENSIS.

Pots	Each	Doz.	Per 100
7 in., 40 to 44 in. high.....		\$ 2.50	
8 in., 46 to 50 in. high.....		4.00	
9 in., 50 to 54 in. high.....		8.00	
10 in., 60 to 64 in. high.....		10.00	

PHOENIX RECLINATA.

	Each	Doz.	Per 100
5 in.....		\$5.00	\$40.00
6 in.....	\$0.75	9.00	
7 in., 24 in. high, 3 in a pot. 1.50			

PHOENIX ROEBELENI.

	Each	Doz.	Per 100
2½ in.....		\$ 2.00	\$15.00
3 in.....		3.00	
6 in.....		12.00	
6 in. strong.....		18.00	
7 in.....	\$4.00		
8 in.....	5.00		

BOSTON FERNS.

Pots	Each	Doz.	Per 100
2 in.....			\$3.00
4 in.....		\$ 1.50	
5 in.....	\$0.25	3.00	
6 in.....	.50	6.00	
7 in.....	.75	9.00	
8 in.....	1.00	12.00	
9 in.....	1.50	18.00	

Larger ones at \$2.00, \$2.50 and up each.

Ferns.

	Per 100
Assorted varieties for dishes.....	\$3.00

MISCELLANEOUS.

ASPARAGUS PLUMOSUS.

2 inch....\$3.00 per 10 3 in....6.00 per 100
4 in....\$1.50 per doz.

ASPARAGUS SPRENGERI, 3 in. \$5.00 per 100

ASPIDISTRAS.

Green, \$0.08 per leaf; Variegated, \$0.15 per leaf

CYCAS REVOLUTA, (Sago Palms.)

Fine plants, 15c, 25c, 35c, 50c, 75c, \$1.00, \$1.50 and \$2.00 each.

FICUS ELASTICA.

	Each	Doz.
4 in.....	\$0.35	\$4.20
6 in.....	.50	6.00
7 in. branching.....	\$0.75 and 1.00	

PANDANUS VEITCHII.

	Each	Doz.	Each	Doz.
4 in.....	\$0.50	\$5.50	6 in.....	\$1.00
5 in.....	.75	9.00		\$12.00

PRIMULA SINENSIS.

4 in.....	Doz. \$1.50	5 in.....	Doz. \$2.00
-----------	-------------	-----------	-------------

The Geo. Wittbold Co., 737 Buckingham Place, Chicago
Phone: Graceland 1112.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES,

Natick, Mass.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.

F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100	Per 100
Spiraea Gladstone.....	\$8.50	Spiraea Superba.....\$ 6.00
Spiraea Florabunda.....	5.00	Spiraea Queen Alexandra.... 10.00

GLADIOLUS FORCING STOCK.

Blushing Bride and The Bride	60c per 100, \$ 5.00 per 1000
Peachblow, delicate pink.....	\$1.00 per 100, 9.00 per 1000
America.....	3.50 per 100, 20.00 per 1000
Mrs. Francis King.....	2.00 per 100, 18.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio

Books For Holiday Gifts.

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. \$1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. \$1.25.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. \$6.00.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

OUTDOORS (McGaffey).—A breezy little book of the woods, fields and marshlands. Interesting to the lover of outdoor sports, the fisherman, hunter or botanist. Readable from cover to cover.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

YARD AND GARDEN (Baker). An excellent book treating on the method of making home gardens attractive. The author covers a wide range of subjects in quite an able manner and the book is full of interest for the amateur gardener; 140 illustrations, 420 pages, \$2.

WINDOW GARDENING.—(Dorner.) An excellent treatise on this interesting subject telling in plain language the best methods of cultivating plants in rooms and windows. The author is a well known and practical grower. Well bound in green cloth, 153 pages and 43 illustrations, \$1.25.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated 250 pages. \$1.00.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. \$2.50.

HEATING AND VENTILATING BUILDINGS (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide \$4.00.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. \$1.25.

HOW TO LAY OUT SUBURBAN HOMES (Kellaway).—Contains many useful hints and practical plans as to improving and laying out suburban homes and grounds. There are 112 pages, 38 half-tone illustrations and 15 plans and maps. \$2.

THE GOLDFISH (Mulerdt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. \$2.00.

THE BOOK OF WATER GARDENING (Bisset).—A most complete and excellent work on this fascinating subject. It is written by a thoroughly competent cultivator and is up-to-date in every particular. It contains 200 pages and 139 fine illustrations and is equally useful to the amateur and professional. \$2.50.

THE ORCHARD AND FRUIT GARDEN (Powell).—One of the most complete works we have seen on this subject for a considerable period. It is divided into three parts, the orchard, the fruit garden and cultural directions. The volume is well illustrated and the author is a practical man who knows his subject. The book contains 321 pages. \$1.50.

THE GARDEN BEAUTIFUL (Robinson). Written in Mr. Robinson's unique style and a most comprehensive and excellent work; a classic in garden literature in fact. All phases of beautiful outdoor gardening are treated upon by this past master in the art. No one having anything to do with park planting, landscape work or arboriculture generally can afford to be without this fine work. English edition, finely printed and illustrated. \$4.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

BEAN CULTURE (Sevey).—An excellent practical treatise on this important crop containing instructions on all phases of culture from seed sowing to harvesting and marketing. Profusely illustrated, 144 pages. 50 cents.

DAFFODILS, NARCISSUS AND HOW TO GROW THEM (A. M. Kirby).—Contains all that is really worth knowing about these most popular of spring bulbs, written from the standpoint of American conditions. Illustrated, 233 pages; post-paid, \$1.21.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

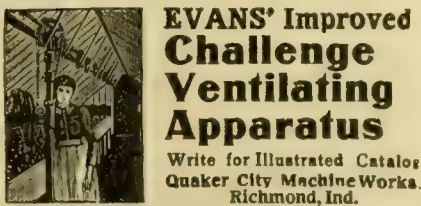
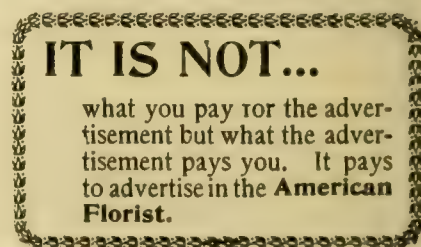
EVERYBODY'S PAINT BOOK (Gardner).—The author has given in this book easily understood instructions for painting anything from a board fence to a fine room and so well is it illustrated that almost every tool a painter needs is shown and described. The perusal of this book will save much money to those who have a bent for this kind of work. It contains 180 pages. \$1.

THE GARDEN MONTH BY MONTH (Sedgwick).—A well classified list of hardy herbaceous and other plants arranged for each month in the year. Water plants, vines, ferns, foliage plants and others all have separate chapters devoted to them and a color chart is an unusual and extremely useful addition to a most carefully compiled and excellent book. Finely illustrated. \$4.30.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

Index to Advertisers.

- Advance Co The.....1132
 Albany Cut Flower Ex.....1103
 Alpha Floral Co.....1105
 American Spawm Co.....1114
 American Wooden
 Ware Mfg Co.....111
 Amling E C Co.....1099
 Anderson S A.....1105
 Andorra Nurseries.....1116
 Angermueller G H.....1100
 Apbine Mfg Co.....1130
 Aschmann Godfrey.....1115
 Atlanta Floral Co.....1106
 Auburndale Gold
 Fish Co.....1090
 Austin H.....1104
 Bader Jno & Co.....1112
 Badgley Reidel &
 Meyer, Inc.....1103
 Barrows H H & Son.....1112
 Bassett & Washburn
 1092 1118
 Bayersdorfer H.....1132
 Beaven E A.....1104
 Benard G.....1116
 Berger Bros.....1100
 Berning H G.....1100
 Berterman Bros Co.....1106
 Black Chas.....1112
 Bobbink & Atkins.....1116
 Boddington A T.....1112
 Bodger J & Sons Co.....1113
 Boland J B Co.....1105
 Bolgiano J & Sons.....1113
 Bowe M A.....1107
 Braslan Seed Grow
 Co.....1110
 Breitmeyer's Sons.....1106
 Brown Alfred J Seed
 Co.....1110
 Brown Bag Filling
 Machine Co.....1111
 Bruns H N.....1111
 Buchbinder Bros.....1129
 Buckbee H W.....1103
 Budlong J A.....1092 1098 1099
 Burpee W A & Co.....1111
 Byer Bros.....1120
 Caldwell the Woods-
 man Co.....1104
 California Seed Grow
 Assn.....1110
 Camp Conduit Co.....111
 Chattahoochee Flo Co.....1104
 Chicago Carn Co.....1119
 Chicago Flower
 Growers Assn.....1096
 Chicago House
 Wrecking Co.....1132
 Clark E B Seed Co.....1113
 Clark's Sons David.....1107
 Cleveland Cut
 Flower Co.....1107
 Conard & Jones.....1122
 Cooke Geo H.....1105
 Cotsonas Geo & Co.....1104
 Cowee W J.....1129
 Coy H C Seed Co.....1112
 Craig Robt Co.....1119
 Critchell C E.....1101
 Cross Eli.....1119
 Crump Frank F.....1106
 Cunningham Jos H.....1120
 Dailldeouze Bros.....1121
 Daniels & Fisher.....1107
 Dards Chas.....1106
 Day.....1104
 Deamud J B Co.....1095
 Detroit Flower Pot
 Mty.....111
 Dietsch A & Co.....111
 Diller Caskey &
 Keen.....1132
 Dillon J L.....1112
 Dingee & Conard Co.....1122
 Dorner F & Sons.....1120
 Dreer H A.....1121 1132
 Duerr Chas A.....1108
 Dunlop John H.....1107
 Dwelle - Kaiser Co
 The.....1130
 Edwards Folding
 Box.....1124
 Emmans Geo M.....1121
 Elk Galax & Fern
 Co.....1104
 Erie Floral Co.....1
 Erne & Klingel.....1098
 Esperance L Nurs.....1116
 Eubank L J.....1104
 Ever Ready Flower
 Pot Cover Co.....1690
 Eyres H G.....1107
 Fish Henry Seed Co.....1113
 Florists' Hail Assn.....1132
 Foley Mfg Co.....1104
 Fottler, Fiske,
 Rawson Co.....11
 Franklin Plant Farm.....1114
 Fraser Samuel.....1116
 Freeman Mrs J B.....1108
 Freeman & Sons S.....1131
 Freres D E.....1094
 Froment H E.....1103
 Galvin Thos F.....1107
 Garland G M.....1131
 Gasser J M Co.....1107
 Geny Bros.....1108
 Gibling & Co.....1130
 Godineau R & M.....1112
 Gorham & Chapline.....1131
 Grand Rapids
 Flower Co.....1107
 Gude Bros.....1106
 Gutman Alex J.....1103
 Hart Geo B.....1103
 Hatcher, Florist.....1108
 Haven Seed Co The.....1112
 Heacock Jos Co.....1109
 Heint John & Son.....1105
 Henderson A & Co.....1090
 Herr Albert M.....1120
 Herrmann A.....1129
 Hesse & Swoboda.....1106
 Hesse & Co.....1113
 Hews A H & Co.....111
 Hilfinger Bros.....111
 Hines E Lumber Co.....1132
 Hoeckner L.....1098
 Hoerber Bros.....1098
 Hoffman Flo Artist.....1107
 Hoffmeister Flo Co.....1101
 Holm & Olson.....1106
 Holton & Hunkel Co.....1100
 Home Cor School.....1121
 Hooker H M Co.....1131
 Hurff Edgar F.....1112
 Igoe Bros.....1124
 Illinois Pipe Mfg Co.....1131
 Isbell S M & Co.....111
 Jackson & Perkins.....1116
 Jacobs S & Sons.....1131
 Johnson J Oliver.....1113
 Johnson WW & Son.....111
 Jones Percy.....1092
 Kasting W F Co.....1101
 Keller Geo & Sons.....111
 Keller JB & Sons.....1108
 Kellogg Geo M.....1105
 Kennicott Bros.....1098
 Ky Tobacco Product
 Co.....1130
 Kervan Co The.....1103
 Kessler W A.....1103
 Kift Robt.....1107
 Kimball O A Co.....1104
 King Construct Co.....1131
 Kohr A F.....111
 Kramer I N & Son.....1131
 Kroeschell Bros Co.....1129
 Kruchten John.....1097
 Kuehn C A.....1100
 Kuhl Geo A.....1120
 Kyle & Foerster.....1099
 LaCrosse Floral Co.....1105
 Lager & Hurrell.....1
 Lange A.....1105
 Landreth Seed Co.....111
 Lecakes N L & Co.....1103
 Lederer.....1128
 Leedle Floral Co.....1112
 Leleche Emil.....1101
 Leonard Seed Co.....1111
 Lord & Burnham Co.....1129
 McCallum Co.....1101
 McConnell Alex.....1105
 McCoy L W.....1108
 McCullough's J M
 Sons Co.....1101
 McHutchinson & Co.....1113
 McKellar Chas W.....1099
 McKenna P & Son.....1107
 Mangel.....1105
 Matthews Florist.....1107
 May & Co L L.....1105
 Meconi Paul.....1103
 Mette Henry.....1114
 Meyer John C & Co.....1104
 Michigan Cut Flower
 Exchange.....1104
 Miller E S.....1112
 Moninger J C Co.....1101
 Montreal Floral Ex.....1101
 Moore, Hentz &
 Nash.....1103
 Morehead Mfg Co.....1132
 Mt Gilead Pottery
 Co.....111
 Munk Floral Co.....1100
 Murray Samuel.....1106
 Murphy C C.....1113
 Myers Florist.....1108
 Nat Flo B of Trade.....1132
 N Y Cut Flower Ex.....1103
 Niessen Leo Co.....1101
 Northern Michigan
 Evergreen Nurs.....1104
 Oechslin Frank.....1112
 Oklahoma Seed Gro
 Co.....1113
 Palethorpe P R Co.....111
 Palmer W J & Son.....1106
 Park Floral Co.....1106
 Peacock Dahlia Fms.....1120
 Pedrick Geo & Son.....1112
 Pennock-Meehan Co.....1103
 Penn the Florist.....1106
 Peters & Reed Poty III
 Peterson & Sons, J A I
 Pierce F O Co.....1130
 Pierson A N (Inc).....1119
 Pierson F R Co.....1111
 Pieters & Wheeler
 Seed Co.....1110
 Pillsbury I L.....1124
 Pinkston Jas E.....1104
 Pittsburgh Cut Flo Co.....1101
 Podesta & Baldocchi.....1107
 Poehlmann Bros Co
 1093 1118
 Pollworth C C Co
 1100 1107
 Pulverized Manure
 Co.....1130
 Purnell W Z.....1104
 Quaker City Machine
 Works.....1124
 Raedlein Basket Co.....1096
 Randall A L Co.....1099
 Rawlings Elmer.....1120
 Ready Reference.....1125
 Randolph & Mc-
 Clements.....1132
 Reed & Keller.....1132
 Regan Ptg House.....1131
 Reid Edw.....1100
 Reinberg Geo.....1099
 Reinberg Peter.....1095
 Reuter Chris.....1112
 Rice Bros.....1100
 Rice & Co. M.....1104
 Robinson J C Seed Co.....1113
 Rock W L Co.....1106
 Rohnert Seed Co.....1113
 Rossi Angelo J.....1108
 Rutzahn Seed Co.....1112
 Rusch G & Co.....1100
 Saakes O C.....1107
 Saltford Flower Shop.....1106
 Scheel F F.....1120
 Schilder Bros.....1112
 Schiller, the Florist.....1108
 Schillo Adam.....1124
 Schlatter W & Son.....1124
 Schling Max.....1108
 Schmidt J C.....1120
 Schulz Jacob.....1106
 Scott John.....1113
 Seattle Cut Flo Ex.....1101
 Shaffer Geo C.....1107
 Sharp Partridge & Co.....1129
 Sheridan W F.....1103
 Situation & Wants.....1089
 Skidelsky S S & Co.....11
 Smith A W & Co.....1107
 Smith E D & Co.....1130
 Smith & Hemenway.....1128
 Smith Henry.....1107
 Smith Wm C.....1100
 Smith W & T Co.....11
 Stearns Lumber Co.....1131
 Stoothoff H A Co.....1130
 Storrs & Harrison.....1116 1122
 Superior Machine
 & Boiler Works.....1129
 Syracuse Pottery Co.....111
 Taylor Steam Trap
 Co.....1131
 Texas Seed & Flower
 Co.....1105
 Thoms'n Wm & Sons.....1130
 Thompson Car Co.....1121
 Thorburn J M & Co.....1113
 Tong & Weeks.....1119
 Totty Chas H.....1117
 Trimble W E
 Greenhouse Co.....1059
 Uecker Chas F.....1104
 Valentine Frank.....1105
 Vaughan A L & Co.....1097
 Vaughan's Seed Store
 I II III 1109 1112 1113
 1114 1118 1121 1132
 Vestals.....1108
 Vick's Sons Jas.....1111
 Vincent R Jr.....1114
 Virgin U J.....1108
 Waban Rose Cons.....1122
 Wagner Park Cons.....111
 Walker F A & Co.....1108
 Ward & Co. R M.....11
 Weeber & Don.....1112
 Weiland & Risch.....1099
 Welch Bros.....1101
 Western Seed &
 Irrigation Co.....1111
 Wieter Bros.....1094 1099
 Wilks S Mfg Co.....1128
 Williams Mrs E A.....1108
 Wilson R G.....1105
 Winandy M & Co.....1124
 Windler Wholesale
 Florist Co.....1100
 Wittbold G Co.....1105 1120 1122
 Wittbold Henry.....1099
 Wolfskill Bros &
 Morris Goldenson.....1107
 Wood Bros.....1113
 Yokohama Nurs Co.....1111
 Young & Nugent.....1105
 Zech & Mann.....1099
 Ziska Jos.....1090



Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc. Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO. L.D. Phones: Lincoln 410 and 411

M. WINANDY CO., Mrs.

Greenhouse builders and manufacturers of WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St., CHICAGO Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 2 to 3 tiers, 75c each; \$9 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices, see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

Azalea mollis, full of buds, 50c each; \$5.50 per doz.; \$36 per 100. Vaughan's Seed Store, Chicago and New York.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Lorraine, 4-in., 30c; 5-in., 40c to 50c; 6-in., 75c to \$1 each. Glory of Cincinnati, 3-in., 25c; 4-in., 35c; 5-in., 60c to 75c; 6-in., \$1 to \$1.25 each; fine clean plants in bud. ROBER & RADKE, Maywood, Ill.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Gloire de Lorraine, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

Begonia Glory of Cincinnati, in bloom, 5-in., 75c to \$1; 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonias, flowering, 6 kinds, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

BOUVARDIAS.

Bouvardia, R. and white, 2-in., \$3 per 100. Henry Smith, Grand Rapids, Mich.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, single named hyacinths, 2nd size, \$4 per 100; 1st size, \$5; Exhibition size, \$5.50; unnamed separate colors, \$2. James Vick's Sons, Rochester, N. Y.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Lilium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, Burnett Bros., 72 Cortlandt St., New York.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spireas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; or \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIEBTOE BROS.,

162 N. Wabash Ave., Chicago.

FIELD-GROWN CARNATION PLANTS.

Clean, well grown and healthy.

ORDER NOW.

	Per 100	Per 1,000
White Enchantress	\$6.00	\$50.00
Enchantress	6.00	50.00
C. W. Ward	6.00	50.00
Pink Delight	6.00	50.00

F. F. SCHEEL,

Shermerville, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Daillouze Bros., Lenox road and Troy Ave., Brooklyn, N. Y.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Commodore, Northport, Salmon Queen, Enchantress Supreme, Chas. H. Totty, Madison, N. J.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, Halliday, Touset, Enguehard, Golden Age, Shaw, Ivory, 3c each; \$2.50 per 100. C. C. Murphy, Sta. F., Cincinnati, O.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CHRYSANTHEMUMS, STOCK PLANTS.

From Prize Winning Stock.
WHITE.

December Gem, late.....	\$4.00
Peacock, early.....	5.00
Auroba.....	5.00
Venetia.....	4.00
White Frick, late.....	5.00
Smith's Advance.....	4.00
Early Snow.....	4.00
Pres. Taft.....	4.00
Lynwood Hall.....	4.00
White Jones.....	4.00
White Chadwick Improved.....	6.00
Timothy Eaton.....	4.00
Elsie Papworth.....	4.00
Alice Byron.....	4.00

YELLOW.

A. F. Felton, late med.....	\$6.00
Golden Glow.....	4.00
Donatella, early.....	8.00
Col. Appleton.....	4.00
Golden Wedding.....	4.00
Chrysolora.....	10.00
Bonaillon, yellow.....	4.00
Yellow Jones.....	4.00
Nagoya.....	4.00

PINK.

Maud Dean, late.....	\$4.00
Dr. Enguehard.....	4.00
Gloria.....	4.00
Unaka.....	4.00
Balfour.....	4.00
Rosier.....	4.00
Pacific Supreme.....	4.00
Major Weaver, medium.....	5.00
Helen Frick, late.....	5.00

BRONZE COLORS.

Glenview, medium early.....	\$6.00
Reginald Vallis, medium.....	6.00
Pocket Surprise, medium.....	6.00

C. C. POLLWORTH CO., Wis.

Chrysanthemums, stock plants: Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTEMUMS—Crocus, \$1.50 per doz.; \$9 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonaillon, Golden Wedding, Tousey and Halliday, \$4 per 100. Otto J. Hembreiker, Lincoln, Ill.

Chrysanthemums, stock plants. Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Wells-Pocket novelties, also list of novelty singles, such as Josephine, Jean Edwards, etc., etc. Chas. H. Totty, Madison, N. J.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Stock plants in all desirable varieties cheap. Write C. C. Pollworth Co., Milwaukee, Wis.

Chrysanthemums. Eli Cross, Grand Rapids, Mich.

CINERARIAS.

Cineraria hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM, best English and German strain, 3-in., 8c; 4-in., 12c-15c; 4½-in., 20c-25c; 5-in., 35c-50c; 6-in., 60c-75c. Good strong, healthy plants, well budded. Larger sizes partly in bloom. August seedlings, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bud and bloom, \$3, \$6, \$9, \$12 and \$18 per doz. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Cyclamen, in bloom, 6-in., 75c to \$1 each; 7-in., \$1 to \$1.50 each. Pochlmann Bros. Co., Morton Grove, Ill.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Sanderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2.50 per 100. Elmer Rawlings, Olean, N. Y.

Yellow daisy, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

DRACAENAS.

Dracaenas, Bruntli, Linden, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Pochlmann Bros. Co., Morton Grove, Ill.

Dracena massangeana, 6-in., \$1.25 to \$1.50 each. Pochlmann Bros. Co., Morton Grove, Ill.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, 8-in., 70 to 80 branches, 30c each; \$3 per doz.; \$20 per 100; 6-in., 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

When you run short of green, you wish that you had planted some of the SPIREA FERNS which grow most anywhere, always clean and make lots of fronds, Winter and Summer, \$2.50 per 100; sample, 10c; larger, 15c. F. A. Haenselman, Boulder, Colo.

Ferns. Boston, Whitman, Scholze; from bench 10c and 15c; 5 and 6-in. Boston and Scholze, grown in pots, 25c and 40c. The Tong & Weeks Floral Co., Ashtabula, O.

Ferns, Adiantum Croweanum, 4-in., \$15 per 100. Adiantum Hybridum, 5-in., \$25 per 100. Adiantum Cuneatum, 4-in., \$10 per 100. Cibotium Schiede, 6-in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

FERNS.—Extra heavy Boston, 4-in. pots, \$2 per doz.; \$15 per 100. Selaginella (Moss Fern), 2½-in., fine and bushy, \$3 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Pochlmann Bros. Co., Morton Grove, Ill.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 4-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., branching, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c, 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Pochlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, 2-inch, Rosclair, Nutt, Dagata, Ricard, Red Wing, Viald, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Erenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poltevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

ROOTED GERANIUM CUTTINGS—To make room I offer for a short time 19,000 S. A. Nutt, \$12.50 per 1,000 or \$100 for the lot; 2½-in. S. A. Nutt, \$18.50 per 1,000. Otto J. Hembreiker, Lincoln, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings. Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

MME. SALLEROL, 2-in., \$2 per 100; \$18 per 1,000. ROBER & RADKE, Maywood, Ill.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, holly, \$3 per case. Green sheet moss, \$1.25 per bbl. Laurel branches, \$2.50 per case. Laurel stems, \$1 per bag. W. Z. Funnell, Snow Hill, Md.

Greens, Bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Arbor-Vite clippings, 5 to 12 in. long, case 18x18 ins. x 4 ft., \$2. White pine clippings, 5 to 12 ins. long, cases, 18 x 18 ins. x 4 ft., \$2. Chas. F. Lecke, New London, Wis.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Mistletoe, Silliman's every sprig berried brand. Now booking orders. December shipment. A. B. Silliman & Co., Boone, Iowa.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, holly, bouquet green, immortelles. Write for prices: A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Desert holly, crates 2x2x2½ ft., f. o. b., Armargosa, \$5. Sample, 50c and \$1. The O. A. Kimball Co., Goldfield, Nevada.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-inch holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Iron Mountain Galax, green and bronze, 50c per 1,000; \$4 per 10,000. Cash with order. J. R. Cox, Grant, Va.

Bouquet greens, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Holly. T. E. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas, imported pot-grown stock, 6 to 7-in. pots. Avalanche, Mme. Emile Mouilliere, Mme. Maurice Hamar, 3-4 flowering shoots, 75c each; \$8 per doz. Otaksa, 3-4 shoots, 40c each; \$5 per doz.; \$40 per 100; 5-6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mme. Chantard, 3-4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pot. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Chaire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, pot-grown, 5½, 6, and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 2½ and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

LILY OF THE VALLEY.**To Import**

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Berlin valley pips, from New York cold storage, 2,000 per case, \$15 per 1,000. McHutchison & Co., 17 Murray St., New York.

From Storage.

Valley for Christmas. Brun's Celebrated Chicago Market are the finest cold storage valley, \$2 per 100; \$18 per 1,000. Florists' Money Maker, \$1.80 per 100; \$16 per 1,000. New stock now ready. Best valley for early forcing, \$16 per 1,000. H. N. Bruns, 3032-42 W. Madison St., Chicago.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

MANETTI.

Manetti stocks. We can spare about 100,000 good, strong manetti stocks, 30 shillings per 1,000. Cutting briar stocks, 30 shillings per 1,000. S. Bide & Sons, Ltd., Farnham, England.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn. Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Evergreen plants. For varieties and prices see advertisement elsewhere in this issue. Wagner Park Conservatories, Sidney, O.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms in all sizes, from 4-in. to 12-in. tubs. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. Areca leutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

PANSIES.

Pansies, giant vars., \$2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums. Mrs. Loyal, 2½-in., \$1.25 per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies, 25 acres for plant and cut flower purposes; if interested write. Gilbert H. Wild, Sarcoxie, Mo.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Christmas and New Cluster, 4-in., \$2 per doz.; 5-in., \$3 to \$4 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, double, 10 kinds, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in., 8c; 4-in., 12c to 15c; 5-in., made-up pans, 35c to 50c; 6-in., made-up, 75c. Rober & Radke, Maywood, Ill.

Poinsettias, 3-in. pots, 15c each; 4-in., 25c; pans, 25c, 35c, 50c, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Poinsettias, 2½ and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 3-in., \$7 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primulas, 2-in., Malacoides, Chinese, Forbesii Obconica alba, rosea, lilac, rubra, hybrida, compacta, carmine, blue, Sanguinea, Kewensis. Byer Bros., Chambersburg, Pa.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Sinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula obconica, in bloom, 4-in., \$2 per doz.; 5-in., \$3.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primula malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, Obconica alba, rosea, Kermesina, gigantea, 2½-in. pots, \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, Ohio.

Primula Malacoides, 2½-in., \$2.50 per 100; \$20 per 1,000. F. F. Scheel, Schermerville, Ill.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Abutilon Savitzii; Acalypha Macafeana; Achyranthus Emersoni; ageratum, blue and white, 5 sorts; alternantheras, 6 sorts; Begonia Vernon, pink; Coleus, Golden Bedder, Verschaffelti, etc.; fuchsias; hardy English ivy; heliotrope; lantana; lemon Verbena; moonvines, white and blue; Salvia Bonfire, Zurich; Swainsona alba, rosea, rooted cuttings, 60c per 100; \$5 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

ROSES.

Roses, dormant field-grown stock. Crimson Baby, 2-year, 20c each; \$2 per doz.; \$14 per 100; 3-year, 25c each; \$2.50 per doz.; \$16 per 100. Jessie, 2-year, 25c each; \$2.50 per doz.; \$18 per 100; 3-year, 30c each; \$3 per doz., \$20 per 100. Orleans, 2-year, 30c each; \$3 per doz.; \$30 per 100. Phyllis, 2-year, 20c each; \$2 per doz.; \$16 per 100; 3-year, 25c each; \$2.50 per doz.; \$18 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Sawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses, Mrs. Geo. Sawyer, Chas. H. Totty, Madison, N. J.

Roses, bench plants, grafted 1-year-old, 3,000 Bulgaria, 10c. 1,000 Mrs. Ward, 10c. 5,000 My Maryland, 5c. 1,000 Richmond, 5c. 5,000 Kaiserin, 2-year-old, own roots, 10c. Bassett & Washburn, 131 N. Wabash Ave., Chicago.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$250 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

Roses, hybrid perpetual and Ramblers, strong forcing stock for florists. Orders for fall delivery booking now. Jackson & Perkins Co., Newark, N. Y.

Erna Teschenhoff, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Rose Lady Hillington, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.	\$2.50	\$0.50
Begonia Gracilis luminosa, finest red	2.50	.50
Begonia Triumph, finest white.....	2.50	.50
O. V. Zangen,		Hoboken, N. J.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, plox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Fancies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brazilian Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax, 2-in., \$1.50 per 100. Henry Smith, Grand Rapids, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SNAPDRAGON.

Snappdragons, giant white, red, yellow and pink, 2-in., \$2 per 100. Byer Bros., Chambersburg, Pa.

STEVIA.

Stevia, 6-in. pots, strong, \$2 per doz. Henry Smith, Grand Rapids, Mich.

VEGETABLE PLANTS.

Vegetable plants, cabbage: see varieties, Early Jersey Wakefield, Charleston Wakefield, Succession, Louisville and Drum Head, Large Late Flat Dutch, Lettuce: Big Boston, Giant White Forcing, Tennis Ball, Grand Rapids, etc., 1,000 to 4,000 lots, \$1.15 per 1,000; 5,000 to 10,000 lots, 90c per 1,000. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

Rhubarb, Victoria and Linnaeus, strong divisions, 4c; \$25 per 1,000. Mosbæk Greenhouse Co., Onarga, Ill.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

A "RED DEVIL" PLIER ESPECIALLY FOR YOU.

'Red Devil' No. 622

(We make "Red Devil" Glass Cutters. The kind you want.)

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MI-CELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Nicotide Bug Killer. P. R. Palethorpe Co., Clarksville, Tenn.

Florists' supplies and wire designs. Joseph Ziska, 151-153 N. Wabash Ave., Chicago.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100. 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100. 60c; per 1,000. \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.

Ameling Co., E. C., Chicago.

Angermuehler, Geo. H., St. Louis, Mo.

Badgley, Reidel & Meyer, Inc., New York.

Barrett & Washburn, Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

A little 4 inch drop forged steel tool that is far superior to a shears for cutting bouquet wires or any fine wire. It is tested to cut the finest silk insulation and is a plier you will appreciate. Its just one "Red Devil" tool you should have. Ask your hardware man for "Red Devil" No. 622, 4 inch. He has or will get it for you. If not send us his name and fifty cents and one only sample pair will be sent you postpaid.

Smith & Hemenway Co., 125 Chambers St., New York, U. S. A.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

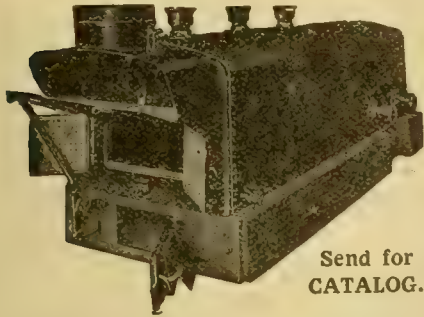
S. WILKS MFG. CO.,
3503 Shields Ave. CHICAG

Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critchell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Domoto Bros., San Francisco, Calif.
Freres, D. E., Chicago.
Froment, H. E., New York.
Guttman, Alexander J., Inc., New York.
Hart, Geo. B., Rochester, N. Y.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennelott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kruellen, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Lecakes & Co., New York.
McCallum Co., Pittsburgh, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Mcconl, Paul, New York.
Montreal Floral Exchange, Ltd., Montreal, P. Q.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Poehlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reid, Edward, Philadelphia, Pa.
Seattle Cut Flower Exchange, Seattle, Wash.
Sheridan, W. F., New York.
Smith, Wm. C., St. Louis, Mo.
Thompson Carnation Co., J. D., Joliet, Ill.
Tonner, O. A., Chicago.
Totty, Chas. H., Madison, N. J.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wieler Bros., Chicago.
Winder Wholesale Floral Co., St. Louis.
Witthold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

The KROESCHELL BOILER

Was installed to heat over ten million (10,788,000) square feet of glass during the past five years.



Send for
CATALOG.

The Kroeschell Boiler

Will give you more heat with the same piping required by other boilers, and with less fuel.

Kroeschell Bros Co.,
452 W. Erie Street,
CHICAGO.

Preserve Cut Flowers in

BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.
518 Milwaukee Ave., CHICAGO, ILL.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880
22nd and Lumber St. CHICAGO

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
Sample free. For sale by dealers.



Mr. Felthousen of Syracuse Gives his Frank Opinion about Lord & Burnham Houses.

ALTHOUGH your estimate for material was not as low as some I received, the fact that everything comes in such A1 shape, ready for constructing, makes your house worth more, and is a saving in labor in putting it together.

I liked the first house so well that I gave you the contract for material for the second house.

For strength, durability and conditions of growing, am well satisfied with the Lord & Burnham house and would willingly recommend it to anybody who wants a strictly up-to-date house for growing any kind of stock.

E. V. B. Felthousen

Lord & Burnham Company

SALES OFFICES:

New York
St. James Building
Boston
Tremont Building

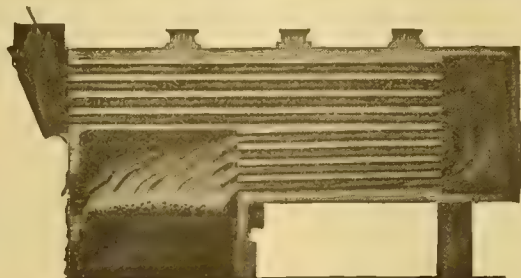
Philadelphia
Franklin Bank Building
Chicago
Rookery Building

FACTORIES:

Irvington, N. Y.
Des Plaines, Ill.

"SUPERIOR"

Hot Water Boilers for Greenhouse Heating.



Made in 9 Sizes.

Superior Machine & Boiler Works
846-848 W. Superior St., CHICAGO, ILL.

Tobacco Paper "Nico-Fume" LIQUID

IS THE
STRONGEST
BEST PACKED
EASIEST APPLIED

24 sheets.....	\$ 0.75
144 sheets.....	3.50
288 sheets.....	6.50
1728 sheets.....	35.10

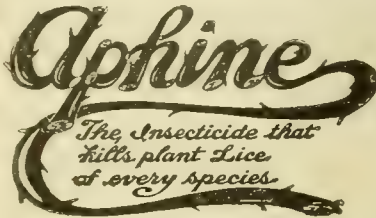
Furnishes the
Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE

By far the
CHEAPEST
JUST NOTE PRICES

Pint	\$ 1.50
1/2 Gallon.....	5.50
Gallon	10.50
5 Gallons.....	47.25



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Does not stain the foliage.
75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.



Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing



Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30 years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure, An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write for our special offer to the American trade. Agents' circulars, pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards, Clovenfords, Scotland.

The
Fumigating
Kind
Tobacco
Powder

A
Success
For
30 Years

Kills
Aphis
\$3.00
The 100 lb.
Bag

The H. A. Stoothoff, Co.
Mount Vernon, N.Y.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:
80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

PULVERIZED OR SHREDDED

Cattle Manure

The best of all manures for Roses. Clean, convenient and economical for top-dressing and mulching. Unequalled for potting soil.



PULVERIZED

Sheep Manure

There is a reason why Wizard Brand Sheep Manure is more extensively used by Florists than any other:—Best for Carnations and Chrysanthemums—Best for making bench soil—liquid manuring and field work. Ask for our Growers' Booklet and know why Wizard Brand leads.

The
Pulverized Manure Co.,
32 Union Stock Yards,
CHICAGO.

Mention the American Florist when writing

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-Five pounds, \$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

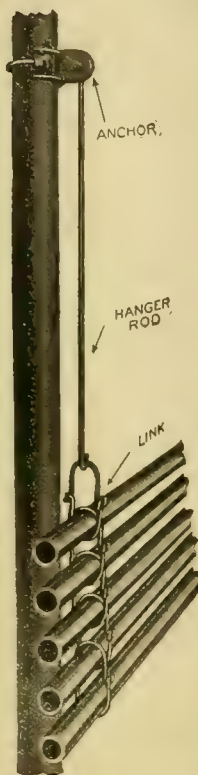
An Improved Pipe Hanger.

Allows for expansion of individual pipe as well as the whole coil.

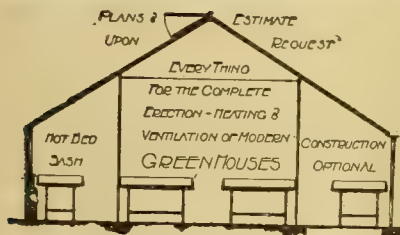
Write for Prices.

King Construction Company,
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway,
BOSTON: 410 Winthrop Building.



GREENHOUSES.
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET LONGER.
THE J. T. STEARNS LUMBER CO.,
NEWTONSET, BOSTON, MASS.



S. JACOBS & SONS
1361-1383 Flushing Av., Brooklyn, N. Y.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, \$1.00 per dozen by express. Sample dozen by mail, \$1.25.

J. N. KRAMER & SON, Cedar Rapids, Ia.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

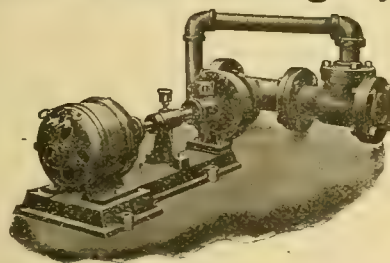
Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,
Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Mr. Retailer.

Did you see our ad last week? Better look at it. A complete iron frame greenhouse for \$400.00. Just think of it. This offer cannot be beat. Let us show you what we have to offer, then judge for yourself.

Do not delay but write at once.

GEO. M. GARLAND CO.

Lock Box S.

DES PLAINES, ILL.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

—OUR SPECIALTY—

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

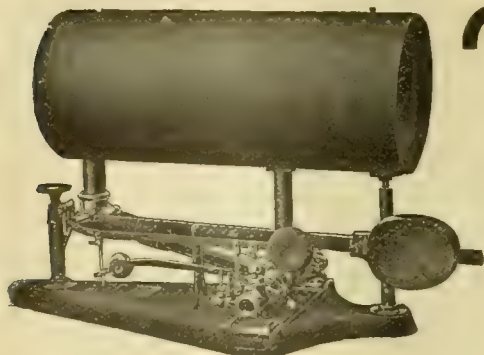
PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price\$4.90
4C12003, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Droppings
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing



MONEY IN YOUR POCKET

when you buy the

Advance Ventilating Apparatus.

Our equipment is perfect in every detail, and has never failed to please even the most critical. We can please you, too. So send in your orders. We assure you of prompt attention.

Do not forget our **Complete Line of Fittings**. We use only the best of materials and guarantee satisfaction.

Get Our New Catalogue.

ADVANCE CO.,

Richmond, Ind.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN.

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

**VENTILATING
APPARATUS**

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

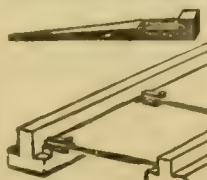
Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing



Siebert's Zinc Glazing Points.

Good for small or
large glass, do not rust,
easy to drive ¾ and 1
inch Per lb. 40c. 5-lbs.
\$1.85. 20-lbs. \$7.00
**Vaughan's
Seed Store,**
Chicago. New York.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.

The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

**FULL
SIZE
No. 2**

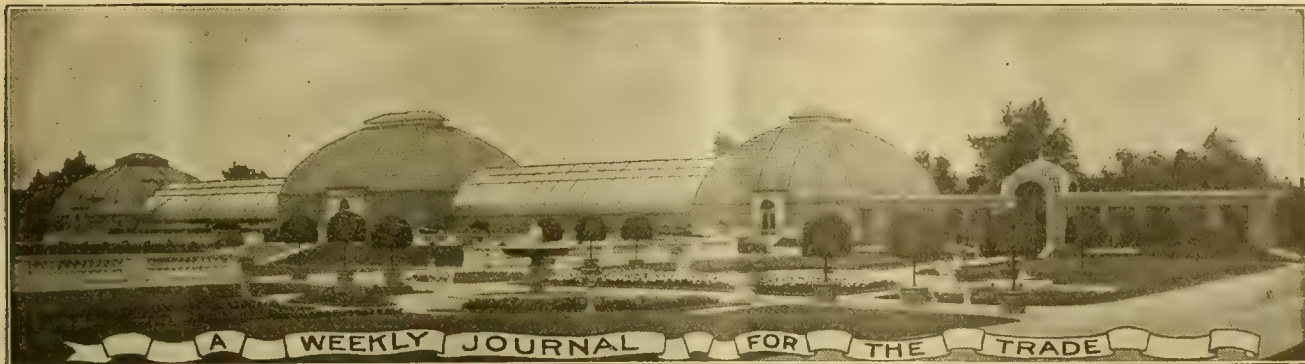
SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass shipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, ¾ and
1 inch. 40c per lb. by mail 10c extra; 7 lbs. for \$2.50;
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, DECEMBER 7, 1912.

No. 1279

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.
Long Distance Phone: Harrison 7465.
Registered Cable Address: Ameflo, Chicago.
Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Christmas Plants.

The advance in almost everything in the flower business has been really wonderful, but perhaps in no particular has this been more marked than in the production of blooming plants for the Christmas trade, and this has created such a demand that the improvement in quality and variety in the last decade is almost phenomenal. One does not have to look back many years when there was but a limited selection of plants at this season and the specimens grown were very inferior to those that are placed before the customer today. *Primula sinensis* was the stand-by, with a strain of cyclamen that would have only two or three flowers at the most, *Begonia incarnata*, and geraniums bearing flowers enough to give a bright color to the plant. Later the forcing of *Duc von Thol* tulips became quite an art to have presentable plants for the holidays. In looking over the beautiful collection of flowering plants now produced at this time of the year, one can but think with what difficulties the grower of a generation ago contended, and how limited the retailer was in his offerings to the trade.

Poinsettias.

The largest demand at Christmas for all decorative materials is, of course, in the bright red and the poinsettia with its scarlet bracts, often wrongfully called flowers, is particularly the plant grown for the holiday trade. It blooms at just this season and there is but little sale for it at any other time of the year, so it can practically be called the Christmas plant. When well grown either singly or with from four to six plants in a pot or pan, it is strikingly decorative and produces an effect which is equalled by no other plant. It, however, does not adapt itself to house culture, and lasts but a short time in the dwellings, the leaves dropping off, leaving the stem bare. So it is far better for the salesman to fully impress upon the customers that they are getting full value in having a plant of this color and size for a few days

of the holiday season and hold out no inducements for future growth or long lasting qualities. These plants frequently lose many of their lower leaves with growers and where this happens if the pot is filled with small nephrolepis or other ferns the bare stems can be concealed and a very decorative plant produced. The decorating of these plants should be in red and of a shade that will harmonize with the color of the bracts, the Porto Rican matting or the waterproof crepe paper make fine pot coverings, and ribbon of proper shade passed through the foliage and tied with a handsome bow are nice decorative features.

Azaleas.

There are few plants which the florist handles that make so much showing for the price demanded or give so much satisfaction to the customer as the azaleas. The varieties most grown for the holiday trade are *Simon Mardner*, dark pink, invariably a nicely formed plant, full of flowers with plenty of foliage. This variety is probably the best for the holiday trade. *Vervaneana* is a bright rose with a white margin, the flower being frequently blotched and striped. The blooms are much larger than *Simon Mardner* and not so double, but the plant is not so shapely. *Deutsche Perle* is the white grown for early flowering, and is very popular, but the demand for white at this season is not so good as for those colors that are brighter. This variety is often ungainly in form, not being so shapely as many of the later varieties. *White Vervaneana* is also grown for a white. *Mme. Petrick*, pink, a shade lighter than *Simon Mardner* and just as shapely in growth, is growing rapidly in favor and is meeting with much approval by the customers.

In selling azaleas the customer should be informed that they require frequent waterings and a good soaking at least every day when placed in the dry atmosphere of the dwelling. It is well to have a card printed advising the customer of this and attach it to the plant before delivery. Azaleas need but few accessories to make them salable or decorative in the dwelling.

Christmas
Number
Next Week.
Please Mail
Advertisements
Now

A suitable pot cover tied with a ribbon to match the flowers or to contrast harmoniously with them is all that is necessary. Large bows tied on this plant frequently make them look overdressed. The matting makes one of the best pot covers, the coarser woven seeming to set off the beautiful shape of the plant. In the delivery of azaleas it should not be lost sight of that these early blooming varieties are subjected to much forcing and they should be securely covered when leaving the store or greenhouse.

Begonias.

Of all the plants that are grown for pot culture and bloomed for the holidays none attract the attention of the purchaser more quickly than the Begonia Gloire de Lorraine and its kindred sorts when they are well done. These plants, covered with their beautiful pink flowers, are sure to find ready sale and produce an effect in a store or office that can be done by no other. Unfortunately they do not do well in all dwellings, being very quickly affected by gas or too dry an atmosphere. No guarantee of their adaptability to surroundings can be advocated. We have seen two plants from the same lot go into dwellings; one remained in bloom through the winter and the other began to drop its flowers in three days. We have always thought that where this plant failed it was the result of neglect or environment.

Gloire de Lorraine is still the favorite variety with many growers. Lonsdale is a little too light in color to please many, and Glory of Cincinnati, although the flowers and leaves are much larger and the plant of much stronger growth, yet to many it lacks the gracefulness of the older variety. We, however, like the luxuriant growth of Glory of Cincinnati. When these plants are shipped they are of necessity tied in closely and when unwrapped the branches should be carefully spread apart, to give them the graceful appearance which they naturally possess. In the preparation for delivery a sheet of cotton batting should be first wrapped around the flowers to prevent them from being bruised and then covered with enough paper to guard against their being injured by frost. Pot covers of pink, white or green set the plants off and



POINSETTIA PULCHERRIMA.

bows of gauzy ribbon if not overdone can be used in finishing them.

Primulas.

Primula sinensis, the variety known as the Chinese primrose, is still the old favorite with many at this season, for its adaptability for house culture is known and appreciated, but in comparison with some of the later plants it has not the finished or refined appearance, and has been forced into the background, yet there are many customers that desire this plant for their windows and if well grown they will find good sale. It is a little cheaper in price than the finer and larger plants and therefore appeals to a certain class of trade. With the pot covered with green waterproof crepe paper tied with a bow to either match the paper or the color of the flowers, it

makes an attractive plant and one that is almost sure of giving satisfaction. At this season of the year the reds, although not quite bright enough to be called Christmas red, find good sale, and the pinks and whites are always in demand. Primula obconica makes a beautiful plant for making up baskets and also a satisfactory house plant, but this variety is to many poisonous to the touch and should be handled carefully.

Decorative Plants.

Among the decorative plants for Christmas one of the best is Dracena terminalis, its young highly colored leaves being very attractive at this season, and well grown plants will always be in demand. The other dracenas, especially Massangeana, meet with a good sale at this time. Boston ferns are always more or less in demand at this season for they make a very acceptable gift and large plants are more readily sold now than they have been during the fall. Crotons are grown extensively for the holiday trade and their highly colored foliage adds greatly to the display and they make fine decorative plants for the table. While they do not retain their beauty for any great length of time yet they make a splendid showing while they last, and as one of the largest growers of these plants says, "They last longer than cut flowers and are just as beautiful." A nice stock of the popular sizes of palms will be called for and it is good business to have them displayed. During the holiday trade there will be many people looking over the stock who do not often visit the stores and greenhouses and the dealer should grasp this opportunity to display not only his Christmas offerings but also fine samples of the stock which he always has on hand.



ASPENIUM NIDUS AT J. A. PETERSON & SONS, CINCINNATI, O.



BEGONIA GLOIRE DE LORRAINE.

Cyclamens.

If any plant that the florist grows can be given a guarantee to continue to bloom after being placed in the dwelling it is the cyclamen, for in almost any light location and with good care these plants will continue to produce flowers throughout the winter. In very warm rooms, however, the blooms come out quickly and rapidly grow smaller. They will grow right beside the windows and not be affected by the cool draughts, and continue to push up their peculiarly shaped flowers for some weeks. These plants are particularly well adapted for plant baskets that are to be placed in the windows of residences. The single specimens find ready sale and with the exception of pot covers need no accessories to set them off, the sturdy little plants in fact look much better without any furbelows. The foliage of many of the varieties is beautifully marbled and is itself an attractive plant even if it had no flowers.

Fruited Plants.

Among the berried or fruited plants the imported holly and aucuba are the largest specimens and when well fruited are beautiful and decorative, but the sale of these large plants is limited. The two most prominent plants for Christmas are the ardisias and Otaheite oranges. The former is a very decorative plant when well grown and the berries highly colored, and is very satisfactory as a house plant. Tied with a handsome bow of red ribbon and the pot encased in a red matting this plant appeals very quickly to the buyer. It can never be made a cheap plant for the growth is slow and it takes a long time to produce a finished plant. The Otaheite when well fruited and colored is also attractive and these plants draped with golden ribbon can be made decorative. The

solanums are also much in demand, the Christmas peppers appealing to many buyers and the old Jerusalem cherry is a favorite with many looking for a berried plant at a moderate cost.

Do Chrysanthemums Pay?

Every available seat in the Chamber of Commerce rooms was occupied and camp stools called into requisition for the regular meeting of the Lancaster County Florists' Club, at Lancaster, Pa., November 21, when the subject of the evening was "Do Chrysanthemums Pay?" M. J. Brinton of Christiana and B. F. Barr of Lancaster opening the discussion.

Mr. Brinton says that as chrysanthemums have been grown at his place ever since they first began to be a factor in the cut flower product of the greenhouse, and presuming that his firm had ordinary business ac-

men, they must be a profitable thing to grow.

"Were I to grow carnations only, as some of you do," he said, "then I would either grow no chrysanthemums or at least only the space needed for propagation and the growing of the young carnations as they would follow each other without interference and little loss of time. I have tried on different occasions the potting of carnation plants from the field and holding them in frames to follow chrysanthemums but the quality of carnation blooms was so inferior to those from the earlier established plants that I shall try it no more. The grower who needs many small bedding plants in the spring can profitably use a good portion of space with the Queen of Autumn and follow with these plants, or with pot stock intended for Easter. As a rooted cutting proposition they can be made to succeed themselves to advantage, selling cuttings from them during the late winter and until time to renew the plants again.

"I have left sweet peas for the last suggestion as a crop follower for the chrysanthemums, and I believe they are one of the most profitable possibilities in the whole list. As I see it, there are two requisites for success, solid beds and head room. While peas planted in October or November are not likely to grow as tall as those planted in August, if they are well watered and fed they will push several feet above one's head. The same soil can be used if properly enriched, making the investment light. In planting these late peas do not plant the Spencers, for while they make an abundance of long stemmed flowers they do not bloom until the early outdoor varieties are almost beginning.

"In conclusion I would say that chrysanthemums pay. Anything that the public uses can be made to pay just as soon as high quality is produced at a moderate cost. The people want chrysanthemums and will pay for good ones."

Mr. Barr says that his personal experience has been varied. "Sometimes," to use his words, "I have found them profitable, sometimes not. If we can grow one flower to a plant that will wholesale at \$2.50 a dozen or two flowers to a plant that will wholesale at \$1.50 a dozen, growing the plants say eight by ten inches apart, we are



DRACÆNA VICTORIA AT J. A. PETERSON & SONS', CINCINNATI, O.

making a fair margin of profit, providing the house can be used for other crops as soon as the chrysanthemums are cut. Varieties maturing before November could be sold at least 15 per cent less, leaving the same margin of profit, because we have the use of the space earlier in the season, and getting a start before the very short days of winter. It has been our custom the last few years to grow as few varieties as possible, each variety being scheduled to bloom at a certain season.

"The varieties we consider most profitable to us from a retail point of view are as follows: (early varieties), Golden Glow (yellow), Polly Rose (white), Gloria Pacific (pink). Unaka is considered a great favorite by many but with us it was a failure; (mid-season varieties) Robert Halliday (yellow) White Cloud (white) McNiess (pink) and Major Bonnaillon (yellow); (late varieties), both yellow and white Jerome Jones, Lynwood Hall (white) Maud Dean (pink) and Rosette (pink).

"We have been growing these varieties for the last four or five years. Some years ago I was very enthusiastic on the chrysanthemum question and bought stock of practically all the new varieties as they were introduced and found to my regret that the larger percentage of the new varieties were a total failure and a dead loss. There are exceptions however; for instance, when Yellow Jones was introduced I bought 500 plants. The first year the flowers did not pay for the labor of growing them, much less for the plants, which were quite costly. Giving them another trial the following year they did remarkably well, producing splendid flowers, and we have been growing them ever since.

"This is only an instance to illustrate that many times a new variety is discarded before it is given a fair chance. However, to make money out of chrysanthemums it is better to let them be tried out in different soils other than that of the producer before investing heavily in them. The chrysanthemum season is really the fall opening of the florists' business, and by giving them the care and attention needed to produce first class flowers, and with the proper disposition of the beds after the flowers are gone, I am quite sure they can be grown with a fair margin of profit."

These papers were followed by a general discussion in which many good points were brought out. R. S. Nagle having made a success of the very early varieties with the use of sash to cover an outdoor space. — Law found the following up with carnations from four-inch pots a success where Golden Glow was the variety used as a predecessor. In the discussion it was brought out that some years back John N. May, Summit, N. J., grew carnations in flats four inches deep, these flats being held in cool houses until the chrysanthemums were out of the way and then simply set on the beds, not shifted, giving good results.

S. S. Skidelsky was a visitor and advised the growing of one of the better new varieties, as the larger growers were discarding old varieties for new ones and they certainly knew what they were doing. He also made some remarks on the matter of publicity along newspaper lines and was followed by President Herr, who is in hearty accord with the newspaper end of this campaign. It is proposed to

make a visiting tour about once a month during the growing season, taking in various establishments along the car lines. The first one will be November 30 to Manheim, some thirty signifying their intention of going.

ALBERT M. HERR.

FLORISTS' PALMS

Cultural Notes.

The passing of the month of October brings to mind the fact that the potting season is very nearly at an end, for palms in general do not make so rapid a growth after this month is gone and some of them practically cease growing from November to March. This means that it is not good practice to disturb the roots of such species during that period, for freshly potted plants are not good subjects for the retailer to handle, and also do not make much progress for the wholesaler unless they are given an unreasonable amount of heat.

It is doubtless well known to many growers of experience that the Kentias do continue to grow later in the season than the majority of commercial kinds of palms, but their growing season may not really prove to be much longer than that of the arecas or cocos, taking into consideration the fact that they do not start to grow quite so early in the spring. But yet this difference in habit gives a chance to the grower to shift some of the young stock of Kentias after the sale of some of the larger plants has made room for such work, for palms take some time to grow into money, and every month counts. In the autumn small shifts in repotting are the best practice, as too much unoccupied soil in the pots is of no special benefit to the plants and in case of careless watering may really prove to be a detriment. Therefore one-inch shifts are safer practice than to move them from 4-inch to 6-inch, or from 3-inch to 5-inch pots at one potting.

In spring one does not need to be quite so careful as to the size of the shift, provided the plants are well rooted and in a healthy growing condition. There is, of course, a limit to the smallness of pots in regard to palms, it being quite possible to grow a plant 5 feet high in a 5-inch pot, but such a plant looks and really is abnormal, and in addition to this a customer is rarely willing to pay an 8-inch price for a plant in a 5-inch pot, so these overgrown plants seldom prove very satisfactory. This applies particularly to Kentias, because these plants will thrive with less root space than many others. The Phoenix demand more root space, though they may also be grown in under-sized pots by means of judicious feeding and fairly high temperature. But when a Phoenix is kept too long without a shift it forms such a cushion of strong fleshy roots in the bottom of the pot that the whole plant is lifted above the rim, and it becomes a difficult matter to water such a plant properly.

One may remedy such a condition in the spring by pruning off the mat of strong roots and then repotting into as small a pot as may be convenient for the purpose, but such treatment is too much of a shock for the plant when it is about to go to rest in the autumn, and might result in the loss of some foliage. Firm potting, thorough watering, and sufficient heat are three particular items in the successful culture of commercial palms, and yet there are some limitations on each of these items. Regarding the firm potting it may be said that anyone that is used to the work can pot any palm up to the 4-inch size with no other tool than the fingers and thumbs, but from 5-inch pots upward a thin rammer is required in order to get the soil down where it belongs in the pot. Thorough watering means giving water enough to completely wet through the ball of earth in the pot, and if one watering is not enough to do this then repeat the dose until the



A FINE SPECIMEN CYCLAMEN.

soil is moist all through. Then syringe freely overhead and beneath the foliage, using a good pressure of water, so that dust and any loose insects may be removed.

Both watering and syringing are best done before noon at this season of the year, syringing as early as the sun heat brings the temperature of the house up to 75 degrees. Sufficient heat is a somewhat elastic term, but it indicates for Kentias a night temperature of 58 to 60 degrees during the winter, about the same for Latantias, and 62 to 65 degrees for arecas, cocos and Phœnix Rœbelinii. Rhapis are comparatively hardy and will keep in good condition through the winter in a night temperature of 55 degrees, and a few degrees lower will not do them any harm. While palms are not likely to show marked differences in general condition from a few degrees' variation in the night temperature, yet it is more satisfactory to follow an even standard and the night man should have proper instructions to that effect. Shading on the glass becomes less necessary as the days shorten, and from November 15 to February 15 there is but little shading needed.

W. H. TAPLIN.

Retubbing Phoenix.

ED. AMERICAN FLORIST:—

I have a large phoenix to transplant for a customer. It is in a tub about 24 inches square and slightly deeper. The height of the palm is over nine feet. Would it be safe to remove some of the roots with some of the soil and put it back into the same tub? Also, what fertilizer would you mix with the soil? If not practical to use same size tub how much larger should the new tub be? Will you also give me your opinion as to a fair charge for storing this palm during the winter? The leaves spread out over eight feet square, but of course I could use the space under them for other palms.

Illinois.

G. W. J.

It would be better to postpone the re-tubbing of this palm until next March, as at that time the roots will resume their growth much more rapidly than they would at the present season. The roots would stand pruning, provided the plant is kept in a warm and moist house for several weeks afterward. Use good ordinary potting soil with the addition of about a five-inch pot full of bone dust to the quantity required for the job. In case you decide to use a larger tub there should be two inches of clearance around the old ball, in order to allow space to ram in the fresh compost. Storage charges vary considerably according to the locality, but a charge of one dollar per month would be moderate for such a plant.

W. H. T.

BOSTON, MASS.—Fire did considerable damage in the Fine flower store November 13.

BROWN DEER, WIS.—The Mueller Greenhouse Co. is preparing to erect three new greenhouses 26x300 feet. The preliminary grading, etc., will be done this winter and the building will start in the spring. The entire plant, to consist when complete of five houses, each 26x300 feet, and one propagating house 15x60 feet, will be devoted to the growing of carnations.



OTAHEITE ORANGE.

THE CARNATION.

Some Timely Suggestions.

Everything having been attended to as regards the supporting of the plants by wire rings, strings or whatever method is adopted, the general routine of caring for the plants comes next in order. They will need disbudding regularly as the new shoots come up and bud out. Allow the buds to get large enough to handle properly before disbudding. Rubbing out the side buds when they are very small as early in the season as this has a tendency to throw the flowers to one side, but it is not meant that by allowing the buds to get large enough to handle properly they should be left on to draw all the strength out of the main bud. Another important point is where to stop in removing the side shoots from the flowering stem. Long stems to the flowers are as desirable at this time of the year as any other, but the lower shoots of the flowering stems are the growths for the season's blooms, so that it is necessary to draw the line more closely at this time than later in the season and be satisfied with a medium length stem for a while yet.

It is a pleasure to go into a house of carnations at this season and find everything in order. This is the season for the plants to build themselves up preparatory to the dark, dreary weather which we are bound to get

during November and December, when plant growth will be very slow. Therefore it encourages the growth of the plant a great deal to follow up closely every little detail of the work. Keep the soil in the beds porous and sweet by guarding against its becoming too wet. Sometimes considerable of the soil will wash toward the center, preventing that part of the bed from drying out properly. The only thing to do when this occurs is to level the loose soil back again. Temperature and ventilation are two very important factors. An even temperature should be the aim at all times, running a little below the regular degree for a couple of weeks yet or until the weather conditions make steady firing necessary. This gives the plants a chance to make strong healthy growth.

Cold draughts blowing on the plants should be avoided and particular attention given to keeping them clean from insects. At this season the flowers lack the keeping qualities of later on, owing particularly to the abundance of pollen that is now found in them. It is therefore better to cut the flowers a little tight and set them in water for 10 or 12 hours before sending them to market. Now is the time to get a good supply of live soil together for potting up the young stock during the winter. Do not add any more manure to the fresh soil than is necessary to put a little life into it. The soil should be stored out of the weather in some easily accessible place. An-

other important item is to arrange for the propagating sand. It will be but a very short time before it is needed again.

C. W. JOHNSON.

THE ROSE.

Tying and Disbudding.

One of the most important things at hand in the rose houses at this time, is the tying. In order to have good strong plants for mid-winter blooming they must have plenty of air circulating in and around them and plenty of sunshine where it will do the most good. If the tying is neglected, especially if the plants that are being carried over were pruned hard, they usually make so many growths the foliage becomes so dense that it excludes too much air and light; and naturally in a short time if they are not kept tied they will lose a great amount of foliage, become drawn and show a tendency to produce blind wood.

When one is tying there is much wood that is practically useless that can be severed. Especially is this true of the carried over stock as, no matter how carefully one has pruned, there will be a number of weak growths come that will only choke up the plants and cause a loss of foliage on the good wood. Richmond should be watched carefully for this reason, and very often where Killarney has made three or more canes to prune back on each plant they will make practically as much thick growth as Richmond; and as stated above while one is tying, a good deal of useless wood can be removed as we go along. Again, one must be careful not to draw the plants together too tightly under the tie.

Disbudding requires a great amount of judgment at this time for it is quite a temptation to let the flowers come on now and many inexperienced growers are over anxious to begin to reap their harvest. We all know or should know that the chrysanthemums from now on till the latter part of November will crowd the roses to the wall, and there is seldom anything more than a mild demand for even the best of rose stock during the chrysanthemum season. So we disbud accordingly, and as we have so often stated in these columns that for the small grower we think cropping (in the true sense of the word) is not advisable; and if one has the skill to have his plants producing quite fairly day by day, his net returns for the season will, we think, show better results than by cropping all off, perhaps when prices are soaring, and roses to burn on a slump market.

The Compost.

We would suggest that some of the soil for next season's compost be hauled now before bad weather sets in. We won't go into details in trying to describe the best soil for this purpose any more than to state that a good stiff clayey loam is preferable to a light sandy soil, and a sod of long standing is best on account of the great amount of fibre it contains. Any soil from a field that has been set to grass for several seasons and has been known to have produced good

crops of grain, grass, etc., should make good rose soil. If the soil is hauled and dumped conveniently near where the compost is to be prepared (preferably in the spring), and the frost is allowed to work on it during the winter, then mixed in the spring with good cow manure, it will be found in fine condition. If one cannot haul it at this time the ground should at least be plowed and when the ground becomes frozen it can be loaded by hand easily and piled up or a top dressing of manure placed on it to be washed into it during the winter. Almost any stable manure will do for this, as it will have to have the cow manure added anyway when the spring mixing or composting takes place.

One should also prepare soil enough now for the winter's potting and get it under cover; also sand for propagating. This should be kept in a dry, clean place. Good wash sand is excellent for this work if free from vegetable matter where one cannot get good bank sand, although the latter is preferable, owing to its freedom from dirt. About the first demand for soil will be the potting of the manetti stocks

there is any difficulty experienced in having the foliage dry off properly. Now that there is an increase of artificial heat look out for red spider, fumigate regularly and keep the fumes of sulphur in the house by applying it to the pipes. If steam heat is used and one pipe is painted for several feet along each joint the whole length of the house about every two or three days there should be no trouble caused by mildew unless there should be a bad dose of it. In this case sulphur should be used until it disappears.

E.

Russian Experiment Stations.

A law ratified by the emperor during the summer of 1912 is sure to be of very great importance to Russian agriculture. This law deals with measures relating to the opening and maintenance of agricultural experiment stations throughout the country, the government undertaking to provide three-fourths of the necessary funds. The development of the stations is in the hands of provincial zemstvos and agricultural communities. The balance of trade in Russia has to be main-



BEGONIA GLORY OF CINCINNATI.

Grown at Vaughan's Nurseries, Western Springs, Ill.

if one intends doing any grafting, and when mixing the soil or piling it up in the rough, use one part good cow manure to four parts soil; but if the soil and manure can be kept dry it is very easily mixed as one wants to use it, and it is a good plan to have some shredded cow manure on hand all the time, as this is always ready to mix with the soil for potting purposes. We have found that it gives excellent results for pot roses as well as for light mulchings.

One should syringe thoroughly these days and about every other day where

tained largely by the exportation of farm products; but a good crop is somewhat a question of chance, so that agricultural advancement becomes imperative. The dissemination throughout the country of knowledge concerning scientific agriculture is seriously needed, and it is to that end that the new law has been promulgated.

BATTLE CREEK.—Case and Wimball Kleckner have opened a cut flower store, known as the Flower Shop, at 179 West Main street.

New Trees in Arnold Arboretum.

It might have been expected that the last year with its exceptionally dry summer and remarkably cold winter would have damaged many plants in the Arboretum, but on the whole the collections are in unusually good condition and as yet show little effect of the severe climatic changes of the winter, states the Bulletin issued by the Arnold Arboretum. The influence of the weather on the plants raised from seeds collected in western China has been watched with interest, as a number of them were planted last year in exposed positions that their hardiness here might be tested. The winter has shown that a large number of Chinese trees and shrubs new to our plantations can probably be successfully cultivated in Massachusetts, and of course in all the regions south of Massachusetts. The following are some of the most important of these trees: *Davidia involucrata* should perhaps be mentioned first. It is a medium sized tree related to our Flowering Dogwood, but with one large floral bract in place of the four smaller bracts of the American tree. *Davidia* is described as one of the most beautiful of all the flowering trees of temperate regions and its introduction a few years ago into cultivation through French missionaries was a matter of great horticultural interest. It has lived for several years in the Arboretum and has flowered twice in Europe. Of especial interest is *Cladrastis sinensis*, introduced by Wilson, as it adds another to the list of genera represented in the eastern United States and China. The American *cladrastis*, better known as *virgilia*, is one of the rarest and most beautiful of the trees of the United States. Unfortunately, the Chinese species promises to be of less value as an ornamental tree. The flowers, which are sometimes faintly tinged with pink, are smaller than those of its American relative and are borne in erect, not drooping clusters. The leaflets are smaller and the bark is of a darker color. The two new catalpas from western China, *C. Fargessii* and *C. Duclouxii*, are both uninjured. In *Phellodendron chinense* there is an important addition to the eastern Asiatic genus *phellodendron*, represented before in the Arboretum by three species. It is good news that *Staphylea holocarpa* has come through the winter in good condition. This is a tree twenty to twenty-five feet tall, producing in May before the leaves appear pendulous racemes of fragrant flowers varying in color from white to rosy lilac. Mr. Wilson speaks of it as the handsomest of its genus, and one of the most beautiful of the small flowering trees of western China. The different forms of the so-called European Walnut (*Juglans regia*), introduced by Wilson, and the distinct *J. cathayensis*, a tree with splendid foliage and nuts resembling those of the American Butternut, are uninjured by the cold. *Populus lasiocarpa*, which has lived in the Arboretum uninjured during the past two years, adds a very remarkable and handsome species to the large group of these trees which can be cultivated here. A still more beautiful species brought back by Wilson on his last journey and still unnamed has passed the winter without injury. Even the liquidambar of central China, *L. formosana*, is uninjured and may prove hardier here than the native species which suffers in eastern Massa-

chusetts except in favorable positions.

The greatest of all the hazels, *Corylus chinensis*, judging by the plants at this time, gives promise of becoming an important addition to the ornamental trees which can be cultivated here. With an average height of from sixty to eighty feet and a girth of trunk of from eight to ten feet, in favorable situations on the mountains

which cover the mountains of the Tibetan frontier indicates that these trees may also be hardy in this climate. The introduction of these conifers was the object of Mr. Wilson's last journey to China, and they are now growing in the Arboretum and in many public and private collections.

It can be said that generally the new Chinese species of oak, beech,



AZALEA CARL ENKE IN 5-INCH POT.

of Hupeh it attains a height of more than a hundred feet with a trunk five feet in diameter. There is much interest in the various forms of cherry raised from seeds sent home by Mr. Wilson, who found an unexpectedly large number of species in several of the groups of the genus *prunus* to which the cherries belong. They are nearly all quite new to science and of course have not been found before in gardens. Thirty of these new species or varieties have passed through the winter uninjured, and only two species, which will probably not live here, have suffered. Among these species are a number of great beauty and this group perhaps is the most interesting of the deciduous-leaved trees obtained by Mr. Wilson during his first journey. The hemlock of western China, *Tsuga yunnanensis*, has now lived for two years in the Arboretum. This is one of the largest and most widely distributed of the conifers of China. The fact that it grows with the spruces and firs

birch, willow, poplar, pear, maple and ash, besides some of the less well known genera like *idesia*, *euptelea*, *poliothyrsus* and *eucommia*, judging by the experience of the past year, are likely to succeed here and it is probably reasonable to hope that not less than seventy-five new species of trees will be added to our plantations by Mr. Wilson's first journey to China.

ELGIN, ILL.—Nearly two thousand people attended the chrysanthemum show at Mrs. Geo. Souster's greenhouse Sunday, November 17.

PROVIDENCE, R. I.—The following officers were re-elected at the recent meeting of the Florists and Gardeners' Club of Rhode Island: Eugene A. Appleton, president; Cornelius Hartstra, vice-president; William E. Chappell, secretary; James Hockey, treasurer; James Dillon, librarian; H. C. Newbrand, James Dillon, Cornelius Hartstra, executive committee.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Basket Vases.

There are all sorts of jars for holding flowers, from the cheap tin and fiber buckets to expensive china and glassware. Many of the fiber jars are useful for cut flowers when placed in the ice box, but are hardly the thing for window or store decoration, although many storekeepers make use of them for this purpose.

A much better plan is to place the common jar in a basket cover. These are now offered by the supply men in great variety, many of them furnished with zinc linings or of a size that will admit and hold nicely stock-sized fiber vases. A few chrysanthemums and autumn leaves arranged in vase or tinlet of this description will have a much better decorative effect than when used in the plain jar. They are to be had in all colors—shades of green, brown, gilt, two-toned, gun metal, or made to go with any kind of store fixture.

The shapes and sizes are as valuable as the colors. Every store should have a dozen or two of these wicker or basket vases or jar holders. Arranged in these receptacles the stock presents in addition to its natural beauty a decorative effect that adds materially to its appearance, and customers who are "looking" are often influenced to the point of buying when the ordinary closely packed jar of flowers would be passed by. K.

Thanksgiving in New York Stores.

Harking back to the days when some of us were husky boys and were wont to make trips in a "rattle-trap" horse car to the end of the line, then stumble on over frozen ground to a greenhouse, we may well say that the world, at least the horticultural part of it, is growing better. These trips, cold and tiresome as they were, sometimes ended in sore disappointment on finding that some other fellow had taken time by the forelock, got there ahead of us and secured the best of the available stock. While a variety of complaints may at this time be heard from various branches of the trade, it would indeed be an unreasonable man who could complain of the quantity or quality of stock.

Though many of the best chrysanthemums have been cut, the retail stores are yet well stocked with them and some excellent varieties are seen. Roses are in profusion and the window decorations are prodigal in their use. Great as American Beauty has been, we sometimes think that its glory will soon be dimmed by some new variety. Though but few of Mrs. Charles Russell are yet seen, enough is known of it to start endless gossip as to its possibilities. Mrs. Geo. Sawyer is another rose that is much sought after and Milady seems to be the red rose of the near future. Killarney, Radiance and Lady Hillingdon remain popular and all are striking features at this time.

The fancies of the old poets ran much toward the rose and it was worthy of their muse. If they could look around the flower stores of the present day and see some of the productions of Dorner, Fisher, Ward and others, we doubt not that they would be inspired to sing of the beauty of

the carnation. To show the popularity of the carnation in a more practical sense, it may be stated that for the Thanksgiving trade it is one of the few stocks that has practically doubled in price. The saying that there is always a demand for carnations has been more than emphasized during the past week, and while they are not yet at their best, surprisingly good stock may be seen. The lily of the valley, as useful for the bridal as for the bier, retains its popularity and is seen in all its perfection.

There sometimes have been predictions made that the orchid supply would become exhausted, but this has not yet come to pass. Orchids in garlands of smilax or in glasses are features in many of the most pretentious show windows and add richness to any decoration. The gardenias are no longer novelties and have now taken their place among the staple stocks with the great improvement in their quality and culture. The lilies, once an Easter luxury in the floral world, have become such a part of the day's business that it is possible their beauty and usefulness may, in some instances, be undervalued. Of "the modest shrinking violet," what shall we say? Considering its history, associations and past usefulness, it

qualities of the hanging baskets of begonias of the Lorraine type may sometimes be questioned; their grace and beauty never. There is no occasion for any florist to hang up in his store a little eight by nine picture to give "publicity" to flowers, for a few of those hanging baskets of begonias flanked with luxuriant ferns, will do the trick. Azaleas, poinsettias, heather and camellias are also seen in all their beauty and if to all these we add the bright foliage plants like the crotons and dræcnas, on great banks of palms and ferns, it will readily be seen that horticulture and floriculture are marching to the drum-beats of progress, A. F. F.

Hydrangea Arborescens for Easter.

ED. AMERICAN FLORIST:

What treatment should *Hydrangea arborescens* get to have in bloom for Easter, 1913? Should plants having three-foot canes be cut back?

Missouri.

K. F. CO.

After bringing in the plants they should be cut back and receive a general pruning such as is practiced with *H. paniculata*. They require a rich loam with at least one-fourth decomposed cow manure, and should be potted firm. One good watering is nec-



BASKET VASES.

Chrysanthemums in Wicker Vase Concealing Fibre Jar.

seems a pity to see it so overshadowed by its more showy sisters. There is yet a demand for violets and we hope there always will be, but it is an undeniable fact that they are losing caste in "high society." Sweet peas of excellent quality are seen, in fact, the exceptionally mild autumn has sent to market a wealth of cut blooms that we believe has seldom or never been equalled.

As it is with the cut flowers, so it is with the flowering plants. The lasting

essary to settle the soil round the roots. They will require very little more than a light syringing until the leaves begin to develop. A temperature of 45° to 50° is what suits them best till they acquire a good sheet of foliage, when they can be advanced gradually to 56°. They are very impatient of heat and any attempt to force them will surely end in failure. When the flower buds begin to show color, they will stand a temperature of 65° if necessary. C.

WITH THE GROWERS

Bobbink & Atkins, Rutherford, N. J.

A recent visit to this noted firm of nurserymen and florists showed that their business is constantly on the increase. As the season for digging and shipping outdoor stock is now practically ended, though the mild autumn weather has prolonged it, we will enumerate a few of their greenhouse specialties, for they have a large glass area and every house is well stocked.

We found a force of men preparing for shipment many fine palms, araucarias and other exotics. The palms grown at this range, both in quantity and quality, are very notable features. In boxwood and bay trees there is an immense stock to choose from and these features alone make the place worthy of a visit. The seeker after color can find plenty of it here. There are houses of poinsettias that would delight the eyes of an artist and they are already all ablaze with color. There is an immense stock of fine azaleas that will be in for the Christmas trade.

The fine foliage of many dracaenas, if not as pronounced as the blooming poinsettias, lends variation among the ferns and other foliage plants. A noteworthy feature is the many fine plants that are being grown on for future sale, such as hydrangeas, large tubs and vases of English ivies, etc., for eternal vigilance is one of the mottoes of this firm. They aim to be prepared to fill all the orders that come in and have something left for seed, as the farmer would say. One notable feature is a fine stock of *Ficus elastica* and *F. pandurata*. The old-fashioned rubber plant is still on the job, so to speak, and there are no better ones than those grown by this firm.

Returning to flowering stock, we found fine bougainvilleas, begonias of the Lorraine type, primroses and a variety of other fine stocks. On account of the great increase in their business they have recently greatly enlarged their office rooms and facilities, and an atmosphere of business prosperity pervades the whole place. Much of their stock goes to the New York market, but their shipping trade to distant points is also large.

A. F. F.

The Julius Roehrs Co., Rutherford, N. J.

Although the Julius Roehrs Co. has been many years in business and the name is one to conjure with in the horticultural world, it is worth while, as Christmas draws near, to call attention of their remarkably fine stock of plants. It would indeed be a large undertaking to attempt to enumerate all the stock that their acres of glass cover, so we will be content to mention a few of the leading features.

Though primarily plantmen, they grow a great amount of stock for cutting, notably orchids. "Always orchids," one of the members of the firm once said to the writer, and that statement remains unquestioned. We cannot at present recall how many thousand square feet of glass covers the orchids, but if that alone were standing separately it would be considered a large range. Here have been gathered from time to time the best products of the orchid producing countries. Unless you are a post-graduate in orchid lore, you will see fine specimens of all the orchids you know anything

about and then some more. A force of men are working all the time in the orchid houses, for even if they do "grow on trees" in their native wilds, such primitive methods are not in vogue with those who grow for a crop. Connected with the orchid houses are large and convenient potting and packing rooms and every other facility for rapid and efficient work.

Lily of the valley is another product of this range, the culture of which attracts attention. It is kept coming all

is not easily grown, but that might depend upon who was growing it. However that may be, it is growing all right at this range, and there is house after house of it, showing that richly tinted foliage that betokens proper treatment. The crotons are a fine feature and there are dracaenas in variety and a mass of other beautiful foliage plants.

Azaleas, rhododendrons and the various berried plants are always popular factors in the plant trade and they



BASKET VASES.

McCullough Dahlias and Yellow Chrysanthemums.

the time, is cut and bunched with great care and the valley grown at this range is much sought after in the New York market.

In the plant sections, at present there is a most remarkable exhibit of the Begonia Glory of Cincinnati and others of that type. We counted ten houses and possibly missed a few, filled with these begonias in all the glory of perfection. When a photographer tries to get the impression of such subjects his finished work is crude indeed and even we fear, some of the "old masters" would have made a sorry job of it. There are some things that cannot be described, painted or photographed with complete satisfaction, they must be seen to be thoroughly appreciated.

Passing on, we find among other Christmas favorites, the poinsettias, which are another blaze of color. There is being grown at this range a new poinsettia, a pink, which is a novelty. Time was, and not so long ago, when the question was asked: "Will the camellias come back?" Well, they are back, and judging by the quality of stock seen at the Roehrs range, they are here to stay.

Another notable feature is the great stock of *Adiantum Farleyense*. It has sometimes been said that this plant

too are here in quantity and perfection. If the philanthropic Andrew Carnegie could see the heather grown here, he might be tempted to bestow a pension on the head of the house, provided he did not prove as ungrateful as the ex-president and the near-ex-president have been. But a part of the good things to be seen at this range have been enumerated and visitors to New York who are interested in horticulture should include Rutherford, N. J.

A. F. F.

Philadelphia Notes.

The Jos. Heacock Co. is still sending out large palm orders. They say it is the best season ever. A new drove of tested cows has been added to the dairy at Rolefs. The firm hopes now to have all the fertilizer required for this rose growing branch.

M. Rice & Co.'s last minute sheet, offering the indispensables for Christmas, is very timely. It is well worded and illustrated, so that the busy man can see the stock offered at a glance.

The publicity committee of the Florists' Club has met several times and is laying out a program that if kept up to schedule will bring great results.

Griffin Brothers of Turkford are sending some fine cattleyas to Ed Reid, who says he cannot get enough of them.

The H. A. Dreer Co., at its city store, 714 Chestnut street, had a window filled with cocus in various sizes, all very artistically arranged. A window of the Mordrecht or Glory fern the week before attracted much attention. This variety is certain to be a winner.

The Leo Niessen Co. handled an enormous amount of stock last Wednesday. Their great facilities were taxed to the utmost. Double and single violets, carnations and American Beauty roses are special features here.

The new Berger Autocar went into service last week. It is a beautiful machine and is a great help in making deliveries.

Godfrey Aschmann is wearing a broad smile these days. The large morning mail orders start it going early. He says business was never better. K.

Boston.

HOLIDAY HELPS TRADE.

The last week has been the best for some time. Good feeling prevailed among the public in general, with the result of an increase of trade for the annual Thanksgiving. The florist ought to give thanks that his specialties received the support of the buying public as they did. All classes seemed to be purchasing, from the street waif with a few cents, to the millionaire with his orchids and Mrs. Chas. Russell roses. It is pleasant to note that personally we saw very little salted stock which will give the public an incentive to purchase more after the lasting qualities of the flowers have been established. Roses and carnations were especial favorites. Chrysanthemums to make a large showing were taken up quickly. As reported last week, carnations were scarce and commanded a higher figure. Some of those who went in for roses are of the opinion that they had better stand in with their old love. Because of the higher temperature required, and the longer season of firing, and the ups and downs of the roses, they figure they would have been money ahead if they had not changed. Chrysanthemums are gone. Roses are not any too plentiful. Carnations are scarce, along with sweet peas. Single violets are in fair demand but the double ones are not much wanted.

NOTES.

Peter Fisher's new carnation Gorgeous is going to be the kingpin next year. With three-foot stems and big flowers, this variety is in a class by itself; and the productiveness is there also. We are glad Mr. Fisher has another good thing.

Christmas next. The wholesalers are already preparing for that day.

Jas. Wheeler of Natick has a very fine strain of snapdragons.

Thanksgiving ushered in our first snowstorm. MAC.

Washington.

PRICES ADVANCE.

Business during the last week has picked up considerably and everybody seems to be satisfied with the Thanksgiving trade. There is plenty of stock of all kinds and the prices have advanced a little.

NOTES.

Geo. H. Cooke had the decoration for one of the social events of the fall, the wedding of Miss Laura Beatrice Merriam, daughter of Wm. R. Merriam and wife, to James F. Curtis, assistant secretary of the treasury. The house was elaborately decorated in the drawing room, where the ceremony took place. The flowers were all white. Chrysanthemums, lilies of the valley and gardenias were used in profusion with maidenhair ferns and palms. The

bay window was completely hidden by a lattice which was hung with asparagus vines, in front of which stood the priedieu. The bridal party made their way to this from the music room, their path being marked by broad white moire ribbon. In the music and dining-room the flowers used were pink and in the hall were pots of palms and flowering plants. A special feature of the wedding was the boutonnières worn by all the servants. They were small old fashioned bouquets made of lilies of the valley, white roses and maidenhair in a dainty lace holder with a bow and ends of white gauze ribbon. The bridal bouquet was a handsome one made in shower effect of lilies of the valley, white dendrobiums and white spray orchids made to carry on the arm.

Gude Bros. had the golden jubilee and fiftieth anniversary of the Calvary Baptist church decoration, using a great quantity of palms and ferns, 300 yards of Christmas roping, 700 large yellow chrysanthemums and 200 yards of broad yellow ribbon. They also decorated for the opening of a new furnishing store, using southern smilax and from thirty-five to forty baskets of flowers and horseshoes, giving it the appearance of a flower shop instead of a haberdashery. St. Patrick's Church decoration for the mass of all nations was also done by Gude Bros. Large palms, ferns and chrysanthemums were intermingled with the flags of all the nations.

The Washington Floral Co. has a new rose called Lady Caprice. It is a two toned pink, very much like Radiance and having a flower larger than the American Beauty.

Walter Carson, formerly of Buffalo, N. Y., has accepted a position with O. A. C. Oehmler. G. C. D.

Baltimore.

The Maryland Horticultural show, held at the Fifth Regiment Armory the week of Nov. 19, was a great success. Fine fruits, vegetables and grains, surrounded by exquisite plants and blooming flowers, made a scene worthy of note.

A week or two later would have produced a larger showing of roses, but chrysanthemums of the choicest were there in abundance. The park board had a fine exhibit of plants and ferns which added very much to the decorations. The seedsmen and bulb people, the greenhouse supply men, etc., were well represented. A fairly good crowd was present each evening, and the usual premiums of silver cups and money were distributed.

Thanksgiving came in with a light mantle of snow—a typical day, and very good for the business. The sales on that day were up to the usual trade for the season. The social functions will soon start now, which always creates a demand for flowers.

The florists are busy getting their Christmas stock in trim. Very fine poinsettias are coming in. This is certainly a Christmas flower, the red is so bright and attractive, and large sales are annually made of it.

B. S.

Detroit.

BEST THANKSGIVING IN HISTORY.

The Thanksgiving trade was the best ever experienced here. Favored with cold bright weather, which was preceded by the warm, cloudy, and rainy variety, the change seemed to give unusual life to trade. Wednesday was better than Thursday, but a heavy demand began early Wednesday morning and continued till late the following day. Chrysanthemums were the chief item called for, and the supply was fully equal to the call. Violets were greatly favored, but the use of Pom-

pon chrysanthemums for corsage bouquets robbed the violet of some of its popularity. American Beauties were a factor in the trade, and though high priced, many of them were sold; other roses held their own on the general call, and many were sold. A shortage of them developed early on Thursday. Valley, too, was not equal to the demand, while too many lilies were on hand, and the poorer grade of chrysanthemums moved sluggishly. Carnations were short of the demand, and the quality of most of them available was poor, though really high prices were realized on them. Small baskets of assorted flowers found much favor with the public and many were disposed of. These effects are constantly growing in favor, and all retailers are prepared for the spirited call for them. Friday the expected quiet followed the previous day's feast of flowers, but Saturday unusual activity developed, and all good flowers on the market were easily disposed of. Chrysanthemums are approaching the end of the season, and as only a few good flowers are available carnations will now receive a correspondingly increased demand. All growers of these, however, report only a fair crop and in some cases poor prospects for good flowers and not many of them for the present.

The club meeting Monday evening, December 2, was only fairly well attended. Wm. Dilger, now in charge of the park system of London, Ont., was a visitor, and interested the members by the reading of a paper on horticultural societies, and their relation to the parks and private grounds. This paper was prepared for and read before the Horticultural Society of Toronto, November 14.

Conrad Schaefer, Wabash avenue, had a boiler to give out on Thanksgiving day, but the mild weather saved him from a further loss and the quick installation of a new Capitol heater makes him feel more comfortable.

Albert Vinkler of John Breitmeyer's Sons' store, is suffering from an attack of blood poisoning which affects his right arm. He has been unable to work for the past five weeks.

Michael Bloy is suffering from a very painful felon on his right thumb. J. F. S.

Cleveland.

SALES INCREASE.

All reports on business for Thanksgiving indicate an increase in the volume of sales. Violets and American Beauties were perhaps the best sellers for the better class of trade, while chrysanthemums, carnations and Killarney roses ran a close second. Valley was scarce all week. Orchids cleaned up and were short of the demand. Aaron Ward roses for corsage bouquets were in good demand, but the supply fell short. Calandula is again coming in and as usual meets with a good demand. Paper Whites and stevia are arriving daily, but do not sell as rapidly as they should. The public seems to want carnations, carnations; in fact, it is very seldom a good carnation is not as "good stock" as any flower grown at any time of the year. At present they are bringing a fair price with only half enough to fill orders. Richmond roses are not over plentiful, but growers are promising a good supply for Christmas and after. Chrysanthemums from now on will be less plentiful. The cut for Thanksgiving day has cleaned the houses of most growers and made room for other stock. A few, but very few, sweet peas are beginning to make their appearance. The small button chrysanthemums and pompons are about done for. Greens of all kinds are plentiful.

C. F. B.

Cincinnati.

MARKET CLEANED UP.

Thanksgiving cleaned up the market thoroughly and as a result the clearances are regular. As a whole only stock of the highest quality is coming into the market and it is bringing a price, when past prices are considered, commensurate with its value. Shipping business is very good. Roses, with the exception of the white ones, clean up regularly. The white is in very large supply and since Thanksgiving it has been selling up each day, but not with the vim of its sister roses. There has been a strong call for Richmond. American Beauties are good and are proving the best of property. The carnation supply is very short and unless it increases each bloom may be worth its weight in gold. Double violets sell nicely. The single ones are excellent and are selling at sight. Both valley and orchids clean up well, in fact, at the close of last week more might have been used. Both callas and Easter-lilies sell well. The chrysanthemum offerings include some very choice Chadwick. Stevia is offered in quantity and is finding only an ordinary market. Other flowers include narcissi, pansies and mignonette.

NOTES.

The regular meeting of the Florists' Club was held on Monday evening at the club rooms. It was not very well attended in spite of the importance of the meeting. Judging from the report of the entertainment committee the banquet and lecture of President Richard Vincent, Jr., next Monday, December 9, at 8 p. m., at the Burnet House, will be well attended. Those who wish to go and have not their tickets can get them by applying to any wholesaler or to A. C. Heckmann, Jr., Ray Murphy or Chas. H. Hoffmeister of the committee.

On Saturday, November 30, E. G. Gillett's strenuous service as a member of the building committee of the new Price Hill Masonic Temple was ended when the edifice was formally dedicated with imposing ceremonies.

H. J. Bode, who is prominent in the service of the local park department, denies the story that he is about to join the force of the Miami Floral Co. at Dayton, Ohio. He is well satisfied with his present position.

Geo. Magrie has made arrangements for his usual consignment of holly for the holidays. He promises that it will be better than ever before.

C. E. Critchell is already having a strong demand for Christmas goods, particularly crimped wire rings and artificial poinsettias.

P. J. Olinger has been cutting an elegant crop of American Beauties and Killarney roses. They are selling at sight.

The local members of the craft are truly sorry to hear of the death of Arthur Harbeson of Harrodsburg, Ky.

A. Sunderbruch's Sons were extremely busy with funeral work at the close of last week.

Albert McCullough has gone to California for a fortnight's stay.

Visitors: Robert Groves, North Adams, Mass.; W. E. Hamilton, Greensburg, Ind.; M. Anderson, Dayton; L. E. Benson, Indianapolis, Ind.

H.

TOLEDO, O.—The Lucas County Horticultural Society met here November 14.

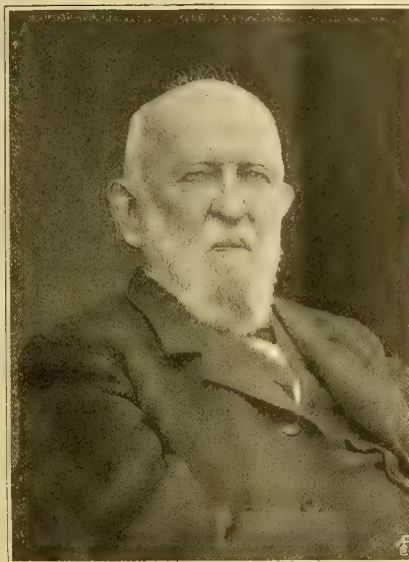
SPRINGFIELD, Mo.—The Greene County Horticultural Society met here November 2.

TORONTO, ONT.—John H. Dunlop is planning to move his greenhouses to Brampton, as the property on which his plant is located in this city has become too valuable for greenhouses.

OBITUARY.

Charles Dingee.

Charles Dingee, founder of the well known firm of Dingee & Conard, notice of whose serious illness appeared in our Nursery Department last week, died at his residence, West Grove, Pa., November 28, in his eighty-ninth year. He was of French Huguenot parents, his father being one of the leading physicians of his day in and around Philadelphia and was a man of marked personality, while his mother was of the Welch family, closely associated with, if not a blood relation of William Penn. One brother survives, William Dingee, the designing engineer and inventor of the J. I. Case Co., for more than 40 years, who is now retired, and resides at 5811 Madison avenue, Chicago. He had one son and



The Late Charles Dingee.

one daughter by his first marriage, Wm. J. Dingee, now in Paris, France, and Mrs. Benj. Price of Atlantic Highlands. By his second marriage to Miss Lynch, sister of P. J. Lynch, the well known present head and active manager of the Dingee & Conard Co., and Heller Bros. Co., New Castle, Ind., there is one daughter, Mrs. George Barnard, wife of the present mayor of New Castle. Mr. Dingee founded the Dingee & Conard Co. in 1850. For the past 15 years, he has been practically retired.

Leopold Landreth.

Leopold Landreth, of Bristol, Pa., died December 1 in the sixty-eighth year of his age. He was educated at the Pennsylvania Military Academy and at Heidelberg, Germany, and was subsequently for nearly 30 years a partner in the seed firm of David Landreth & Sons, but in 1903 he retired from the seed business, though continuing to reside at Bristol.

Isaac Husbands.

Isaac Husbands died at his home in Bellevue, O., November 23, at the age of 75 years and 7 months. He was a native of England and had resided in America since early manhood. He learned the rudiments of the flower business and landscape gardening while yet in his native country. After living in Cleveland, O., for several years Mr. Husbands returned to England where he married Miss Alice

Gough, returning again to America in 1877. He was gardener for Dan P. Ellis of Cleveland for a long time but for about seventeen years had been a florist at Bellevue, until a year ago, when he sold his business to R. C. Arlin. Four children and the widow, Mr. Husbands' second wife, survive. The first Mrs. Husbands died nine years ago.

Walter Hart.

Walter Hart, a florist of Pontiac, Ill., died November 25 at the age of 79. Mr. Hart was born in England, but removed with his parents to this country when quite young. He had lived in Pontiac since 1873 and was one of the town's best known citizens. He was engaged as gardener at the state reform school for two years immediately after locating at Pontiac, but resigned to enter business for himself. The widow, four children and twelve grandchildren survive. The funeral was held at the Methodist Episcopal church Wednesday afternoon, November 27.

Charles C. Munsell.

Charles C. Munsell, a retired florist of Hartford, Conn., died November 19. He was 77 years old and had not engaged actively in business for the last six years. Mr. Munsell was a veteran of the civil war. He began the flower business as an employe of D. A. Spear, with whom he remained for 17 years, but eventually opened a store of his own and conducted it for a period of 16 years. He was a prominent member of the Lodge of Good Templars, the G. A. R. and the I. O. O. F. He leaves a daughter and two grandchildren. The funeral was held November 21.

Peter Kunst.

Peter Kunst, one of the pioneer florists of Grand Rapids, Mich., died November 26 at the age of 75. Mr. Kunst started what is now known as the Crescent Avenue Floral Co. in 1875. He was a native of the Netherlands but had made his home in Grand Rapids since 1865. Two sons, Peter and Cornelius Kunst, were associated with him in the business. He is also survived by the widow, two other sons, Louis and John Kunst, and a daughter, Mrs. Nellie Kramer.

Peter Lauch.

Peter Lauch, at one time a florist of Pittsburg, Pa., died recently, aged 82. He is survived by three sons and two daughters.

Davenport, Ia.

EVERYBODY SATISFIED.

Thanksgiving trade was quite satisfactory to all concerned with plenty of everything—with the possible exception of yellow chrysanthemums—to meet all demands. Some firms report an increase of perhaps 15 per cent over last year, while others claim about the same amount of business, with prices about the same. Chrysanthemums were, of course, first choice, yellow being in the greatest demand. Roses were plentiful, but hardly enough carnations came in. Lilies, callas, stevia, Paper Whites and Romans and violets added to the variety.

NOTES.

The weather has been quite mild and clear, and there ought to be a good crop on for Christmas. Poinsettias and azaleas at several of the establishments are coming alone fine.

The Tri-City Florists' Club was very fortunate in securing Pres. Vincent of the S. A. F. to deliver a lecture at the meeting of December 3.

T. E.

PITTSBURG, KANS.—Chas. Cignetti has completed his new greenhouse.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 60 PAGES WITH COVER

CONTENTS.

Suggestions for the holiday trade.....	1133
—Christmas plants	1133
—Poinsettias	1133
—Azaleas	1133
—Begonias	1134
—Primulas	1134
—Decorative plants	1134
—Begonia Gloire de Lorraine (illus.).....	1135
—Cyclamens	1135
—Fruited plants	1135
Do chrysanthemums pay?.....	1135
Florists' palms	1136
—Cultural notes	1136
The carnation	1137
—Some timely suggestions	1137
The rose	1138
—The compost	1138
—Tying and disbudding	1138
New trees in Arnold arboretum.....	1139
The retail trade	1140
—Basket vases (illus.).....	1140
—Thanksgiving in New York stores.....	1140
Hydrangea arborescens for Easter.....	1140
With the growers	1141
—Bobbink & Atkins, Rutherford, N. J.....	1141
—The Julius Roehrs Co., Rutherford, N. J.....	1141
Philadelphia notes	1141
Boston	1142
Washington	1142
Baltimore	1142
Detroit	1142
Cleveland	1142
Cincinnati	1143
Obituary	1143
—Charles Dingee (portrait).....	1143
—Leopold Landreth	1143
—Isaac Husbands	1143
—Walter Hart	1143
—Charles C. Munsell	1143
—Peter Kunst	1143
—Peter Lauch	1143
Society of American Florists	1144
Chrysanthemum Society of America.....	1144
National Flower show	1144
Milwaukee	1146
St. Louis	1146
Chicago	1152
New York	1160
Philadelphia	1162
Buffalo	1168
The seed trade	1170
—President Page takes vacation	1170
—Congressional seeds for next year.....	1170
—Parcels post	1170
—The seed importation act	1170
Market gardeners	1174
—Prices of indoor fruits and vegetables.....	1174
—Frost protection	1174
The nursery trade	1176
—The sugar maple	1176

CHARLES DINGEE, whose death is noted elsewhere, was perhaps the pioneer in the mail-order rose business in America and horticulture owes him a debt of gratitude for bringing roses into the homes of millions of people at a price which they could afford.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

As no objections have been filed, public notice is hereby given that the registration of the new rose Mrs. Charles Russell, by the Waban Rose Conservatories, Natick, Mass., becomes complete; and as no objections have been filed, public notice is hereby given that the registration of the cannas *Blanche Wintzer*, *Loveliness*, *Jennie Walls Fahnlne*, *Panama*, *Lorraine*, *Maid of Orleans*, *Sam Trelease*, and *Wonderful*, by the Conard & Jones Co., West Grove, Penn., becomes complete.

JOHN YOUNG, Sec'y.

November 23, 1912.

Chrysanthemum Society of America.

Chicago, November 23.—Improved Golden Chadwick, yellow sport of Golden Chadwick, scored 85, commercial, exhibited by C. C. Pollworth & Co., Milwaukee, Wis.

CHAS. W. JOHNSON, Sec'y.
Morgan Park, Ill.

National Flower Show.

In addition to the premiums already announced, Chairman C. H. Totty announces the following:

A. Lewisohn of Ardsley, N. Y., offers a silver cup, value \$150, for a display of roses in pots, covering 100 square feet; competition open to private estates only.

John T. Pratt, Glen Cove, N. Y., offers \$25 for a display of gardenia plants in pots.

Geo. T. Schuneman, Baldwin, N. Y., offers \$25 for award by the American Sweet Pea Society, in a display class.

Harry Balsley, Detroit, Mich., offers \$25 for award at the discretion of the committee.

Samuel Untermyer, of Yonkers, N. Y., offers \$50 for 50 feet of calceolarias, and \$50 for 50 feet of gloxinias, arranged for effect.

The Elberon Horticultural Society offers a silver cup, value \$25, to be awarded as desired by the committee.

The Chrysanthemum Society of America offers \$10 for the best specimen plant of *Marguerite* in the show.

The Southampton Horticultural Society offers \$25 or a cup of equal value, to be competed for by private gardeners only.

The Tarrytown Horticultural Society offers a sterling silver cup for award in the discretion of the committee.

The Perpetual Carnation Society of England offers its gold, silver gilt and silver medals, to be awarded at the direction of the American Carnation Society.

The Paterson, N. J., Floricultural Society offers a cup, value \$20, class to be announced later.

M. C. Ebel, of the Aphine Mfg. Co., Madison, N. J., offers two cups, one \$50 and the other \$25 in value, for the best table decoration.

Geo. Burnett offers a silver cup, value \$25, class to be announced later.

C. B. Weathered offers a silver cup, value \$25, class to be announced later.

The last three above mentioned prizes are for competition by members of the National Association of Gardeners only.

W. T. Carrington, Portchester, N. Y., offers \$100 for the best display of annuals in pots.

The Horticultural Club of Boston offers \$100 for the best miniature landscape garden, to be worked out in living trees and shrubs, and to occupy a space of 15x20 feet.

J. H. PEPPER,
Chairman Publicity Committee.

Montreal.

CLUB'S ANNIVERSARY.

The Montreal Gardeners and Florists' Club celebrated its twenty-fifth anniversary with a grand dinner at Coopers, Ltd., 103 Notre Dame street west, Friday, November 29. The large hall was beautifully decorated under the supervision of President Wm. C. Hall. A large vase of the new rose *Milady*, from A. N. Pierson, Inc., Cromwell, Conn., was admired by all. About two hundred sat down to a splendid menu.

Jas. McKenna, who was the first secretary, read from the old minute book which contained the early history with all the old names of members at that time, and then he called upon all the charter members to rise, of whom twelve responded, among them Jos. Bennett, Jas. McKenna, John Doyle, John Dunlop, Geo. Trussel, John Walsh, J. Perrin, Geo. Huggins, John Eddy, A. C. Wilshire, A. Meyer. President Hall reminded those present that none of them looked any older than they did 25 years ago and all should be able to attend the fiftieth jubilee when still greater strides will have been made than in the last twenty-five years. "Sister Societies" was responded to by Walter Muston for the Canadian Horticultural Association, C. A. Smith for Lachine and J. Bales for St. Lambert. John Walsh spoke for "The Ladies." Geo. Pascoe was on hand with the Victoria Rifles Band.

Jos. Bennett of Lachine, who had been the club's first president twenty-five years ago, occupied the seat of honor. Geo. A. Robinson acted as toastmaster, a place he ably filled. A large bunch of telegrams of congratulations, and regrets at not being able to be present, from friends, were read by Mr. Hall. Among those present were: Walter Muston, president Canadian Horticultural Association; Herman Simmers, Toronto; H. B. Cowan, Peterboro; the professor of horticulture at Macdonald College; president of Lachine Horticultural Society; secretary of St. Lambert and secretary of St. Anne's Societies; Chairman R. Burrows of the Montreal Horticultural Society. The ladies had for the first time been included in the invitations to a club dinner and were there in great numbers, and in future ladies will be included in all the club's festivals.

The first toast, "The King," was heartily joined by all singing "God Save the King." "Canada" was replied to by Herman Simmers and H. B. Cowan. Responding to "The Club" Jos. Bennett gave a glimpse of conditions just before its formation and recounted the incidents which led to its organization. This was the first club in Canada, but shortly afterwards several others were formed. L.

Meetings Next Week.

Baltimore, Md., December 9, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Butte, Mont., December 13.—Montana Florists' Club, Columbia Gardens.

Chicago, December 11.—Gardeners and Florists' Union No. 10615, 230 North Clark street.

Cincinnati, O., December 9, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., December 9, 7:30 p. m.—Cleveland Florists' Club, Progress hall, 2610 Detroit avenue.

Davenport, Ia., December 12.—Tri-City Florists' Club, home of Wm. Goos, Bettendorf.

Hartford, Conn., December 13, 8 p. m.—Connecticut Horticultural Society, County building.

Madison, N. J., December 11, 8 p. m.—Morris County Gardeners and Florists' Society, Masonic hall.

New Orleans, La., December 8, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New York, December 9, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Omaha, Neb., December 12, 8 p. m.—Omaha Florists' Club, City hall.

Rochester, N. Y., December 9, 8 p. m.—Rochester Florists' Association, 97 Main street, east.

Springfield, O., December 9.—Springfield Florists' Club, office of the Good & Reese Co.

St. Louis, Mo., December 12, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.

Toledo, O., December 11.—Toledo Florists' Club.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted—High-class, artistic designer, salesman and store manager, is open for a permanent engagement. State salary and full particulars. GEO. E. LINDEMANN, Norwichtown, Conn.

Situation Wanted—Young man 23 years of age, desires to learn designing and decorating in a retail store. Formerly a grower of cut flowers. Address. Key 735, care American Florist.

Situation Wanted—By sober young man of 26; experienced in growing cut flowers and plants; capable of taking charge of section or commercial place; state wages. Address, Key 738, care American Florist.

Help Wanted—First-class greenhouse man for private place. Permanent position and good wages. References required. Address, 1918 East 40th St., Cleveland, Ohio.

Help Wanted—Man for general greenhouse work. Must be able to propagate shrubs, perennials, roses. Must be married man. State wages and give new references. Address, Key 733, care American Florist.

Help Wanted—Greenhouse man, single; experienced in growing of roses, carnations, mums, palms, etc., and be capable of taking charge of greenhouses. References required. Address, Key 732, care American Florist.

For Sale—Retail store in city of 16,000. Bargain. For full particulars address, Key 725, care American Florist.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—Retail store in City of New York, at a bargain; price \$800.00. Good location on a leading street in an excellent locality. Good reasons for selling. Address, A. F., care American Florist, 124 E. 24th St., New York.

For Sale—Modern vegetable greenhouse, three years old, 5000 ft. under glass. Hot water system, private water plant, 15 minutes drive to city market. All in bearing crop, 4 lots corner, good dwelling. Reason for selling, poor health. Address, OWNER, 999 Decatur St., Denver, Colo.

For Sale—Greenhouse Plant, three houses, 2500 feet of glass well filled with a full line of bedding plants; some outside stock. Good six room house, out-houses, city water, etc. Lot 63 feet by 376 feet, for \$4,000. Can vacate any time. Apply to, CAPITAL CITY NURSERY, P. O. Box 586, Atlanta, Ga.

For Sale—Three greenhouses; well equipped; filled with carnations, chrysanthemums, violets, ferns, etc. On account of other business will sell at a sacrifice. Located one hundred miles from Chicago in town of twenty-two thousand inhabitants. Good opening for the right party. Address, Key 737, care American Florist.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years. Key 730, care American Florist.

For Sale—A rare opportunity to purchase a 2-story brick building containing store and 3 flats, 2 barns, and a Florist's Business established 22 years, with 5 greenhouses with about 12,000 square feet of glass all the stock, car-load of pots, hot-bed sash, one horse, three wagons, harness and coal, only \$20,000; or will rent property and sell only stock, sash, pots, coal, horse and wagons at a reasonable figure. This is being sold on account of ill health. Those only meaning business need reply. Address, Key 736, care American Florist.

HELP WANTED.

Section foreman for Rose range, on up-to date place; wages \$15.00 per week. Address, Key 739, American Florist.

TO DRUM UP BUSINESS.

Advertiser has opening for hustling young man who can make good selling to florists. Salary and commission. Send full particulars in first letter to

Key 705, care American Florist.

Private Gardener.

Man for general work on small place or places in or near Chicago, is now open to engagement. Address

Key 734, care American Florist.

GREENHOUSES FOR SALE

IN WILLIAMSPORT, PA.

Population, - - - - 40,000

Will take half interest or sell outright.

DANIEL E. GORMAN, Florist

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,

KEY 726, care American Florist.

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

BOILERS FOR SALE

ATTENTION

Large Florists, Greenhousemen or Manufacturers!

Three Slightly Used Mercer Cast-Iron, Header Type, Sectional Heating Boilers

For either steam or hot water.

1 9-Section No. 27 Mercer, Grate 27x48 inches. Manufacturers rating for steam 2125 square feet, water 3500 square feet.

2 15-Section No. 36 Mercers, Grates 36x84 inches, manufacturers rating for steam 5550 square feet, water 9150 square feet.

All cast-iron parts as good as new, all bolts and nipples will be furnished new; any kind of fuel can be used. Inquire of

LeValley, McLeod & Co.

165 Lake St., Elmira, N. Y.

Immediate Delivery.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.,

440 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3 3/4 x 4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color, \$1.50. The large size, one color, \$2.70.

Cash with order.

American Florist Co.

440 S. Dearborn St. CHICAGO.



Copyright 1912 by
The American Florist Co.



THE POINT IS THIS:

It means a big saving to you to buy the quality of **Boxwood Sprays** that you can use every bit of.

It means a big loss to you when you pay for heavy wood.

We feel in position to recommend to the purchaser our **Boxwood Sprays** for good value in weight and quantity.

We guarantee the quality; can't do any more.

Price 50 lb. case \$7.50.

Special price on quantity orders. We use "Express Savings" shipping cases.

We ship successfully to all parts of the United States and Canada.

Pittsburgh Cut Flower Company

Introducers of FINE BOXWOOD SPRAYS

Salesrooms and General Offices, 121 Seventh Street,

Wholesale Growers of CUT FLOWERS

PITTSBURGH, PA.



The Herald NEW SCARLET CARNATION

Winner over all other Scarlet Carnations the Past Two Years.

Winner of first prize, best 100 red, St. Paul, 1912.

Winner of first prize, best 100 red, Cincinnati, 1911.

Winner of first prize, best 100 red, Cleveland, 1912.

The Herald is the Best Commercial Scarlet for you to grow, because it will produce more perfect flowers in a season than any other scarlet and bring a higher price than any other; because the flowers are all perfect; stem stiff and keeps the longest. All rooted cuttings guaranteed strong, well rooted and satisfactory in every respect.

Rooted Cuttings Ready January 1, 1913. Price, \$100 per 1000.

CHICAGO CARNATION CO.

30 East Randolph St.,

CHICAGO, ILL.

Milwaukee.

TRADE IS BRISK.

Thanksgiving business was very fine with a shortage of stock but with all orders pretty well filled. Carnations were very scarce in this market and the scarcity will continue unless bright weather sets in to help them along for the holidays. Roses are also scarce and bring good prices, with the greater demand being for yellow. American Beauties are also scarce but those that do come in are of a fine quality. Sweet peas are making their appearance but not in quantity. Lily of the valley is arriving in fine condition in sufficient quantity to supply the demand. Chrysanthemums are practically out of the market and there is also a scarcity of Easter lilies. Violets are still in quantity as well as in demand and there are plenty of greens to fill all orders.

NOTES.

C. C. Pollworth and wife shot a large doe on their hunting trip in the Iron County woods. Mr. Pollworth gave a venison dinner on December 30 to the officers and directors of the Calumet Club of which he is a member.

The C. C. Pollworth Co. is well pleased with Thanksgiving business. This firm is beginning to cut rather heavily from their carnations and expect to have a fine lot for Christmas.

The Holton & Hunkel Co. reports having had a very fine Thanksgiving trade. This firm is cutting some fine chrysanthemums which sell readily.

Gust. Rusch & Co. say they had an exceptionally fine Thanksgiving trade both in the city and shipping departments.

Theo. Boettcher is cutting some exceptionally fine mignonette which finds ready sale on the local market.

The Currie Bros. Co. report Thanksgiving better than ever with the entire force kept busy continually.

Nic Zweifel had quite a cut of carnations for Thanksgiving and all of a very fine quality.

The Holton & Hunkel Co. recently increased its capital stock from \$50,000 to \$125,000.

Walter H. Hummel & Co. contemplate opening a retail store shortly.

G. R.

Twin Cities.

PROSPEROUS OUTLOOK.

The business outlook in St. Paul and Minneapolis is good with continued prosperity apparently certain. The month of December will probably prove bigger in a business way than at any other time in the history of the flower trade, both for grower and retailer. People are buying luxuries and higher priced goods than in several years, which would indicate that there is general prosperity not only in this section but all over the country. Taken as a whole, this year is better than last. Indications point to the prospects of a bigger year next year than this. All claim to be running away ahead of last year at the present time, and have been during all this month. The empty ice boxes showed how successful the Thanksgiving business was.

S. S.

SIoux FALLS, S. D.—M. M. Strong, local greenhouse proprietor, has opened a cut flower store at 119 West Ninth street.

CHRISTMAS NUMBER

TO BE ISSUED

December 12,

JUST RIGHT FOR THE

Christmas and Holiday Trade

—The Best Paid—

CIRCULATION

—To the Trade in the Trade—

That means profit to you. No bogus inquiries that cost time and actual cash.

Count Uncancelled Orders Only.

No Underground Prices. Square Deal to All.

The small advertiser who can afford only an inch gets the same rate and the same consideration as any other patron. No ads. padded for effect at cut rates.

American Florist Co.
440 S. Dearborn St., CHICAGO.



Please mail advertisements early.

Wire Designs and Florists' Supplies



JOSEPH ZISKA,

Don't Fail to Write for Our Catalogue, as same is very suggestive. **The Most Complete Line of Wire Design Cuts ever listed.** Will be mailed free upon request.

Complete Stock of Holiday Goods

Place your orders now for **Wire Rings for Holly Wreaths.** They are made of bright market wire. In experimenting we found this the best, as the copper kind shows through the holly and spoils the effect.

Wholesale Florists' Supplies, 151-153 N. Wabash Ave., CHICAGO

Holly, Bouquet Green, Immortelles

Write for Prices :: **A. HENDERSON & CO.** 352 N. Michigan Ave. Phone, Randolph 2571, **CHICAGO**

St. Louis.

MARKET CLEANS UP WELL.

Thanksgiving Day was from all accounts satisfactory to wholesalers and retailers alike. There were a great many chrysanthemums on the market and a fair supply of roses and violets were cleaned up at good prices. Carnations were scarce, but there was not much of a call for them. Chrysanthemums, American Beauty roses and violets seemed to have the call. There was a good supply of all greens. Lily of the valley had a very good sale.

NOTES.

We regret to announce an accident to Frank Filmore, Sr., last Wednesday. The old gentleman, who is 88 years of age, slipped over a mat and broke his leg. It is feared that because of his advanced age recovery is impossible.

The Windler Wholesale Floral Co. had a fine stock of chrysanthemums, roses and lily of the valley, also some extra fine lilies. This firm has added an automobile to its delivery service.

George Walbert had a splendid Thanksgiving trade. He sold out completely and was also very busy with design work. He has added another automobile to his delivery service.

George Angermueller as usual had a fine supply of American Beauty roses and an especially fine supply of orchids and long stemmed California violets.

Mrs. M. M. Ayers had the best Thanksgiving trade in years. Her supply was grand of everything. She had a heavy call on double violets.

The Smith Wholesale Floral Co. was headquarters for home-grown violets and other stock and was completely sold out at good prices.

Adolph Brix, who returned from Europe recently, is now ready for business. He has procured several European novelties.

Charles Kuehn had a fine supply of lily of the valley, American Beauty roses and carnations, which he sold at good prices.

Mrs. Pelletier had a Thanksgiving decoration at the Mercantile Club. Over nine hundred chrysanthemums were used.

Henry Emmons of Belleville, Ill., is cutting some nice chrysanthemums. He expects to be cutting till Christmas.

H. C. Berning had an immense supply of chrysanthemums, roses and carnations which were sold at good prices.

J. J. Wunderli, grower for the Alexander Floral Co., was married November 27 to Miss Anna Urban.

Ed. Loyet did an immense trade Thanksgiving. His supply of chrysanthemums was sold out.

Ostertag Bros. will have the largest decoration in years for the coming out of Miss Marie Busch.

Grimm & Gorly had their hands full with wedding orders and other Thanksgiving parties.

Young & Sons had a very large trade both in plants and cut flowers.

Invitations for the Shaw Banquet, December 12, are out.

The Metropolitan Floral Co. reports splendid trade.

The Ellison Floral Co. reports good trade.

W. F.

Albany, N. Y.

With the advent of winter local florists notice an increase in business. Social life is becoming active and the retailers look forward to a busy season.

Meany & Tracey, who have recently removed their store, the Rosery, from 76 Maiden Lane to 23 Steuben street, report that they are pleased with the new location. Among the orders they recently filled for decorations were: One for the state federation of women's clubs in the new education building, consisting of bay trees in Italian jars, yellow chrysanthemums, palms, ferns and corsage bouquets for the officers, and one for the state convention of the Ladies' Catholic Benevolent As-

SEND TEN CENTS FOR A SAMPLE OF THE Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbons, at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH



"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog.

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

sociation, consisting of yellow chrysanthemums and violets for the banquet. For the decorations in the banquet hall about 1,000 yellow chrysanthemums and 5,000 violets were used.

R. D.



Holly

FANCY EASTERN.

Cut and packed in the swamps under the supervision of our own men from Chicago. Absolutely the choicest stock obtainable.

Per Case, \$4.50

3 Cases, \$13.00

5 Cases, \$20.00

2 to 3 carloads of fresh stock received daily.

Bouquet Green EVERGREEN WREATHING XMAS TREES, ETC.

Why do **Barnard's Xmas Decorations** lead in quality? Because we send our own men from Chicago to the different green countries to superintend the selection, cutting, and packing of **Holly, Bouquet Green, Xmas Trees, etc.** They are men of twenty years' experience and are well acquainted with the requirements of the most critical florists. They are instructed that **"the best is just good enough"** for our trade.

Our Wholesale List on all Xmas Decorations, Sundries, etc., Free for the Asking.

The W. W. Barnard Co., Seedsmen, 231-235 W. Madison St., Chicago



"Baby" Christmas Trees (SPRUCE)

A FEW years ago we introduced these beautiful miniature trees to the trade, and the supply each season has not equaled the demand. They are almost perfect in shape and in various heights of from 18 inches to 42 inches, with a spread of 12 inches to 42 inches. The base is firmly attached to a round block of selected white birch about 5 inches in diameter, and they are not only desirable for table decoration, but likewise suited for basket and other artistic work. We have arranged for an increasing number for the coming season, but urge early purchase for shipment as wanted.

Price, each.....	\$ 0.30
Dozen.....	2.50
Per 100.....	16.00

If you have not received our wholesale price list, we will mail it upon request.

Bouquet Green, Wreathing, Fancy Holly, Immortelles, Etc.

WINTERSON'S SEED STORE
166 No. Wabash Ave., CHICAGO

Blooming and Decorative Plants for Xmas

Large supply of exceptionally fine **Primula Obconica**, **Begonia** other item mentioned in this advertisement. You cannot obtain any better direct to us. All orders receive prompt attention.



Primula Obconica.

In bloom, best Grandiflora and Gigantea strains, a great many dark shades. 5-inch, \$3.50 per dozen.

Begonia Glory of Cincinnati.

In bloom, extra fine, strong plants, 5-inch pots 50c each, 6-inch 75c, 7-inch \$1 and \$1.50 each.

Cyclamen.

In bloom, extra fine stock, 5-inch pots 50c to 75c each, 6-inch 75c, 7-inch \$1 and \$1.50.

Christmas Peppers.

Finely fruited.
4-inch.....\$2.00 per doz.
5-inch.....\$4.00 to 5.00 per doz.

Dracaena Terminalis.

Fine color.
4-inch.....25c each; \$2.50 per doz.
5-inch.....50c each; 5.00 per doz.

We have an especially fine lot of **Poinsettia Pans**, finely colored at prices from 50 cents to \$2.00 each.

Azalea Indica.

In bloom for Xmas; just the stock you are looking for. Mostly in red and pink shades, from 75 cents to \$2.50 each.

Dracaena Massangeana.

Well colored, 6-inch..\$1.25 to \$1.50 each

Pandanus Veitchii.

Fine colored stock.
5-inch.....\$1.00 each; \$9.00 per doz.
6-inch.....1.50 each; 18.00 per doz.
7-inch...\$2.00 to 2.50 each; 24.00 per doz.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine TABLE FERNS, 12 varieties, 2 1/4 inch, \$25.00 per 1000; \$3 per 100; 500 at thousand rate; 3-inch, \$6 per 100; \$55 per 1000; 500 at thousand rate.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5 per dozen. 4 to 5 tiers, fine stock, 75c to \$1 each.

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes:

	Each	Per doz.	Per 100
6-inch.....	\$0.50	\$6.00	\$45.00
7-inch.....	.75	9.00	
8-inch.....	1.00	12.00	
10-inch.....	2.50	30.00	
12-inch.....	3.50		



Glory of Cincinnati, Azaleas, Cyclamen, Poinsettias, and every plants elsewhere, so save time, trouble and expense by sending your order



AZALEA.

Cibotium Schiedei.

6-inch.....\$1.50 each

Ficus Pandurata.

7-inch, 5 feet high.....\$4.50 each

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

Asparagus Plumosus.

4-inch strong.....\$10.00 per 100

All Freight Shipments
Travel at Purchaser's
Risk.

Greenhouses and Plant
Shipping Department,
Morton Grove, Ill.

PALMS.

Areca Lutescens.

7-inch.....\$2.00 each

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5 per dozen.
Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 per dozen.



PANDANUS.

Kentia Belmoreana.

	Height	Each	Doz.	100
4-in.....	12 to 15-in.	\$4.50	\$35.00	
5-in.....	15 to 18-in.	6.00	50.00	
5-in.....	18 to 20-in.	.75	9.00	
6-in.....	20 to 22-in.	1.00	12.00	
6-in.....	22 to 24-in.	1.50	18.00	
7-in.....	28 to 30-in.	2.50	30.00	
7-in.....	36 to 40-in.	4.50		
Specimens in tubs...each, \$8.00 to \$16.00				
Prices quoted on any special size upon application.				

Kentia Forsteriana.

	Height	Each	Doz.	100
4-in.....	14 to 16-in.	\$4.50	\$35.00	
5-in.....	20 to 24-in.	.75	9.00	
6-in.....	24 to 30-in.	1.00	12.00	
6-in.....	30 to 36-in.	1.50		
7-in.....	36 to 38-in.	2.50		
7-in.....	38 to 40-in.	3.50		
In tubs 44 to 50 in., \$7.00.				

Each
Made up in tubs 28 to 30-in.....\$ 3.50
Made up in tubs 30 to 32-in..... 4.00
Made up in tubs 40 to 42-in..... 5.00
Made up in tubs 44 to 46-in..... 7.00
Made up in tubs 50 to 60-in..... 10.00
Specimens in tubs...each, \$8.00 to \$16.00
Prices quoted on any special size upon application.

Our supply of stock is very large, but it is advisable to place your orders early so your plants will reach you in good time. Send your order in now.



KENTIA.

Send All Plant Orders Direct to

Poehlmann Brothers Company,

MORTON GROVE, ILL.

Plant Department

EXTRA FINE BEAUTIES,

Roses, Carnations, Lilies and Greens.

☐ Very select Flowers. ☐ Bound to give satisfaction.

PRICE LIST

Subject to change without notice.

AMERICAN BEAUTIES.

	Per doz.
Extra long	\$5 00
30 to 36-inch	3 00 to 4 00
24-inch	2 50
18-inch	2 00
12-inch	1 50

ROSES: MY MARYLAND, RHEA REID, RICHMOND, AARON WARD, KILLARNEY, WHITE KILLARNEY, SUNBURST, MELODY.

Extra long Sunburst, Ward, Rhea Reid.....	\$12 00 per 100
Extra long.....	8 00 per 100
Medium length.....	5 00 to 6 00 per 100
Short.....	4 00 per 100

CARNATIONS.

Good.....	Per 100 \$4 00 to \$5 00
FINE EASTER LILIES	per doz., \$2 00
Easter Lilies	per 100, \$12 00 to \$15 00
Lily of the Valley	3 00 to 4 00
Paper Whites	
Smilax	per doz., \$1 75 to \$2 00
Asparagus Sprays	2 00 to 4 00
Sprengeri	2 00 to 3 00
Adiantum	1 00 to 1 50
Leucothoe Sprays	0 75
Galax, Green or Bronze	per 1000, 1 00
New Ferns	per 1000, \$2 00
Mexican Ivy	per 1000, 6 00

All Seasonable Flowers at market prices.

BASSETT & WASHBURN

Store and Office, 131 N. Wabash Ave.
Phone, Central 1457.

CHICAGO

Greenhouses, HINSDALE, ILL.

Chicago.

THANKSGIVING TRADE.

The Thanksgiving trade this year with most of the wholesalers was very good and in nearly all cases reported much better than that of last year. One large dealer said that in former years the Thanksgiving sales did not equal more than those of a good Saturday but that this year they were extremely large and exceeded all expectations. The supply of roses and carnations was far too short and was sold at an early hour. Long stemmed American Beauty roses were scarce and in some instances the extra fancy flowers sold for as high as \$6 per dozen, but the majority of the specials brought \$5. The supply of short American Beauty roses was more plentiful but the quality of these flowers was none too good. White roses were very conspicuous but cleaned up well after the supply of colored ones was sold. Killarney in a great many cases was decidedly off color but even at that they were bought up quickly. Richmond sold well and the quality of the stock that was offered was very good. Roses in general had a good call and there was no surplus stock in sight when the day's sales were over. Last year the supply of carnations for Thanksgiving was large and the stock sold at low prices; this year it was just the opposite and anything that looked like a carnation was quickly sold. The red sold first and many sales for the extra select stock were reported at \$5 per 100. The average price, however, for carnations of good quality was about \$3 and \$4 per 100. The supply of chrysanthemums as last year was large and there were plenty of these flowers to go around. The varieties to be seen in largest quantities were W. H. Chadwick, Golden Chadwick, Timothy Eaton, Yellow Eaton, Mayor Bonnaffon,

White Bonnaffon, Nagoya, Dr. Enguehard, besides a fair supply of a few other late varieties. Pompons and anemones were also to be had in large quantities but had a very good call. The best chrysanthemums were sold for \$3 per dozen and \$20 per 100, although much inferior stock sold for less. Last year, generally speaking, the late chrysanthemums averaged better prices, but this year it was the early varieties that commanded the high prices. The supply of lily of the valley was short and the demand was very brisk. The demand for violets for Thanksgiving was not as good as former years and this stands good for the entire season. Orchids, especially cattleyas, sold well and the better flowers sold for about \$6 to \$7.50 per dozen. Gardenias were in fairly good supply but sold quickly at prices ranging from \$2 to \$4 per dozen. Sweet peas were none too plentiful but Paper White narcissi were seen in abundant supply at several houses. Mignonne and stevia, especially the latter, were very plentiful and had very little call. Greens were plentiful and no shortage of any kind was reported. Monday, Tuesday and Wednesday were the big days, but the market was quite brisk on Thanksgiving morning. The retail stores did not do much business until the afternoon of the day before Thanksgiving, which was quite unusual compared to former years. The day after Thanksgiving stock was very scarce and commanded better prices than it did the day before. Trade was very good the latter part of last week and continued so until Tuesday, December 3, when business fell off considerably. There is not much stock in the market however and a few large orders would clean it up quickly. White roses are the most plentiful and lilies are very scarce. Carnations are still bringing fancy prices with very little stock obtainable.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

U S Budlong's E Blue Ribbon Valley.

NOTES.

A. L. Vaughan & Co. had a good Thanksgiving trade and took care of all their regular customers in fine shape. Wm. E. Lynch and his assistants have been busy for several days bunching up a fine grade of boxwood.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

GUT FLOWERS

CATTLEYA SCHRODERAE.....per doz., \$4.00

DENDROBIUM FORMOSUM (White).....per doz., \$3.00 to 5.00

We are cutting a large supply of these **ORCHIDS** now. We make these low prices to put them in reach of all. They are especially desirable for Weddings and Table Decorations.

RED BERRIES, extra large cases.....per case, \$3.00

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases only.....per case, 5.00

CURRENT PRICE LIST

Subject To Change
Without Notice.

AMERICAN BEAUTIES	Per Doz.
Specials.....	\$6.00
36-inch.....	5.00
30-inch.....	4.00
24 inch.....	3.00
20-inch.....	2.00
Short stem.....	per 100, \$10.00 to 12.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.	Per 100
Long.....	\$10.00
Medium.....	8.00
Short.....	4.00 to 6.00
MELODY, long.	8.00 to 10.00
Medium.....	6.00
Short.....	4.00
MRS. AARON WARD.	
Long.....	8.00 to 10.00
Medium.....	6.00
Short.....	4.00 to 6.00
Extra special Roses, charged accordingly.	

LADY HILLINGDON.	Per 100
Long.....	\$8.00 to \$ 10.00
Medium.....	6.00
Short.....	4.00
RICHMOND.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
WHITE KILLARNEY.	
Long.....	8.00
Medium.....	6.00
Good short.....	4.00
VIOLETS, Princess of Wales.....	1.25
Double, New York.....	1.00
Double, Glencoe, home-grown.....	1.50

CARNATIONS.....	Per 100
ORCHIDS, White Dendrobium, dz.....	\$3.00, \$4.00 and \$5.00
CATTLEYS.....	per doz., \$6.00 to 9.00
EASTER LILIES.....	12.00
VALLEY.....	\$3.00, \$4.00 and 5.00
NARCISSUS, Paper White.....	\$3.00 to 4.00
ADIANTUM CROWEANUM.....	1.00
MEXICAN IVY.....	per 1000, \$5.00 .60
SMILAX.....	16.00
SPRENGER, PLUMOSUS SPRAYS.....	3.00 to 4.00
STEVIA.....	2.00
PLUMOSUS STRINGS, extra long and heavy.....	each, .60
FERNS.....	per 1,000, 2.00
GALAX.....	per 1,000, 1.25
LEUCOTHOE.....	per 100, .75

Supply Department

For Quick Delivery on Xmas Supplies:

RED RUSCUS, RUSCUS WREATHS, STATICE and IMMORTELLS.

We can guarantee that our Red Ruscus will not mold.

A FULL LINE OF RIBBONS, CHIFFONS, WHEAT SHEAVES, ETC.

GIVE US A TRIAL.

CUT FLOWERS

AMERICAN BEAUTIES

Killarney, White Killarney, Richmond, My Maryland, Sunburst Roses and Carnations

 **Place Your Xmas Orders With Us Now.** 

¶ The stock in all of our greenhouses at present throughout our entire range (third largest in this country) is in the best of condition and promises large crops for the holidays. ¶ The supply with us this Christmas will be the largest ever, so we want a few more customers right away. ¶ Our stock is the best obtainable, and prices are the most reasonable. ¶ Get busy and make up your order now and let us hear from you as soon as possible. ¶ Buy **Wietor Bros.' Flowers** and be merry Christmas.

Watch for Our Christmas Price List Next Week.

Current Price List--Subject to Change Without Notice.

American Beauties

	Per Dozen.		Per Dozen.
48-in. stems	\$4.00	24-in. stems	\$2.00
36-in. stems	3.50	20-in. stems	1.50
30-in. stems	3.00	15-in. stems	1.00

Killarney

	Per 100
Extra specials	\$8.00
Fancy	6.00
Medium	4.00
Good, Short stems	3.00

Richmond

	Per 100
Extra specials	\$8.00
Fancy	6.00
Medium	4.00
Good, Short stems	3.00

My Maryland

	Per 100
Extra specials	\$8.00
Fancy	6.00
Medium	4.00
Good, Short Stems	3.00

White Killarney

	Per 100
Extra specials	\$8.00
Fancy	6.00
Medium	4.00
Good, Short stems	3.00

Jardine

	Per 100
Fancy	\$8.00
Good	6.00
Short	\$3.00 to 4.00

Roses, our selection - \$3.00

Carnations

	Per 100
Extra Special	\$4.00
Fancy	3.00
Good	2.50
Harrisii, per dozen	\$12.50 to \$15.00
Ferns, per 1000	\$2.00
Smilax, per dozen	2.00
Adiantum, per 100	\$1.00 to 1.50
Galax, per 1000	1.00
Sprengeri, per bunch	50c
Asparagus Sprays, per bunch	50c

WIETOR BROTHERS

162 North Wabash Avenue,

CHICAGO, ILL.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS



L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

CUT FLOWERS MUMS VIOLETS CARNATIONS ROSES--VALLEY and Greens POINSETTIAS

In Large Supply from now until Christmas

CURRENT PRICE LIST:

Grade	A	B	C	D	E	F	G
Beauties.....per dozen	\$ 5.00	\$ 4.00	\$ 3.00				
Killarneys.....per 100	10.00	8.00	6.00	\$5.00	\$4.00	\$3.00	
White Killarneys.....	10.00	8.00	6.00	5.00	4.00	3.00	
Richmonds.....	10.00	8.00	6.00	5.00	4.00	3.00	
My Maryland.....	10.00	8.00	6.00	5.00	4.00	3.00	
Perle.....	10.00	8.00	6.00	5.00	4.00	3.00	
Ward.....	10.00	8.00	6.00	5.00	4.00	3.00	
Carnations.....	5.00	4.00	3.00	2.00			
Easter Lilies.....	15.00	12.50					
Orchids, Cattleyas.....	50.00	40.00					
Lily of the Valley.....	4.00	3.00					
Violets, double.....	1.25	1.00					
Single.....	1.00	.75					
Chrysanthemums.....per doz.	4.00	3.00	2.00				
Pompons.....per bunch	.75	.50	.35				
Paper White Narcissus.....per 100	4.00	3.00					
Stevia.....	1.50						
Asparagus Plumosus Sprays.....per 100	4.00	3.00					
Asparagus Sprengeri Sprays.....	4.00	3.00	2.00				
Boxwood.....per lb.	.25						
Smilax.....	20.00	15.00					
Adiantums.....	1.00	.75					
Mexican Ivy.....	.50						
Galax, Green or Bronze.....per 1000	1.00						
Ferns.....	2.00	1.50					

The Florists' Club has been unable to secure a hall sufficiently large for the next regular meeting at the old quarters and will meet in the crystal room of the Hotel Sherman December 5, at 7:30 p. m., when the election of officers will be held. The lecture by Richard Vincent, Jr., which the ladies are invited to attend, will start at 9 o'clock. The ladies' waiting room will be found on the same floor as the crystal room.

S. A. Jamieson, with the Universal Portland Cement Co., will resign his position on January 1, 1913, to accept a position with the Geo. M. Garland Co. of Des Plaines. Mr. Jamieson will represent the Garland company in the Northwest and will open a branch office at either St. Paul or Minneapolis, Minn.

Stollery Bros., the Wilson avenue florists, had a Boston fern sale at their store last week, when a large number of surplus plants were moved at a reduction in price of 25 per cent. This firm is building up a large trade and their neatly arranged window is always a good advertisement.

Peter Reinberg had a big supply of roses for Thanksgiving which enabled Tim Matchem to fill all his orders in full. The stock is still arriving in large quantities and the outlook for a big supply for the holidays is very encouraging.

Chas. W. McKellar has received a letter from Paul M. Palez, with Vestals, Little Rock, Ark., in which the writer states that he will again be a candidate for alderman on the democratic ticket.

There was a meeting of the experiment station floricultural advisory committee at Urbana, December 3, to consider plans for the future development of the greenhouse plant.

Vaughan's Seed Store has arranged a special bouquet green and holly

warehouse and shipping department for Christmas greens on the West Randolph market.

Joseph Foerster says that the Thanksgiving trade at Kyle & Foerster's store was very satisfactory and was beyond his expectations.

John Kruchten had such a big demand for his fancy grown gardenias for Thanksgiving that he was unable to fill all of his orders.

At Hoerber Bros' store roses and carnations are again the principal offerings now that the chrysanthemum season is nearly over.

Winterson's Seed Store is again on deck with a large supply of baby Christmas trees and is now busy booking orders for them.

Miss Mae McAdams, who is now attending the University of Illinois, spent Thanksgiving day here with her father, Andrew McAdams.

The J. B. Deamud Co. is supplying its trade with choice Paper White narcissi and local grown double violets.

John Michelsen, with the E. C. Ameling Co., says that violets did not average as good this season as last year.

Frank Pisternick, formerly buyer for the Ernst Wienhoeber Floral Co., is now with Canger & Bergmann.

Percy Jones was well pleased with his Thanksgiving business, which was one of the best ever.

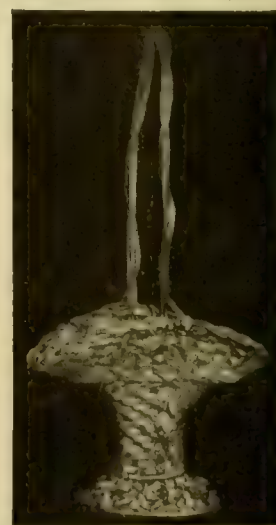
August Jurgens returned on December 1 from a delightful visit to Mississippi and Alabama.

Ed. Armstrong, formerly with A. Lange, has entered the employ of the Geo. Witthold Co.

Weiland & Risch had their share of the Thanksgiving trade and sold out at an early hour.

The A. L. Randall Co.'s supply department is busy filling holiday orders. Erne & Klingel find trade as brisk after Thanksgiving as they did before.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO

BEAUTIES

Good supply of Long, Medium and Short. Also a fancy grade of **Roses and Carnations**. Our crops are looking fine for Christmas and the indications are that we will have a very large supply. Send in your Christmas order to us as soon as possible and we will see to it that it will be filled to your satisfaction.

Current Price List.

Subject to Change
Without Notice.

AMERICAN BEAUTIES		Per doz.		Per 100
Extra Fancy Beauties		\$4 00 to \$5 00		
30-inch stems.....		3 00		
24-inch stems		2 50		
20-inch stems.....		2 00		
15-inch stems		1 50		
12-inch stems		1 00		
Richmond.....			Per 100	
Killarney.....	Extra select	\$10 00		
White Killarney.....	Select.....	8 00		
My Maryland.....	Medium.....	\$4 00 to 6 00		
Sunrise	Extra select.....			\$6 00
Mrs. Aaron Ward.....	Medium.....	\$6 00 to		8 00
Melody.....	Short.....	4 00 to		6 00
Roses, our selection.....				3 00
Harrisii.....	doz., \$1 25 to \$1 50			
Carnations.....	per 100,	3 00 to		4 00
Valley.....	per 100,	3 00 to		4 00
Violets.....				1 00
Adiantum.....				1 00
Asparagus, per bunch.....				50
Ferns, per 1000.....				2 00

Peter Reinberg

30 E. Randolph St., L. D. PHONE CENTRAL 2846. Chicago

Beauties, Roses, Carnations,

Sweet Peas, Violets, Chrysanthemums,

Paper Whites, and all other flowers in season. We carry a full line of Greens, and have just received a new shipment of fine **Boxwood**. Try some.

A. L. VAUGHAN & CO.

161 N. Wabash Ave.,

(NOT INC.)
PHONE Central 2571-2572
Automatic 48-734.

CHICAGO.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

CUT FLOWERS

— AND —

Greens of All Kinds

"The Busiest House in Chicago"

Can Supply Your Wants in All Kinds of

Cut Flowers and Florists' Stock

INCLUDING

BOXWOOD, - 50-lb. Case, \$6.50 WILD SMILAX, - 50-lb. Case, \$5.00
GALAX, - - \$1.00 per 1000 RED BERRIES, \$1.50 to \$3.00 per Case

Order Your Christmas Stock Now.

J. B. Deamud Co.

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago

Hoerber Bros.

Wholesale Growers of CUT FLOWERS

162 N. Wabash Avenue,

Telephone: Randolph 2578

CHICAGO

Cut Flowers AND GREENS

LARGE SUPPLY OF ALL KINDS

KENNICOTT BROS. CO. WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

Bassett & Washburn have received word from George Mount, the well known florist of Canterbury, England, that he was just elected mayor of that city. It will be remembered by many that Mr. Mount and his son Percy visited this city recently on their tour of this continent. Bassett & Washburn cut their last chrysanthemums this week, but these were followed by a new crop of American Beauty roses which are now demanding the attention of the store help.

A testimonial dinner was given by the friends of Joseph A. Mendel on the occasion of his retirement as a member of the board of Cook County Commissioners last Monday, December 2, at the Bohemian American Hall. The hall was artistically decorated for the occasion during which Mr. Mendel was presented with a beautiful diamond ring of much value. The trade was represented by Joseph Ziska and his sons, John Ziska and Joseph Ziska, Jr.

Edw. L. Martin and Henry Gabel left this week to book orders among the out-of-town growers for the Chicago Carnation Co.'s new scarlet carnation, the Herald. A. T. Pyfer is going to give a free excursion to his firm's greenhouses at Joliet soon when an invitation will be extended to all of the local growers to see this variety growing.

The Chicago Flower Growers' Association will feature cut poinsettias for Christmas as well as a full line of all other seasonable flowers and greens. The directors of this organization held a meeting at the store on December 4 when the usual business was transacted.

Poehlmann Bros. Co. was obliged to call in several of the men from the greenhouses at Morton Grove last week to assist the regular store force with the Thanksgiving trade. Business was very good at this house and much better than was expected. The plant department at Morton Grove announces the arrival of a large importation of roses for Easter forcing.

Phil Schupp is pretty busy these days looking after both the J. A. Budlong store and greenhouses during A. H. Budlong's absence. Wm. Homberg, his right hand store man, is a valuable assistant and keeps things humming while he is at the range.

Wietor Bros. are featuring a fine grade of American Beauties in addition to a large supply of roses and carnations. N. J. Wietor says that his firm's crops are going to be right for Christmas and that their supply will be larger than that of last year.

E. E. Pieser says that there was only about five per cent difference in Kennicott Bros. Co.'s sales of the day before Thanksgiving and the Saturday following. Of course this is due to the increase in prices which followed the holiday.

Zech & Mann are filling orders for fancy lilies this week, which are somewhat scarce. Mr. Zech says that trade is very good and that there does not seem to be any let-up at all.

Captain Scheunemann of the Christmas tree and greens schooner Rouse Simmons is reported lost in lake storm with crew of seventeen.

Robert Groves, the well known fern dealer of Adams, Mass., was a visitor on November 25, leaving the day following for Cincinnati.

Clean Newspapers

for lining shipping boxes

\$16.00 per ton.

F. O. B. Chicago.

In less than ton lots

\$1.00 per 100 lbs.

L. HOECKNER
(STOGIE)

1515 Clybourn Ave., Chicago.

Robert Northam says that Thanksgiving at George Reinberg's store in former years was only equal to a good Saturday, but that this year it was more like one of the big holidays.

Miss Gunterberg injured her left thumb quite severely one day this week while she was closing the door of her safe.

Visitors: F. L. Tornquist, Benton Harbor, Mich.; Wm. P. Craig, Philadelphia; Robt. Groves, Adams, Mass.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

— Send Your Orders for Seasonable Flowers to —

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Erne & Klingel

WHOLESALE FLORISTS

30 E. Randolph St., L. D. Phone Randolph 6578 CHICAGO

A Large Quantity of Killarney, White Killarney and other Leading Roses. Carnations, 'Mums, Pompons and Greens of all kinds.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones } Randolph 4708—Office.
 } Rogers Park 227—Nursery.

U S Budlong's E Blue Ribbon Valley.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Wholesale Flower Markets

CHICAGO, Dec. 4.	Per doz.
Roses, Beauty, specials.....	6 00
" " 36-in.....	5 00
" " 30-in.....	4 00
" " 24-in.....	3 00
" " 15-20-in.....	2 00
" " 12-in.....	1 00@ 1 50
" " Short.....	Per 100
" Killarney.....	8 00@ 12 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	4 00@ 10 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	4 00@ 10 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	4 00@ 10 00
Carnations.....	3 00@ 5 00
Cattleyas..... per doz.,	6 00@ 7 50
Chrysanthemums, doz.,	2 00@ 4 00
Pompons, bunch,	50@ 75
Gardenias.....	3 00@ 4 00
Lilium Harrisii.....	12 50@ 15 00
Narcissus, Paper White.....	3 00@ 4 00
Orchids, Dendrobium, per doz.,	3 00@ 5 00
Stevia.....	1 50@ 2 00
Violets.....	1 00@ 1 50
Valley.....	3 00@ 4 00
Violets, Princess of Wales.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood..... per lb.,	25
Ferns..... per 1000,	2 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000,	5 00
Plumosis Strings..... each,	50@ 60
Smilax..... per doz.,	1 50@ 2 00
Sprengerii, Plumosis Sprays.....	3 00@ 4 00

WIETOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing



YOU know that it's the customers that come back and buy again that count. Satisfied customers are the ones who come back and keep coming back.

Just for example—there's Mr. Willig of Poughkeepsie—It was along in 1900 that he bought his first Iron Frame house

of us—one 28x250 feet. Ever since then he has been replacing his old wooden ones and expanding his range until he has over 30,000 feet.

Every foot of them is Hitchings' construction. Starting in

Hitchings and Co., Elizabeth, N. J. and 1170 Broadway, N. Y.

a small way, as he did, he of course did not plan for a large central power plant, but kept adding boilers until now he has seven Hitchings' boilers, five of which are the new model sectionals. We could name you, off hand, dozens of men just like Mr.

Willig, whom we have built for year after year. It is the strongest argument any up-to-date builder can put up, that their houses are the houses to build. We will have a new construction to announce very soon.

New York.

BUSINESS MUCH BETTER.

Thanksgiving business was good and for the remainder of the week the wholesale market was in better condition than at any time this autumn. It is true that stock was not completely cleaned up, but the Thanksgiving trade went far toward the finish of the chrysanthemums and the supply suddenly waned. On November 29 and 30 few good chrysanthemums were on the market and while some scattering lots are yet likely to arrive, it seems impossible that they can longer continue to be leading factors. Noteworthy incidents of the trade were the "spurts" in the prices of carnations and lily of the valley, both of which practically doubled in price and are still keeping well up. For such carnations as Mrs. C. W. Ward and Alma Ward five and six cents was the ruling Thanksgiving price, this, of course, being for exceptionally long stemmed stock of these excellent varieties. Short stemmed stock went readily at three and four cents. The best lily of the valley sold for five and six cents, possibly some extra fine lots went higher. On Saturday, November 30, the market was nearer to a scarcity than it has been for a long time and some of the buyers roamed the wholesale district nearly all day. It touches the sensibilities of the seasoned buyer to have prices go up with a bound. However, present indications point to higher prices from now on till Christmas, which is but reasonable to expect, as there has been a long season of leanness. In roses there is some excellent stock of American Beauties on the market and prices have advanced. The tea roses are also doing better. Mixing stock, such as stevia and Paper White narcissus is plentiful. Violets are doing better and have crawled up to 75 cents a hundred, a few specials having sold for \$1 a hundred. There is also an upward tendency in orchids.

Monday, December 2.—There is an average supply of stock on the market this week but no surplus. Prices are keeping up to about what they were at Thanksgiving. The demand for special stock is lighter than for the medium grades. Weather, cloudy but mild.

NOTES.

Reports have reached this city that Miss Emily Pierson, daughter of A. N. Pierson of Cromwell, Conn., was painfully injured December 1 in a wreck on the New York, New Haven & Hart-

ford railroad at Willimantic, Conn. She was badly cut about the head and face by flying glass and one of her hands was also badly cut. It was at first reported that Miss Pierson, who is a beautiful woman, was disfigured for life, but later advices indicate that she will completely recover and escape with a few scars. Miss Pierson is a philanthropic woman and an eloquent speaker, is a champion of woman suffrage and has labored to ameliorate the condition of working girls.

One of the most elaborate dinner decorations seen in this city this season was arranged by J. H. Small & Sons at the Waldorf-Astoria November 30. It was for the St. Andrew's Society in celebration of its one hundred and fifty-sixth anniversary. The decoration was a beautiful display of heather, so dear to the hearts of all Scotchmen. Six hundred members and guests gathered round the festal board, among them Andrew Carnegie. The pipers skirled and there were speeches by Ambassador Bryce, Dr. Henry Van Dyke and others.

The Warendorf Bros. store in the Ansonia Hotel is among the handsome stores of upper Broadway and is always doing business. It is at the Ansonia that their venerable mother makes her home and her four score years do not deter her from active interest in the business. Another of their stores is at Madison avenue and Fifty-ninth street, it being managed by one of the brothers. During the past week this store was very busy with a number of wedding decorations.

Reed & Keller's factory and florists' supply store, 122 West Twenty-fifth street, is now a very busy place. Mr. Reed, it will be remembered, is the inventor of some of the most useful appliances in the supply business and their business with jobs all over the country is simply immense. Mr. Keller is always active in pushing their local trade.

General Manager Joseph Millang of the New York Cut Flower Co. is feeling cheerful over the quality of roses that come in from the Scarborough and Briarcliffe ranges, and the carnations from the Cottage Gardens. The way they clean up makes him positively happy.

The store of Thos. Young, Jr., is always beautiful with the finest stock in the market. We recently noted an exceptionally fine window display of orchids here. His gardenias, grown at his Bound Brook, N. J., range, are praiseworthy features.

The MacNiff Horticultural Co., 62 Vesey street, continues to dispose of, at auction, great quantities of boxwood, conifers, rose bushes, bulbs, etc. R. MacNiff is the auctioneer, and it is needless to add that he can picture the merits of the stock in eloquent language.

Alfred Kotmiller, who recently opened a retail store on Madison avenue, is showing unique and artistic window decorations, one of his latest efforts being along the line of the old-fashioned bouquet.

Moore, Hentz & Nash have been handling during the past week exceptionally fine American Beauty roses from the Bedford Flower Co., Bedford Hills, N. Y., and from Henry Hentz, Jr., Madison, N. J.

Though chrysanthemums of the show varieties are growing scarce, Philip F. Kessler of the Coogan Building has during the past week been handling very fine stock. Good stock is Phil's hobby.

The feature of Thorley's House of Flowers during the past week was the grand display of heather in the large show windows which was finely contrasted by large hanging baskets of foliage plants.

Thos. Barker, who with his brother has growing interests at Morristown, N. J., has associated himself with Siebrecht & Siebrecht in the wholesale business at 136 West Twenty-eighth street.

At Alexander McConnell's they have had a very busy week. The Thanksgiving business was heavy and decorations for weddings and other social affairs made a rush of work.

There is no doubt that from now on to Christmas the plant trade will loom large, for the growers and dealers have the finest collection of plants ever seen in this city and vicinity.

Chas. F. Lawrence, a young man well known in the retail trade, has opened a store at 344 Columbus avenue, near the American Museum of Natural History.

Charles Millang varies the monotony of selling flowers by occasionally selling an automobile. He recently sold a fine delivery car to the Colonial Florists.

A feature of the carnation trade is the fine Mrs. C. W. Wards which M. C. Ford is receiving from the Henry Hession range, Flatbush, N. Y.

There has been great activity at the store of the S. S. Pennock-Meehan Co. during the past week and much fine stock has been disposed of. A. F. F.

PHILADELPHIA



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

WASHINGTON



Badgley, Riedel & Meyer, Inc.

WHOLESALE FLORISTS

34 West 28th St., NEW YORK.

PHONES 1664 Madison Sq.

Consignments Solicited

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St. NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST

OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Walter F. Sheridan

WHOLESALE FLORIST,

Telephones: 3532 and 3533 Madison Sq.

131 & 133 West 28th St. NEW YORK.

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Dec. 4. Per 100

Roses, Beauty, special.....	30 00@40 00
" extra and fancy.....	25 00@30 00
" No. 1 and No. 2.....	5 00@10 00
" Bride, Bridesmaid special.....	6 00@8 00
" extra and fancy.....	3 00@5 00
" No. 1 and No. 2.....	1 00@3 00
" Killarney, My Maryland.....	8 00@10 00
" extra and fancy.....	5 00@6 00
" No. 1 and No. 2.....	1 00@3 00
" Taft, Hillingdon, Aaron.....	1 00@8 00
" Ward.....	50@10 00
" Richmond.....	6 00@10 00
" Sunburst, special.....	4 00@5 00
" Mrs. Geo. Shawyer.....	4 00@6 00
Carnations.....	50 00@60 00
Cattleyas.....	2 00@40 00
Chrysanthemums.....	10 00@25 00
Gardenias.....	8 00@10 00
Lilies, Longiflorum and Harris.....	3 00@5 00
Lily of the Valley.....	2 00@3 00
Narcissus, Paper White.....	75@1 25
Sweet Peas, per doz. bunches.....	50@ 75
Violets.....	150@ 50
Adiantum Crownatum.....	1 50@3 00
Asparagus Plumosus, doz. bchs.....	1 00@1 50
Smilax.....	1 00@1 50

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756 Madison Square, NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq.

53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York Open for Cut Flower Sales at 6 o'clock every morning.

Desirable wall space to rent for advertising. V. S. DORVAL, Secretary.

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

SPHAGNUM MOSS

We have on hand 200 bales of fresh Sphagnum Moss which we want to move. Special price this week
1 Bale, \$1.75; 5 Bales at \$1.65 and 10 Bales at \$1.55 per Bale.

Put in your stock now and be safe for the winter.

WINDLER WHOLESALE FLORAL CO.,
1310 PINE STREET ST. LOUIS, MO.

CREPE PAPER

(FOR POT COVERS)

Water proof (all colors).....per 100. \$12.50
Pebbled, plicated (all colors)..... 14.00
Porto Rican Mats (all colors)..... 12.50
50 at 100 rate. Samples Free.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., St. Louis, Mo.

U S Budlong's E Blue Ribbon Valley.

Philadelphia.

NOVEMBER CLOSES WELL.

The last week in November was full of life and activity. Large quantities of flowers of all kinds were in such demand that in some lines the supply was not sufficient to go around. This was the case particularly with the various yellow roses. Bulgaria or Mrs. Taft also sold up every day. Carnations have shortened up, or the demand is better, for very little loose stock is seen in the commission houses. Any jar of good stock generally has a paper in the pot marked sold. Chrysanthemums were large in both supply and demand. The quality of the stock was excellent and good prices were realized for all grades. Bonnaffon, Yellow Chadwick, Yellow Eaton and Golden Eagle were the best yellows. Jennie Nonin, Lynwood Hall, Jerome Jones were the whites, with Maud Dean and the huge Rosetta the leaders in pink. The late pompons sold very well. The chrysanthemum men say this has been one of their best seasons. The violet has also been a factor and large quantities of both double and single were sold. Two foot-ball games, the Cornell-Pennsylvania contest on Thanksgiving Day, and the Army-Navy game on Saturday, made large demands for corsage bunches of violets. Gardenias are about equal to the demand. The higher grades are fine. Cattleyas are scarce and command high prices, although the growers say better figures were obtained at this time last season. Snapdragon

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Dec. 4.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
first.....	8 00@16 00	
Brides and Maids.....	4 00@10 00	
Killarney.....	3 00@10 00	
White Killarney.....	3 00@1 00	
Liberty.....	3 00@10 00	
Cattleyas.....	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Gardenias..... per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@ 5 00	
Marguerites.....	75@ 1 00	
Snapdragons.....	3 00@ 6 00	
Sweet Peas.....	40@ 50	
Violets, single.....	50@ 1 00	
double.....	75@ 1 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Dec. 4.		Per 100
Roses, Beauty, special.....	25 00	
extra.....	12 00@20 00	
No. 1.....	6 00@10 00	
Killarney.....	2 00@ 6 00	
My Maryland.....	2 00@ 6 00	
Richmond.....	2 00@ 4 00	
Asters.....	1 00@ 4 00	
Cattleyas.....	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli.....	2 00@ 4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@ 4 00	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, Dec. 4.		Per 100
Roses, Beauty, per doz., 1 00@5 00		
White and Pink Killarney.....	3 00@10 00	
Richmond.....	3 00@10 00	
Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@12 00	
Carnations.....	4 00@ 5 00	
Chrysanthemums, white yellow and pink..... per doz., 1 00@ 3 00		
Mums, Pompons, per bunch, 50		
Lilium Giganteum..... per doz., 2 00		
Lily of the Valley.....	3 00@ 4 00	
Violets, Wisconsin grown.....	75@ 1 25	
Adiantum.....	1 50	
Asparagus..... per string, 50		
Sprengeri, per bunch, 25@ 35		
Boxwood..... per bunch, 25		
Ferne, Fancy..... per 1000, 2 00		
Oak Sprays, prepared.....	1 00	
Wild Smilax, per case.....	85 00	

is a good seller and always clears up. Strange to say, American Beauty roses were one of the soft spots, there being a few too many for the demand. The quality is very good.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Mention the American Florist when writing

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Mention the American Florist when writing

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

Mention the American Florist when writing

HIGH GRADE BEAUTIES

More Beauties or better stock we have never been able to offer you during the month of December. You will find our stock well grown, clean foliage, fine large buds of a good color. When in the market for a quantity, let us quote you.

BOXWOOD SPRAYS, 50-lb. case, \$7.50.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Dec. 4.		Per 100
Roses, Beauty, special	35	00@40 00
" " fancy	25	00@35 00
" " extra	15	00@25 00
" " No. 1	10	00@15 00
" " No. 2	4	00@6 00
" Maid and Bride	3	00@6 00
" Pink Killarney	3	00@10 00
" White Killarney	3	00@10 00
" Richmond	4	00@12 00
" My Maryland	3	00@8 00
" Kaiserin	3	00@8 00
" Carnot	3	00@7 00
" Mrs. Taft	4	00@8 00
" Aaron Ward	6	00@10 00
Carnations	2	00@4 00
Chrysanthemums	6	00@20 00
Lilium Longiflorum	10	00@12 00
Lily of the Valley	3	00@4 00
Pink Japan Lily	3	00@4 00
Narcissus	2	50@3 10
Stevia		1 00
Swainsona		50@1 00
Violets		75@1 00
Adiantum Croweanum		75@1 50
Asparagus, per bunch	35@	50
Asparagus, Sprengerii	35@	50
Ferns	per 1000	\$2 00
Galax	per 1000	\$1 50
Smilax		15 00

BOSTON, Dec. 4.		Per 100
Roses, Beauty, best	20	00@40 00
" " medium	20	00@25 00
" " culls	6	00@8 00
" White and Pink Killarney	2	00@8 00
" " Extra	6	00@10 00
" Taft	4	00@12 00
" Cardinal	4	00@12 00
" Ward and Hillingdon	4	00@12 00
" Killarney and Richmond	2	00@8 00
" My Maryland	2	00@8 00
" Carnot	6	00@8 00
Carnations, select	2	00@4 00
Callas	8	00@12 00
Cattleyas	35	00@50 00
Chrysanthemums	8	00@16 00
Gardenias	20	00@25 00
Lilium Longiflorum	8	00@12 00
Lily of the Valley	2	00@4 00
Sweet Peas		50@1 00
Smilax	12	00@16 00
Violets, single		75@1 00
" double		50@75

CINCINNATI, Dec. 4.		Per doz.
Roses, Beauty	1 00@	5 00
" " Bride, Bridesmaid	2 00@	8 00
" " Killarney	2 00@	8 00
" " My Maryland	2 00@	8 00
" " Perle	2 00@	8 00
" " Richmond	2 00@	8 00
" " Taft	2 00@	8 00
Chrysanthemums, doz.	1 00@	3 00
Carnations	3 00@	4 00
Callas		12 50
Lilium Giganteum		12 50
Lily of the Valley	3 00@	4 00
Orchids	per doz.	6 00@7 50
Stevia	per bunch	25@35
Sweet Peas	per bunch	50@1 50
Violets	1 00@	1 25
" double	1 00@	1 25
Adiantum		1 00
Asparagus Plumosus	per bunch	25
Asparagus Sprengerii	per bunch	25

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street, BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO

Wholesale Growers of CUT FLOWERS and Jobbers of FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

St. Louis, Dec. 4.		Per 100
Roses, Beauty, medium	8	00@15 00
Roses, Beauty, short stems	3	00@6 00
" " Killarney	3	00@6 00
" " My Maryland	3	00@8 00
" " White Killarney	4	00@8 00
Carnations	3	00@5 00
Easter Lilies		10 00
Lilium Rubrum	5	00@6 00
Valley		4 00
Asparagus Sprengerii	2	00@3 00
Asparagus Plumosus, per bu.	35@60	
Ferns, New, Fancy		1 50

DENVER, COLO.—C. A. Benson has taken out a permit to build a greenhouse on South Grant avenue at a cost of \$5,000.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Mention the American Florist when writing

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

RED XMAS GOODS.

Order Yours From the House Where Quality Counts.

M. RICE & CO.

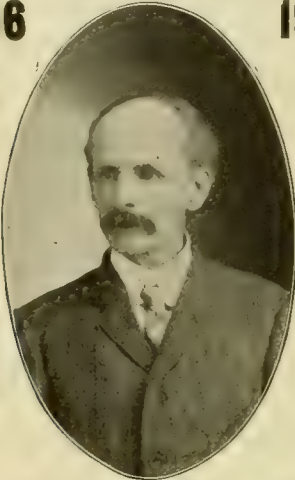
1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.
PHILADELPHIA, PA.

"Nothing can Improve on Nature."

1886

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAXIn unlimited quantities, twenty-four
hours' notice.PRICE, \$2.50 per case
Write, wire or phone.CALDWELL THE WOODSMAN CO.
Everything in Southern Evergreens.
EVERGREEN, ALA.**EVERGREENS.**

Arbor Vitae Clippings, 5 to 12 inches long, put
up in a neat case, net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long; per case \$2.00.

White Pine Clippings, 5 to 12 inches long, put
up in a neat case. Net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long. Per case \$2.00.

CHAS. F. UECKE, NEW LONDON, WIS.

FANCY HOLLY

\$3.00 per case.

Cash or satisfactory reference with first order.

W. Z. Purnell, Snow Hill, Md.

We are now filling orders for

Southern Wild SmilaxNatural and
Perpetuated Sheet**MOSSES**

E. A. BEAVEN, Evergreen, Ala.

Delaware HollyHeavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case.

14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN, Felton, Del.

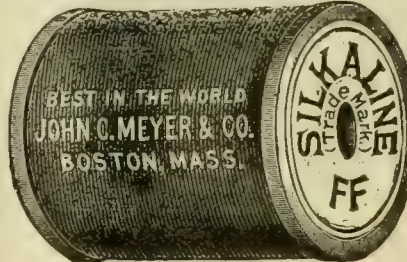
HOLLY Have 9 years' experience packing
holly in cases, 2x2x4. Parties want-
ing good quality Virginia Holly can have their
wants supplied by writing

T. J. Eubank, Brown's Store, Va.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga.

THE MEYER GREEN SILKALINEDo not take any Fake Green Threadless
Thread and More Wood.The BEST Thread on The Market
for FLORISTS and GROWERS.

Ask your jobber to supply you with this
Strong, Smooth Thread. For more than
a quarter of a century a Prime Favorite
with Growers and Florists.

Manufactured By—

JOHN C MEYER & CO.THE LOWELL THREAD MILLS
LOWELL, MASS.**FANCY FERNS, \$1.50 per 1000.**

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....50c per 1000, \$4.00 per case (10,000)
Green Galax.....40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....70c per 1000, 3.25 per case (5,000)
Fancy Fern.....65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.BEST
REFERENCES. BANNERS ELK, N. C.**BOUQUET GREEN**Best quality at lowest rates. We gather
our own Greens and bring by boat direct.

Christmas Trees and Boughs for Cemeteries.

Northern Michigan Evergreen Nursery,

H. Schuenemann,

S.-W. cor. Clark St. Bridge,

CHICAGO.

SPHAGNUM MOSS

12 bbl. bale, \$4.50.

Green turf and live sphagnum
MOSS.

\$1.50 per barrel.

JAMES DAY, MILFORD, N. H.

Notice to Florists

LARGE and SMALL BUYERS

I have the finest stock of FANCY and DAGGER
FERNS that was ever shipped from the east.\$1.00 per 1000; 5000 or over, 90c per 1000 for
the month of December.Robert Groves, 127 Commercial St.
ADAMS, MASS.**SOUTHERN WILD SMILAX**

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON,

Louisville, Ala.

SOUTHERN**Decorative Evergreens.**

Per 1000

Galax, good size and quality

\$0.40

Fancy and Dagger Ferns, .75

Green Leucothoe, short

lengths.....1.00

Green Leucothoe, long

lengths.....2.00

Write us for prices on large quantities and
regular shipments. Bronze goods will be ready
soon. Everything guaranteed to please.

Avery Co. Evergreen Co.,

ELK PARK, N. C.

George Cotsonas & Co.Wholesale and Retail Dealers
in all kinds of**Evergreens**

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

Mention the American Florist when writing

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Chicago.

A. LANGE,

25 E. MADISON ST.

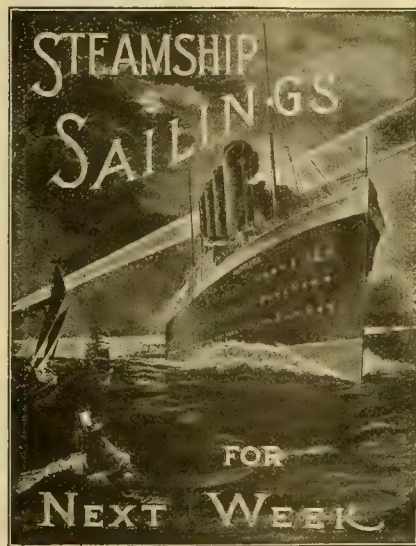
Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

December 10.

Mayaro, Trinidad.
Hypatia, Houston.
Siamese Prince, Prince.

December 11.

Zeeland, Red Star, 10 a. m., Pier 61, North River.
FROM BALTIMORE, Rhein, North Ger. Lloyd, 2 p. m.
Maracaibo, Red "D," noon, Pier 11, Brooklyn.

December 12.

FROM ST. JOHN, Grampian, Allan.
FROM PORTLAND, Scandinavian, Allan.
FROM ST. JOHN, Lake Erie, Allan.
La Lorraine, French, 10 a. m., Pier 57, North River.

Cedric, White Star, 12 noon.
FROM BOSTON, Canopic, White Star, 12 noon.
K. Augusta Victoria, Ham. Amer., 10 a. m.
FROM ST. JOHN, Saturnia, Donaldson.

December 13.

FROM ST. JOHN, Empress of Britain, 12 noon.
Caledonia, Anchor, 12 noon, Pier 64, North River.

Caronia, Cunard.
Chicago, French, 3 p. m., Pier 57, North River.
St. Paul, American, 9:30 a. m., Pier 62, North River.

Oceanic, White Star, 12 noon.
FROM PORTLAND, Teutonic, 10 a. m.
Kronprinzessin Cecelie, North Ger. Lloyd, 10 a. m.
Czar, Russian-American, 2 p. m.
Voltaire, Lampert & Holt, 1 p. m.

December 16.

FROM PHILADELPHIA, Prinz Adalbert, Ham. Amer., 11 a. m.

December 17.

Mauretania, Cunard.
FROM BOSTON, Arabic, White Star, 3:30 p. m.
Noordam, Holland-America, 10 a. m.

December 18.

Finland, Red Star, 10 a. m., Pier 61, North River.
FROM BALTIMORE, Brandenburg, North Ger. Lloyd, 2 p. m.
FROM ST. JOHN, Cassandra, Donaldson,

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.
NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamship or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

Mention the American Florist when writing

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Mention the American Florist when writing

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Kansas City, Mo.

Geo. M. Kellogg

Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Kansas City, Mo.

WILLIAM L. ROCK Flower Co.

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,

304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.



"Penn, The Telegraph Florist"

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Crump, Frank, Colorado Springs, Colo.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg P. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Snakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



WASHINGTON D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Indianapolis, Ind.

Bertermann Bros. Co. FLORISTS

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

The Park Floral Co.

J. A. VALENTINE,
President.

Members Florists' Telegraph Deliver

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. C. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,
—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

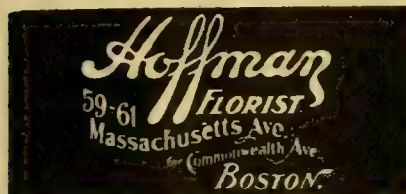
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Gay Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Boston—Philip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Colorado Springs, Colo.—Frank F. Crump.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex, McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 153 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. D. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES
FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's
Only the Best
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS

25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Helal)

236 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L. W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 6297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Buffalo.

THANKSGIVING TRADE GOOD.

Fall weather in all its variations has been the popular thing in Buffalo the past week. Trade for Thanksgiving was as a whole good and the supply of stock plentiful with the exception of carnations. Chrysanthemums, always depended upon to last until Thanksgiving, were plentiful but the quality not up to the standard, the unusually warm month hastening the end. Roses were plentiful and brought good prices for the day. There were not as many receptions and dances for the young lady and gentleman from college as in former years. The state teachers' convention also had a tendency to lessen the festivities as it was in session for three days and took up the time of many.

NOTES.

The smoke of election is just clearing and the first sign visible to the eye is for Mayor, Wm. F. Kasting. To say that it is not meeting with approval would be false. It will be hard to beat him.

The wholesalers upon whom the city depends for Christmas stock are well satisfied with the goods they will sell, and have no fear but that all in Buffalo will be well cared for.

Department stores are decorating for Christmas, which gives some florists large orders for laurel, the only green allowed by the fire underwriters for interior work.

Autumn foliage in the arrangement of chrysanthemums was quite generally used this year and was a much appreciated change from ferns and asparagus.

Miss Lindsay, bookkeeper at S. A. Anderson's, was called to her home at Fergus, Ont., last week on account of the death of her mother.

George Cramer is again at S. A. Anderson's.

BISON.

Decatur, Ill.

The growers have been active in building operations here this fall. John N. Bommersbach has just finished up three houses, containing in all 15,000 square feet of glass, and has installed a No. 6 Kroeschell hot water boiler, using three in cross connection for heating the entire range of 60,000 square feet.

The estate of Albert Bommersbach has just completed the erection of three houses totalling 15,000 square feet and has installed a steam heating system for the entire plant of 30,000 feet.

C. W. Harrod has built a greenhouse with a glass surface of 1,000 square feet.

BAD AXE, MICH.—G. M. Deady and son Alfred will build a greenhouse here next spring. Alfred Deady is now taking a course in floriculture.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections:

Member of the Florists' Telegraph Delivery.

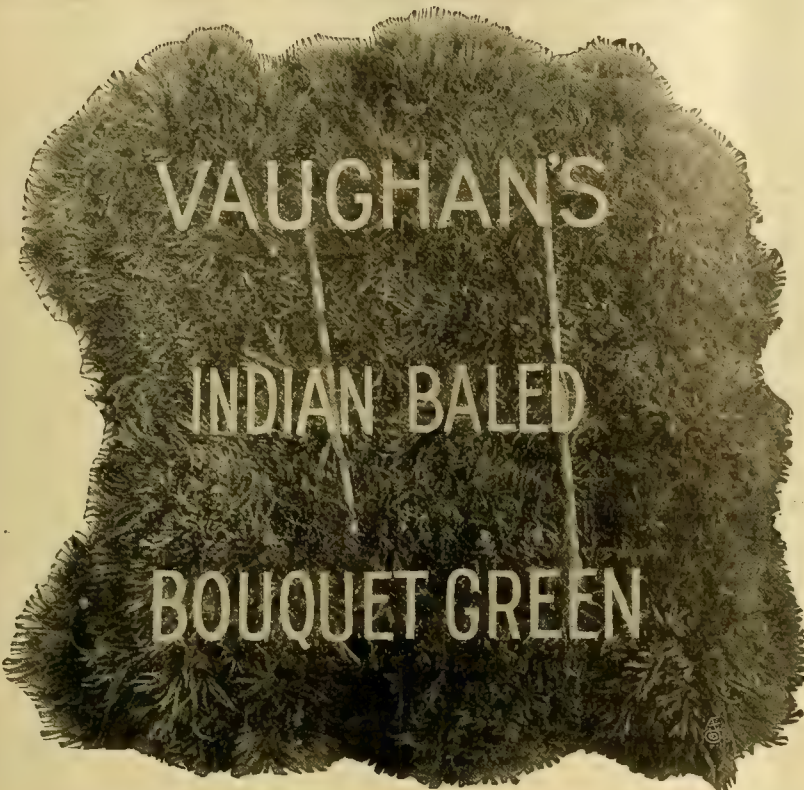
Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Mention the American Florist when writing



Bouquet
Green
XXX Holly
Boxwood
Laurel
Wreathing

Holly and }
Evergreen } **Wreaths**
Mistletoe and Immortelles
Write for our "Christmas List."



Write for Latest Market Prices---GREEN, BOXWOOD, HOLLY.

VAUGHAN'S SEED STORE, **Chicago and New York**

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Phoenix Roebelenii				
6-in.	6 to 7	28 to 30.....	1 50	18 00	Pot			Each	
Cedar tub	Leaves	In. high.	Each	Doz.	5-in., nicely characterized.....			\$1 00	
7-in.	6 to 7	34 to 36.....	2 50	30 00	6-in., 18 to 20-in. spread.....			1 50	
7-in.	6 to 7	40 to 45.....	4 00	48 00	Cedar tub	High	Spread	Each	
9-in.	6 to 7	42 to 48.....	5 00		7-in.	18-in.	24-in.....	\$2 00	
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	Spread	Cibotium Schiedel	Each	
9-in.	6 to 7	5 ft.....	8 00		7-in.	2 to 2½ feet.....		\$2 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	4 feet.....		4 00	
					9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO., **Wyncote, Pa.** **Railway Station, Jenkintown.**

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

J. M. THORBURN & Co.'s preliminary trade price list is out this week.

CHICAGO railroads are in some cases demanding prepayment on evergreen and holly freight shipments.

LEOPOLD LANDRETH, formerly of the firm of David Landreth & Sons, died at Bristol, Pa., December 1, in his sixty-eighth year.

OKLAHOMA CITY, OKLA.—Otto Bofinger, manager of the Lawrence, Kans., branch of the Barteldes Seed Co., has succeeded J. F. Hickey as manager of the local office.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.; J. W. Edmundson, of the California Seed Growers' Association, San Jose, Calif.; Theo. Cobb, representing D. M. Ferry & Co., Detroit, Mich.; A. T. Ferrell, Saginaw, Mich.; J. M. Kimberlin, of the Kimberlin Seed Co., Santa Clara, Calif.; A. E. Kunderd, Goshen, Ind.; Ernest O. Pieper, manager of the Braslan Seed Growers Co., San Jose, Calif.

CHICAGO.—Prices on the Board of Trade, December 4, for grass seed were noted as follows: Timothy, \$3.25 to \$4.25 per 100 pounds. Onion sets in storage have not improved during the continued mild weather. Some cases of sprouting are reported.—S. F. and J. C. Leonard, of the Leonard Seed Co., and Arnold Ringier, of the W. W. Barnard Co., are attending the Wisconsin canners' convention at Milwaukee this week.

President Page Takes Vacation.

Owing to his rather poor health recently, President Chas. N. Page of the American Seed Trade Association, has just started for California to be gone about six weeks. He will visit the seed growers in the Sacramento, Santa Clara, Arroyo Grande, and Ventura districts, where they are now planting onion, beet, carrot and other roots for seed production, ending his trip at San Diego, where he will spend the holidays with Mrs. Page and three children who are staying there this winter. He expects to return to Des Moines, Ia., about January 12 to 15.

Congressional Seeds For Next Year.

In connection with congressional vegetable and flower seeds, according to Secretary Wilson, of the department of Agriculture, in his annual report just received, there has been a steady improvement in the quality distributed, and that this has been appreciated is shown by the increased demand for them. That part of the congressional seed distribution covering vegetables and flowers for 1912-13 will require about 600 tons of material. These seeds will all be assembled, packeted and distributed by the first of April, 1913. In round numbers, about 61,000,000 packets will be put up and mailed. In addition, there will be special sets of cotton seed and special sets of seed adapted to dry farming.

Parcel Post.

President Page of the American Seed Trade Association writes as follows regarding the parcels post decision of the postmaster general:

"Seeds, cuttings, bulbs, roots, scions, and plants will be permitted in the parcels post mails, under regulations as to size and weight applicable to other parcels post packages, but at the rate of postage of one cent for two ounces or fraction thereof, regardless of distance.

"It will therefore be noticed that the decision is against us as to rate, but still seedsmen are permitted to send packages weighing as high as 11 pounds. There seems to be some question as to whether ordinary postage stamps, or the new distinctive stamps will be permitted on such parcels of seeds.

"This law should be corrected in such a way as to give horticulturists the option of using the parcels post rates if they so desire."

The Seed Importation Act.

The Secretary of Agriculture has designated Tuesday, December 10, 1912, as the date for a hearing on the rules and regulations to be promulgated by him for the enforcement of "An Act to regulate foreign commerce by prohibiting the admission into the United States of certain adulterated grain and seeds unfit for seeding purposes." The hearing will be held at ten o'clock a. m. in the office of the chief of the Bureau of Plant Industry, United States

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited.

Department of Agriculture, Washington, D. C.

This act prohibits the importation into the United States of all seed of alfalfa, Canadian bluegrass, Kentucky bluegrass, awnless brome grass, clover, meadow fescue, millet, orchard grass, rape, redtop and timothy when adulterated or when containing more than three per cent by weight of weed seeds. It also prohibits the importation of seed of alfalfa and red clover containing more than ninety dodder seeds per pound.

It prohibits the importation of seed of barley buckwheat, field corn, Kafir corn, flax, oats, rye, sorghum, and wheat intended for seeding purposes when such seed is adulterated or contains more than three per cent by weight of weed seeds.

LAMONI, IA.—The Farmers' Grain and Seed Co., a local concern, has been organized and incorporated, capital \$5,000.

LOS ANGELES, CALIF.—The Germain Seed Co. will set out 500 of the 5,000 acres of the Bernardo ranch it recently purchased in citrus trees. M. L. Howell of Escondido will have charge of the work.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE, CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,
Parsley, Parsnip, Salsify, Sweet Peas,
Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—



Giant Pera.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska****Japanese Grown
Callas Just Received**

Write for Prices.

—Wholesale only.—

YOKOHAMA NURSERY CO.,
31 Barclay St., NEW YORK.**Seed Packets.**Write for Samples
and Prices.**THE BROWN BAG FILLING MACHINE CO.,**
FITCHBURG, MASS.**BURPEE'S SEEDS**

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

GET QUOTATIONS FROM

LANDRETH

SEEDS which SUCCEED

Bloomsdale
Farm.**Bristol, Pa.****VALLEY VALLEY**

It pays to grow Bruns' early forcing Valley (new crop)

\$15.00 per 1000 \$8.00 per 500 \$4.25 per 250

Cold Storage, \$16.00 per 1000, \$1.80 per 100.

Bruns' Celebrated Chicago Market \$18.00 per 1000, \$2.00 per 100.

N. H. BRUNS, 3032-42 W. Madison St., CHICAGO**BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**
226-230 W. KINZIE STREET, CHICAGO**ONION SETS****GROWERS FOR THE TRADE**
Write for Prices.

Mention the American Florist when writing

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.**Waldo Rohnert**

GILROY, CAL.

Wholesale Seed Grower.Specialties: Lettuce, Onion, Sweet Peas, Aster.
Cosmos, Mignonette, Verbena in variety.
Correspondence Solicited.

CHOICE

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion**
Seed, delivery next fall, grown by T. M. Reid,
Port Orotova, Teneriffe.**CHRIS. REUTER,** New Orleans, La.**R. & M. GODINEAU,**
SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

PANSY SEEDGiant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.**S. S. SKIDELSKY & CO.,**
1215 Betz Building, PHILADELPHIA, PA.**Genuine Fresh
Tested Seeds**

Of the Crop of 1912.

We offer them in the following lines:
Fansies, Forget-Me-Nots, Daisies
(Bellis Perennis), **Asters, Stocks,**
Verbenas, and other **Annuals.**

Price List Free.

HESSE & CO.,Seed Growers, **Quedlinburg, Germany**

T-6

*Thorburn's Seeds*Florists will be interested in our
unusually comprehensive selec-
tion of high class seeds this year.Wholesale Price List
Ready in January.**J. M. THORBURN & CO.**

110 years in business in New York City

33 Barclay Street - - New York

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of

WATERMELON AND MUSKMELON SEED.**ENID, OKLAHOMA.**

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Contract Seed GrowersSpecialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

ONION SEEDS---ONION SETS.

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.

SCHILDER BROS., CHILLICOTHE, O.

Mention the American Florist when writing

For Fall Planting

Lilium Tenuifolium, Hansonii, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

Japanese LiliesSpec. Album, 9 in.-11 in. per 100.. \$13.00
Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in.-6 in., \$8.00 per 1000.**WEEBER & DON** Seed Merchants
and Growers.

114 Chambers Street, NEW YORK, N. Y.

Mention the American Florist when writing

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon,
Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Mention the American Florist when writing

**Cold Storage LILY OF THE VALLEY
FOR DECEMBER AND JANUARY FORCING.**

New crop should never be used for December or January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for December and January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Bulbs for Fall Planting and Forcing.

Bulb stocks are getting very scarce. If you have not covered your requirements, we advise placing order without delay. We can still supply the following stock, which we offer as long as unsold.

Hyacinths, Fine named. Best commercial sorts, viz., Albertine, Czar Peter, Charles Dickens, Gertrude Gigantea, La Grandesse, L'Innocence, La Peyrouse, Grand Maitre, King of the Yellows, Robt. Steiger, etc., \$4.00 per 100.**Hyacinths**, Separate colors, single. Pink, white, blue, yellow, \$2.50 per 100.**Tulips**, Darwin named. Europe, Pres. Roosevelt, May Queen, Mrs. Stanley, Gretchen, Flambeau, Bartigon, The Sultan, Isabella, Inglescombe Pink, Elegans Lutea, \$2.00 per 100.**Tulips**, May-flowering or Cottage, Byblooms, \$7.50 per 1000; Parrot Named, four sorts, \$1.00 per 100.**Tulips**, Double. Duke of York, La Candeur, Rose Blanche, \$1.00 per 100.**Narcissus**, Paper White Grandiflora, 13 c-m bulbs, 1,250 to the case, \$10.00 per case; 14 c-m bulbs, 1,000 to the case, \$10.00 per case.**Narcissus**, Alba Plena, Odorata, \$1.00 per 100; Orange Phoenix, Silver Phoenix, \$1.25 per 100.**Freesias**, French, Mammoth bulbs, \$9.00 per 1,000; Purity, \$12.00 per 1,000.**Spirea**, Gladstone, case of 100 clumps, \$8.00; Queen Alexandra, case of 100 clumps, \$11.00.**Lilium**, Giganteum, 7-9 inch bulbs, case lots of 300 bulbs, \$16.50; Giganteum, 8-10 inch bulbs, case lot of 225, \$20.00; Multiflorum, 9-10 inch bulbs, case of 200, \$17.00.**Gladiolus**, Colvilli Alba "The Bride," \$5.50 per 1,000; Peach Blossom, \$9 per 1,000.**Spanish Iris**, Mixed, \$3.00 per 1,000.**Callas**, Extra sized bulbs, \$10.00 per 100.**F. R. PIERSON CO.,** Tarrytown-on-Hudson,
NEW YORK.**Vaughan's Choice Forcing Stock****AZALEA MOLLIS.**Each Doz. 100
Bushy, full of buds.....\$0.50 \$5.50 \$36.00**DEUTZIA GRACILIS.**8-in. pots, 70-80 flowering branches.....\$0.30 \$3.00 \$20.00
6-in. pots, smaller stock,
good value......20 2.00 15.00**HYDRANGEAS FOR FORCING.**

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best on the market. A trial will convince.

Avalanche, Pure white.**Mme. Emile Mouilliere**, White crimped flowers.**Mme. Maurice Hamar**, Flesh pink.Any above, 3-4 flowering shoots,
each, 75c; doz., \$8.00.**Otaksa**, 3-4 flowering shoots, each, 50c; doz., \$5.00; per 100, \$40.00. 5-6 flowering shoots,
each, 75c; doz., \$8.00; per 100, \$65.00.**Souv. de Mme. Chantard**, Early dark pink,
3-4 flowering shoots, each, 85c; doz., \$9.00;
per 100, \$70.00.**BABY RAMBLERS.**

Dormant, Field-Grown Budded Stock.

CRIMSON BABY.Each Doz. 100
2-year.....\$0.20 \$2.00 \$14.00
3-year......25 2.50 16.00**JESSIE.**2-year......25 2.50 18.00
3-year......30 3.00 20.00**ORLEANS.**

2-year......30 3.00 20.00

PHYLLIS.2-year......20 2.00 16.00
3-year......25 2.50 18.00**CHICAGO**31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK

25 Barclay St.

**HYDRANGEA.****RHODODENDRONS.**

Best named varieties, all colors.

Each Doz.
Bushy plants, 8 to 12 buds\$1.00 \$ 9.00
Bushy plants, 12 to 18 buds 1.25 12.00
Bushy plants, 18 to 24 buds 2.00 20.00

Also a few Pink and White Pearl at a 50 per cent increase on these prices.

The Early Advertisement Gets There.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES, Natick, Mass.

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

**Contract Growers of
High Grade Seeds**

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Ferns for Dishes

Best varieties, 2 1/4-in., \$3.50 per 100 \$30.00 per 1000.

500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000

Whitmani Compacta (new), to take the place of Whitmani. A better commercial fern; 2 1/2-in., \$6.00 per 100; \$50.00 per 1000.

Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Mention the American Florist when writing

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

J. L. DILLON

**Wholesale Grower of
Roses, Carnations and Verbenas.**

Bloomsburg, Pa.

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

**THE CONARD & JONES CO.,
West Grove, Penna.**

ROSES

A SPECIALTY.

**The Dingee & Conard Co.,
WEST GROVE, PA**

Double Your Returns

You can do it by double cropping your
Carnation Benches with

GLADIOLUS

Grown as a catch crop. These Bulbs
are grown on our own farms.



Mrs. Francis King.

Gladiolus

Per 1000

Mrs. Francis King.....\$18.50

Augusta..... 16.00

America..... 30.00

Chicago White 65.00

May..... 25.00

Florist Mixture..... 15.00

Spiraea Clumps

Per 1000

Gladstone.....\$ 8.50

Floribunda..... 7.00

Japonica..... 5.50

Lilies

Giganteum, 7-9..... 55.00

" 9-10,..... 95.00

Multiflorum, 7-9,..... 50.00

VAUGHAN'S SEED STORE,

NEW YORK.

Forcing Spiraea Clumps, Gladiolus, Etc.

Spiraea Gladstone.....	Per 100 \$8.50	Spiraea Superba.....	Per 100 \$ 6.00
Spiraea Florabunda.....	5.00	Spiraea Queen Alexandra....	10.00

GLADIOLUS FORCING STOCK.

Blushing Bride and The Bride.....	60c per 100, \$ 5.00 per 1000
Peachblow, delicate pink.....	\$1.00 per 100, 9.00 per 1000
America.....	3.50 per 100, 20.00 per 1000
Mrs. Francis King.....	2.00 per 100, 18.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

R^B O^E S^S E^t S^s

**THE LEEDLE FLORAL COMPANY[®]
SPRINGFIELD-OHIO.**

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 2.—Mushrooms, 20 cents to 50 cents per pound; lettuce, five cents to 10 cents, small cases; tomatoes, 75 cents to \$1.35 for 10 pounds; radishes, 10 cents to 25 cents per dozen bunches.

New York, November 30.—Cucumbers, 75 cents to \$1 per dozen; mushrooms, \$1.25 to \$2.25 per 4-pound basket; tomatoes, 10 cents to 20 cents per pound; lettuce, 25 cents to 50 cents per strap.

Frost Protection.

On an extensive truck farm the protection of crops against frost in the fall is a serious problem. It entails much labor and also skill as under our variable climate it is as easy to err one way as the other. A little too early or too much covering may mean as complete a loss by heating as insufficient protection would mean by freezing. When we realize that we operate under a possible range of temperature of from 70° above to 25° below zero, of various durations, and coupled with all kinds of degrees of moisture, also high winds, the task cannot be considered easy. It requires the closest attention, study and timely preparation; in fact, preparation is half the battle; we must be ready with every aid at a moment's notice.

We carry operations well into the winter as markets are better then than during the gluts of summer. Thus we carry the following crops: celery, cabbage, brussels sprouts, spinach, parsnips, salsify, carrots, beets, turnips, green onions, head lettuce, endive, Scarlet Globe radishes, dry onions and squashes. We employ every kind of storage from the cellar, cold frame and trench to covering with earth, hay, cloth or corn fodder. Large amounts of horse manure are used; this we pile to induce heating and use it then as it becomes more pliable and packs closer. For complete protection against severe cold there is nothing better than alternate layers of such manure and earth. Much depends upon the evenness and thoroughness of the work done. We have seen 2 inches of manure, 2 inches of earth, another 2 inches of manure and again an inch of earth resist zero weather for a month. To be successful in this work we must understand the nature of the crop, the length of protection desired, the time of the year and the probable weather.

Early in the fall there is a great deal of heat in the ground which is a big factor. This heat is gradually lost, hence we must calculate accordingly. Some crops like spinach will stand severe cold if quiet, while others, like bleached celery, head lettuce and endive, are easily revived. These latter three will survive hard freezes when green, but after bleaching commences they become tender and are easily lost. When sash is used on cold frames we must bear in mind that glass is a conductor and a cold night will penetrate deeply if the glass is exposed. However, every little aid by hay, litter or canvas is a big help.

Ventilation is often neglected. Crops covered with cloth, hay or corn fodder, receive automatic ventilation as the air will penetrate these, although slowly; while with sash, boards and earth

cover we must arrange for air. On trenched celery we have for some years used a porous roof made from corn fodder and straw most successfully, using the boards only in times of rain. Such a roof permits a constant change of air yet keeps out the cold.

Spinach is ruined by driving winds at a low temperature if not covered with snow. Anything that will intercept the wind is a help. We use corn fodder and lima bean vines extensively, as any tight material like manure will surely smother the crop. We make it a practice to investigate and test everything frequently, often daily, so as to be thoroughly posted in regard to conditions, and attention is given at night if needed. We cannot afford to raise a fine crop of celery and ruin them in one night for the lack of a little covering.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

CABBAGE PLANTS

We grow plants by the million for the trade. All plants are hardy, stocky and frost-proof, grown on land unequalled for vegetable plants, where cabbage has never been before. Every plant reaches highest state of perfection, not stunted, but well-rooted and sound-budded.

ALL VARIETIES—Early Jersey Wakefield, the best selected Long Island strain; Charleston Wakefield, Succession, Louisville and Drum Head, Large Flat Dutch.

LETTUCE. Big Boston Lettuce, Giant White Forcing Lettuce, Tennis Ball Lettuce Grand Rapids, etc. Fine, hardy plants, grown in cold frames.

1000 to 4,000 lots, \$1.15 per 1000. 5,000 to 10,000 lots, \$0.90 per 1000. Special low prices on 10,000 to 20,000 lots.

No charge for packing. All shipments guaranteed more than full count.

Terms: Cash with order. Remit postoffice or express money order, or registered letter.

Eight Acres Devoted to Vegetable Plants.

Send us your order today. Booklet free. Address

Franklin Plant Farm, Inc., FRANK BRUNTON, Mgr., Norfolk, Va.
P. O. Box 964,

Vaughan's Chrysanthemum Stock Plants.

Are Now Ready.

LARGE FLOWERING. Newer Sorts.

Each 50c; 3 for \$1.35; doz. \$5.00.

Artistic Queen, rose pink.
Chrysolora, yellow.

Hirondelle, rosy lavender.
Nontero, pure white.

Ramapo, yellow.
White Gloria, white.

Large Flowering. Standard Sorts.

Singles.

Each, 25c; 3 for 65c; doz. \$2.50.

Each, 25c; 3 for \$1.00; doz. \$3.

Chadwick Supreme, pink.
December Gem, white.
Golden Chadwick, yellow.
Mrs. D. Syme, white.
Marion Newell, deep pink.

Roman Gold, deep yellow.
Smith's Advance, white.
Timothy Eaton, white.
Wm. Chadwick, white.
Yellow Eaton, yellow.

Buttercup, yellow.
Cosmos, deep pink.
Garza, white.
Lady Lu, white.
Lady Smith, pink.
Minnesota, blood red.

POMPONS. Each 35c; 3 for \$1.00; doz. \$3.00.

Aileen, pink.
Acto, yellow.
Baby Margaret, white.
Charlotte, brown.
Diana, white.

Emo, yellow.
Julia La Gravera, red.
Klondike, yellow.
La Furie, white.
Magnificus, white.
Zoda, pink.

Minta, light pink.
Princeton, brick red.
Panama, deep red.
Prince of Wales, white.
Uneda, yellow.

31-33 W. Randolph St.
CHICAGO

VAUGHAN'S SEED STORE

Greenhouses and Nurseries, Western Springs, Ill.

25 Barclay St.
NEW YORK

Prepare for Christmas.

Be Successful This Christmas. Don't be defeated in buying. There are signs of a big demand for Christmas Plants. We were not slow in looking forward by raising an immense stock of **Choice Christmas Novelties**, Godfrey Aschmann's quality, such as described below, now in prime condition for the holidays for immediate shipment.



A House Full of Begonia Gloire de Lorraine. Just Like Cut. Who Can Beat That?

AZALEAS.

Azaleas for Christmas Blooming are all showing color now, and are stored away in cold houses, and will be just right for Christmas. We have the best early double pink varieties. The so well-known and admired **Mme. Petrick**, loaded with buds and flowers, as round as an apple, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50.

Vervaeckiana, best double variegated rose, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Simon Mardner**, double pink, 75c, \$1.00, \$1.25 to \$1.50.

Pharida Mathilda, white, with rose stripes, double, very attractive, one of the newest novelties, full of buds and flowers, 75c, \$1.00, \$1.25 to \$1.50. **Deutsche Perle**, double white, \$1.00, \$1.25, \$1.50 to \$2.00.

For Easter Blooming and for Easter we have the well-known American varieties, such as **Mme. Van der Cruyssen**, best pink; **Paul Weber**, **De Schryveriana**, **John Llewellyn**, **Niobe** (white), **Apollo** (red), and a few more good sorts. P. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

Ferns.

Our Ferns Are All Pot-Grown.

The growing of *Nephrolepis* for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old, dark houses bring fungus and make spindly plants.

Neph. Giatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5 1/2 to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5 1/2 to 6-in., 40c to 50c; 7-in., 75c.

Boston, 7-in., as big as a washtub, \$1.00, worth \$1.50; 5 1/2 to 6-in., 40c to 50c; 5-in., 35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 7-in., as big as a bushel basket, \$1.00; 6-in., 50c; 4-in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, large 4-in. bushy, 15c; 5-in., 25c.

Cyr. Falcatum or **Holly Fern**. Everybody looks for Holly Ferns at Christmas. We have large 4-in., 20c to 30c.

6-in. pans (azalea pots), made up of three large **Boston Ferns**, now very bushy, 35c, 40c to 50c per pan.

We have a big assortment of 2 1/2-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/4-in., \$3.00 per 100; 5 1/2-in., made up of three 4 in., 15 in. high six weeks ago, 35c to 40c.

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100.

Ficus Elastica, Belgium or American stock, 5 1/2-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Begonia Gloire de Lorraine

We have a house full and wish to sell them.

This is another great specialty of ours. We have grown them very extensively for the past twenty years. Our special treatment makes the flowers very bright. We have the **Bright Red** and the **Pink Lonsdale**. Have a houseful. Now ready, in bloom for Christmas. 6-in. pots, 50c, 60c, 75c to \$1.00; 3-in. pots, 12c to 15c; 5 to 5 1/2-in. pots, 40c, 50c, 60c, 75c to \$1.00. We are always short of **Begonia Gloire de Lorraine**. Please order in time.

Our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4-in., 15c to 20c.

We also have the finest **Begonia Glory of Cincinnati**, in bloom, 5 1/2 to 6-in. pots, 50c, 60c, 75c, \$1.00 to \$1.50; 4-in. pots, 35c to 40c.

Begonia Argentina Cristata, 4-in., 20c.

Hydrangea Otaksa, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5 1/2-6-7-in. pots, 25c, 35c, 50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., in bloom, 15c; no flowers, 10c. Very bushy plants. 5 1/4-in., in bloom, \$3.00 per doz.; no flowers, 20c.

Primula Chinensis, John F. Rupp strain, in bloom, assorted, 5 1/4-in., only \$2.50 per doz.

Jerusalem Cherries (*Solanum*), 6-in., 25c, 35c, 50c; well berried, big plants only.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100.

Daisies, Sanderi, pure white, everlasting bloomer, very valuable for cut flowers, 2 1/2-in., \$5 per 100.

Poinsettias, 4-in., 20c to 25c; 5 1/4-in., 35c to 40c.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Please state if in or out of pots.



An **Araucaria Excelsa** from Belgium, when trimmed for the Christmas table or for the parlor, is a substitute for a Christmas tree that has no equal. Always green, makes no dirt, never drops its foliage, and can be kept in the parlor as an ornamental plant for years. Can also be used for the next Christmas.

Araucarias Our Specialty.

6,000 at hand, all sizes.

Christmas trees are scarce this year. I know of a good substitute. Just look at the picture! Doesn't it look nice? It is an **Araucaria Excelsa** in Christmas attire, imported from Belgium, taken out of Godfrey Aschmann's Araucaria House—a beauty. Its everlasting green branches certainly will amaze and amuse the dear little ones, as well as every member of the family. It will take up less room than a Christmas tree, and will also serve

two purposes: First, at the Christmas table; second, as an ornamental plant for the parlor it has no equal. It is a much better keeper than palms or any other plant. We are well prepared; have many thousands of them, the choicest stock Belgium could furnish us, and will be able to supply all wants in all sizes and prices. 5, 5 1/2, 6 and 7 in. pots 3, 4, 5, 6 and 7 tiers, 12-14-16-18-20-25-30 40-50 in. high. Prices reduced one half. 40c, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Philadelphia, Pa.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

THE executive committee of the American Association of Nurserymen announces that the next annual convention will be held at Portland, Ore., June 18-20, 1913.

CHARLES DINGEE, founder of the well known firm of Dingee & Conard, West Grove, Pa., whose serious illness was noted in this column last week, died November 28, at his residence. An extended notice of Mr. Dingee will be found in our obituary column elsewhere in this issue.

The Sugar Maple.

From the time the earliest explorers discovered Indians making sugar from the maple tree until the present day, the production of maple sugar has been an important industry in the United States, is the interesting information contained in Farmers' Bulletin 516 soon to be issued by Secretary Wilson. The industry is purely American, Canada being the only country outside of the United States that produces the product. The bulletin says:

"Maple sugar and maple sirup are considered delicacies and are not produced in such quantities as formerly. The aggregate of all pure maple products and the many imitations may be the same, for it is said that were all the maple trees cut down, and thus the supply of maple sap cut off, no drop in the quantity of sirup or sugar would be noted. Within the last six or seven years there has been a renewed tendency toward the production of a better grade of maple products.

"Maple sirup or maple sugar prepared by the best methods is a light-colored, pleasant-tasting product. Contrary characteristics are the result of uncleanly methods and possibly sour sap in ninety-nine cases out of a hundred, and were manufacturers to take greater care in their methods their results would show improvements. This better grade may not appeal to many people who have been accustomed to the dark, stronger grades."

In relation to the present growth of the sugar maple the bulletin states:

"Within its wide range the sugar maple appears as a precomitant tree only in the New England states, New York, southern Canada, northern and western Pennsylvania, and in parts of Ohio, Indiana, Illinois, Michigan, Wisconsin and Minnesota. In the southern Appalachians it occurs in scattered bodies where climate conditions are similar to those of the North. In the extreme northern part of New York state and the adjacent district of Quebec the forest growth is often almost pure maple, and even considerably further south, where beech and birch become associate trees, the sugar maple holds its own as the dominant species. In northern Pennsylvania, at an altitude of over 1,000 feet, the mixture is much the same as it is in New York. In Ohio, Indiana and Illinois a similar condition is found; but as the hilly country disappears the maple retreats to the richer and damper soils leaving great areas to the oaks and chestnuts."

Wanted.

25 TO 100 CRYPTOMERIA'S,

10 to 15 feet high.

E. C. DEVEREUX, 25 Broad St., New York

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City: Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utlus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 5-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bougainvillea Glabra Sanderlana, well established bushy 4-in. pot plants, right for forcing, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

"Get Them at Dreer's."

KENTIAS

While we are only offering Kentias in this advertisement, everyone in the trade knows that if he wants anything else in the line of Palms, be it a Decorative variety, or a Rare Collection Variety, he can "Get Them at Dreer's."



KENTIA BELMOREANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10.....	\$ 1.50	\$10.00
3	5	12	2.00	15.00
5	6 to 7	18 to 20.....	Each, \$ 0.75	
6	6 to 7	24	" 1.00	
6	6 to 7	28 to 30.....	" 1.50	
7	6 to 7	30 to 36.....	" 2.50	
8-in. tubs	6 to 7	45 to 48.....	" 5.00	
11 " "	7 to 8	4 1/2 ft. high	" 8.00	
12 " "	8 to 10	5 1/2 " "	" 10.00	

KENTIA FORSTERIANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10.....	\$ 1.50	\$10.00
3	4 to 5	12 to 15.....	2.00	15.00
4	5 to 6	15 to 18.....	4.50	35.00
5	6	22 to 24	Each, .75	
6	6	28 to 30.....	" 1.00	
6	6	34 to 36.....	" 1.50	
7	to 7	36 to 40.....	" 2.00	
7	6 to 7	40 to 42.....	" 3.00	
8	6 to 7	45 to 48.....	" 4.00	
8	6 to 7	4 ft. high	" 5.00	
10	6 to 7 1/2	5 1/2 " "	" 6.00	
11	7 to 8 5	5 1/2 " "	" 8.00	
11	7 to 8 5 1/2	6 " "	" 10.00	
12	7 to 8 6	" "	" 15.00	

KENTIA FORSTERIANA

In. pots	Plants in a pot	In. high	Each
5	4	20 to 24	\$ 0.75
In. tubs	Plants in a tub		
7	3	36	2.50
7	3	38	3.00
8	3	40 to 42	4.00
8	3	42 to 45	5.00
8	3	4 to 4 1/2 ft. high	6.00
9	3	4 1/2 to 5 " "	8.00
10	3	5 to 5 1/2 " "	10.00
12	3	5 1/2 to 6 " "	15.00
13	4	6 1/2 to 7 " "	20.00
15	4	7	25.00

Mixed Ferns for Dishes

While the "Dreer Grade" of Mixed Ferns has always sold for \$3.50 per 100, or \$30.00 per 1000 in competition with other stocks at \$3.00 per 100 or \$25.00 per 1000, we have decided to meet this price and our usual high grade plants will now be furnished at the reduced price of \$3.00 per 100; \$25.00 per 1000, but not less than 500 will be supplied at thousand rates.

Send for our Special Holiday Offer of Decorative Plants if you have not received a copy.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL

New York

Mention the American Florist when writing

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Willamstown Junc., N. J.

Mention the American Florist when writing

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa
2-in., per 100, \$2.00. New Double Daisy, Mrs. F.
Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica,
2-in., per 100, \$5.00. Asparagus Plumosus,
2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good
stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Mention the American Florist when writing

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.

PRIMROSES

	Per 100	Per 1000
Chinensis, Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots, ... at	\$1 50	\$12 00
ASPARAGUS		
Plumosus, 2 1/4 pots, ...	2 00	18 00
Sprengeri, ...	2 00	15 00
VINCA VARIEGATA		
Field Plant Cut back, ...	5 00	
CASH		

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora,
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstaetter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good
strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good
No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

CHRYSANTHEMUM MANUAL.

BY ELMER D. SMITH.

THE BEST BOOK ON THE SUBJECT.

New and Revised Edition.

CONTENTS.

INTRODUCTION.

CHAPTER I.—HISTORY.

CHAPTER II.—STOCK PLANTS.—Early Propagation.—Cold Frames.—Field-grown.—Imported Stock.—Novelties and Scarce Varieties.

CHAPTER III.—PROPAGATION.—Cutting Bench.—Selection of Cuttings.—Making Cuttings.—Air and Temperature.—Shading.—Watering.—Saucer System.—English Method.—Divisions.—Potting Cuttings.

CHAPTER IV.—SPECIMEN PLANTS.—Soil.—Repotting.—Stopping.—Drainage.—Final Potting.—Watering.—Staking.—Disbudding.—Feeding.

CHAPTER V.—MISCELLANEOUS PLANTS.—Standards.—For Market.—Single.—Stemmed.—Miniature.—For Cut Flowers.—Grafted.—In Open Border.—Hardy Chrysanthemums.

CHAPTER VI.—PACKING PLANTS.—For Express.—For Mail.—For Export.

CHAPTER VII.—EXHIBITION BLOOMS.—Planting.—Firming.—Tieing.—Watering.—Spraying.—Airing.—Shading.—Scalding.—Top-dressing.—Removing Stools.—Blind Growth.—Chemical Fertilizers.—Liquid Manure.—Lime.—Iron.—Burning and Damping.—Buds and Disbudding.—English Method.—Records.

CHAPTER VIII.—EXHIBITION BLOOMS.—Grown out-of-doors.—Australian Method.—Shelter or Saug Harbor.

CHAPTER IX.—COMMERCIAL FLOWERS.—Feeding.—Buds.—Early.—Late.—Height of Plants.

CHAPTER X.—INSECTS.—Aphis.—Thrip.—Mealy Bug.—Grasshoppers.—Tarnished Bug.—Corythuca.—Grub Worm.—Cut Worm.—Lady Bug.—Golden Eye.—Chrysanthemum Fly.

CHAPTER XI.—DISEASES.—Rust.—Leaf Spot.—Mildew.

CHAPTER XII.—SEEDLINGS AND SPORTS.—Suitable Plants.—Fertilizing.—Seedlings.—Sports.

CHAPTER XIII.—PREPARING EXHIBITS.—Plants.—Cut Flowers.—Foreign Shipments.—Dressing Flowers.

CHAPTER XIV.—EXHIBITIONS.—The Management.—The Judge.—The Exhibitor.

CHAPTER XV.—TYPES AND SELECTIONS.—Types.—Selections.

WE ARE NOW BOOKING ORDERS. PRICE, 40 CENTS, CASH WITH ORDER.

The American Florist, 440 S. Dearborn St. Chicago.

The Early Advertisement Gets There.

GODFREY ASCHMANN'S NOVELTIES

Made-up
6-in. Pans.



1 2 3 4 5 6 7 8 9 10 11 12 13

See Our Novelties in Made-up Pans.

No. 1. 6-1/2 in. pots, one large 20 to 22 in. Poinsettia in center, edge of large Boston, Scottii or Whitmani Ferns, Asparagus Plumosus or Sprengeri, and Adiantum Hybridum, mixed, very attractive, 75c.
No. 2. 6-in. pot, one large 20-in. Poinsettia in center, edge of Asparagus Plumosus or Sprengeri, 40c to 50c.
No. 3. 5 1/2 in. pot, large 18-in. Poinsettia in center, edge of Asparagus Plumosus or Sprengeri, only 35c.
No. 4. 6 1/2 in. standard pot, one large 18-in. Dracaena Terminalis in center, three large 4-in., 12 to 15 in. high, Asparagus all around, very fine, 75c, worth \$1.00.
No. 5. 6 in. pan, one large Dracaena Terminalis in center, edge of Pteris Wilsoni, 50c.
No. 6. 6-in. pan, one large Poinsettia in center, edge of Pteris Wilsoni.
No. 7. 6-in. pan, one large Poinsettia in center, edge of Alba Lineata or Holly Fern, 50c.
No. 8. 6-in. pan, one Poinsettia in center, edge of Pteris Mayii, 50c.

No. 9. 6-in. pan, one Poinsettia in center, edge of Asparagus Plumosus, 25c.
No. 10. 6-in. pan, Poinsettia in center, edge of Pteris Alba Lineata, 50c.
No. 11. 6 in. pan, Begonia Gloire de Lorraine, edge of Asparagus Plumosus or Sprengeri, 50c.
No. 12. 6-in. pan, Begonia Gloire de Lorraine, edge of Holly Ferns, 50c.
No. 13. 6-in. pan, one Poinsettia in center edge of Holly Ferns 50c.
6-in. pan, one Kentia Forsteriana in center, edge of Asparagus Plumosus or Sprengeri only 25c.
18-in. boxes, filled very attractively with Dracaena Terminalis, well colored up Boston, Whitmani, Scottii or Scholzei Ferns, Asparagus Plumosus or Sprengeri, and Adiantum Hybridum \$1.50 to \$2.00.
500 6-in. pans of Kentia Forsteriana made up, Poinsettia in center, Asparagus Plumosus or Sprengeri as an edge, sells on sight, only 25c.

Cash with order, please. 25 at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and
Importer of Potted Plants,

1012 Ontario St., PHILADELPHIA, PA.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston Ferns, 5-in., 25c each.
Whitmani Ferns, 4-in., 25c.
Dracaena Ind. 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100,
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

—WRITE— GEO. A. KUHL PEKIN, ILL.

FOR FALL CIRCULAR

SPECIAL BARGAIN: Per doz.
2 foot Elm Bark Canoes..... \$4.00
3 foot 6.00
6 in. Birch Bark..... 1.00
Order a few of each size.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink — a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.... \$3.00 One Hundred rooted cuttings.... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Shipments will start in December.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

CARNATIONS

F. Dorner & Sons Co.,

LaFayette, - - Indiana.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2 1/2-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong, 2 1/2-inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengeri, strong, 2 1/2-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.
Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

Index to Advertisers.

Advance Co. The.....1188
 Albany Cut Flower Ex. 1161
 Alpha Floral Co.....1165
 American Spawm Co. 1174
 American Wooden Ware Mfg Co..... III
 Amling E C Co.....1159
 Anderson S A.....1165
 Andorra Nurseries.....1176
 Angermueller G H.....1162
 Aphine Mfg Co.....1186
 Aschmann Godfrey.....1175 1179
 Atlanta Floral Co.....1166
 Auburndale Gold Fish Co.....1148
 Austin H.....1164
 Avery Co Evergreen Co. The.....1164
 Bader Jno & Co.....1172
 Badgley Reidel & Meyer, Inc.....1161
 Barnard The W W Co..... II 1149
 Barrows H H & Son 1173
 Bassett & Washburn 1152
 Bayersdorfer H.....1188
 Beaven E A.....1164
 Begerow's.....1168
 Benard G.....1176
 Berger Bros.....1162
 Berning H G.....1162
 Bertermann Bros Co. 1166
 Black Chas.....1178
 Bobbink & Atkins.....1176
 Boddington A T..... II
 Bodger J & Sons Co. II
 Boland J B Co.....1165
 Bolgiano J & Sons..... II
 Bowe M A.....1167
 Braslan Seed Grow Co.....1170
 Breitmeyer's J Sons 1166
 Brown Alfred J Seed Co.....1170
 Brown Bag Filling Machine Co.....1171
 Bruns H N.....1171
 Buchbinder Bros.....1185
 Buckbee H W.....1168
 Budlong J A.....1152 1158 1159 1162
 Burpee W A & Co.....1171
 Caldwell the Woodsman Co.....1164
 California Seed Grow Assn.....1170
 Camp Conduit Co..... III
 Carbone Phillip L.....1168
 Chattahoochee Flo. Co. 1164
 Chicago Carn Co. I 1146
 Chicago Flower Growers Assn.....1156
 Chicago House Wrecking Co.....1188
 Clark E B Seed Co. II
 Clark's Sons David. 1167
 Cleveland Cut Flower Co.....1167
 Conard & Jones.....1173
 Cooke Geo H.....1165
 Cotsonas Geo & Co. 1164
 Cowee W J.....1185
 Coy H C Seed Co.....1173
 Craig Robt Co.....1178
 Critchell C E.....1163
 Cross Eli.....1178
 Crump Frank F.....1166
 Cunningham Jos H. 1178
 Dailledouze Bros.....1179
 Daniels & Fisher.....1167
 Dards Chas.....1166
 Day.....1164
 Deamud J B Co.....1158
 Detroit Flower Pot Mfg..... III
 Dietsch A & Co..... IV
 Diller Caskey & Keen.....1188
 Dillon J L.....1173
 Dingee & Conard Co. 1173
 Dornier F & Sons.....1179
 Dreer H A.....1177 1188
 Duerr Chas A.....1168
 Dunlop John H.....1167
 Dwelle-Kaiser Co. The.....1186
 Edwards Folding Box.....1180
 Emmans Geo M.....1179
 Elk Galax & Fern Co.....1164
 Erie Floral Co..... I

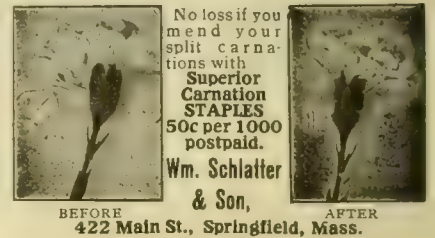
Erne & Klingel.....1159
 Esperance L Nurs.....1176
 Eubank L J.....1164
 Ever Ready Flower Pot Cover Co.....1148
 Eyres H G.....1167
 Fish Henry Seed Col 1171
 Florists' Hail Assn. 1188
 Foley Mfg Co..... IV
 Fottler, Fiske, Rawson Co..... II
 Franklin Plant Farm 1174
 Fraser Samuel.....1176
 Freeman Mrs J B.....1168
 Freeman & Sons S.....1187
 Froment H E.....1161
 Galvin Thos F.....1167
 Garland G M.....1187
 Gasser J M Co.....1167
 Geny Bros.....1168
 Giblin & Co.....1186
 Godineau R & M.....1171
 Gorham & Chapline 1187
 Grand Rapids Flower Co.....1167
 Graves Robert.....1164
 Gude Bros.....1166
 Gutman Alex J.....1161
 Hatcher, Florist.....1168
 Haven Seed Co. The 1172
 Heacock Jos Co.....1169
 Heini John & Son.....1165
 Henderson A & Co. 1148
 Herr Albert M.....1179
 Herrmann A.....1185
 Hess & Swoboda.....1166
 Hesse & Co.....1171
 Hews A H & Co..... III
 Hillfinger Bros..... III
 Hines E Lumber Col 1181
 Hitchings & Co 1160 1161
 Hoekner L.....1158
 Hoerber Bros.....1158
 Hoffman Flo Artist. 1167
 Hoffmeister Flo Co. 1163
 Holm & Olson.....1166
 Holton & Hunkel Col 1162
 Home Cor School.....1177
 Hooker H M Co.....1187
 Hurff Edgar F.....1173
 Igoo Bros.....1180
 Illinois Pipe Mfg Co. 1187
 Isbell S M & Co.....1172
 Jackson & Perkins. 1176
 Johnson J Oliver.....1171
 Johnson WW & Son 1172
 Jones Percy.....1152
 Kasting W F Co.....1163
 Keller Geo & Sons, III
 Keller JB & Sons.....1168
 Kellogg Geo M.....1165
 Kennicott Bros.....1158
 Kervan Co The.....1161
 Kessler W A.....1161
 Kift Robt.....1167
 King Construct Co. 1187
 Kohr A F..... III
 Kramer I N & Son.....1187
 Kroeschell Bros Co. 1186
 Kruchten John.....1157
 Kuehn C A.....1162
 Kuhl Geo A.....1179
 Kyle & Foerster.....1059
 LaCrosse Floral Co. 1165
 Lager & Hurrell..... I
 Lange A.....1165
 Landreth Seed Co.....1171
 Lecakes N L & Co. 1161
 Lederer.....1189
 Leedle Floral Co.....1173
 Lehman Bros.....1185
 Leonard Seed Co.....1171
 McCallum Co.....1163
 McConnell Alex.....1165
 McCoy L W.....1168
 McCullough's J M Sons Co.....1163
 McHutchinson & Co. II
 McKellar Chas W.....1059
 McKenna P & Son. 1167
 Mangel.....1165
 Mann Otto..... II
 Matthews Florist.....1167
 May & Co L L.....1165
 Meconi Paul.....1161
 Mette Henry.....1174
 Met Material Co.....1187
 Meyer John C & Co. 1164
 Michigan Cut Flower Exchange.....1164
 Miller E S.....1172
 Moninger J C Co..... IV
 Montreal Floral Ex. 1163

Moore, Hentz & Nash.....1161
 Morehead Mfg Co.....1188
 Mt Gilead Pottery Co..... III
 Munk Floral Co.....1163
 Murray Samuel.....1166
 Myers Florist.....1168
 Nat Flo B of Trade. 1188
 N Y Cut Flower Ex. 1161
 Niessen Leo Co.....1163
 Northern Michigan Evergreen Nurs.....1164
 Oechslein Frank.....1173
 Oklahoma Seed Gro Co.....1171
 Palmer W J & Son.....1166
 Park Floral Co.....1166
 Peacock Dahlia Fms 1177
 Pedrick Geo & Son. 1172
 Pennock-Meehan Col 1161
 Penn the Florist.....1166
 Peters & Reed Poty III
 Peterson & Sons J A I
 Pierce F O Co.....1186
 Pierson A N (Inc).....1172
 Pierson F R Co. I 1172
 Pierson U-Bar Co.....1185
 Pieters & Wheeler Seed Co.....1170
 Pillsbury I L.....1180
 Pinkston Jas E.....1164
 Pittsburg Cut Flo Co.....1146 1163
 Podesta & Baldocchi 1167
 Poehlmann Bros Co.....1150 1151 1153
 Pollworth C C Co.....1162 1167
 Pulverized Manure Co.....1186
 Purnell W Z.....1164
 Quaker City Machine Works.....1180
 Raedlein Basket Col 1059
 Randall A L Co.....1059
 Rawlings Elmer.....1177
 Ready Reference.....1181
 Randolph & Mc Clements.....1188
 Reed & Keller.....1188
 Regan Ptg House.....1187
 Reid Edw.....1163
 Reinberg Geo.....1159
 Reinberg Peter.....1157
 Reuter Chris.....1171
 Rice Bros.....1162
 Rice & Co. M.....1164
 Robinson J C Seed Co. II
 Rock W L Co.....1166
 Roemer Fred.....1171
 Rohmert Seed Co.....1171

Rossi Angelo J.....1168
 Routzahn Seed Co. II
 Rusch G & Co.....1162
 Saakes O C.....1167
 Saltford Flow Shop 1166
 Schilder Bros.....1172
 Schiller, the Florist. 1168
 Schillo Adam.....1180
 Schlatter W & Son. 1180
 Schling Max.....1168
 Schmidt J C.....1179
 Schulz Jacob.....1166
 Scott John.....1179
 Shaffer Geo C.....1167
 Sharp Partridge & Co 1185
 Sheridan W F.....1161
 Situation & Wants. 1145
 Skidelsky S S & Co. 1171
 Smith A W & Co.....1167
 Smith E D & Co.....1186
 Smith & Hemenway 1185
 Smith Henry.....1167
 Smith Wm C.....1162
 Smith W & T Co..... I
 Stearns Lumber Co. 1187
 Stoothoff H A Co.....1186
 Storrs & Harrison.....1173 1176
 Sunlight Double Glass Sash Co.....1185
 Superior Machine & Boiler Works.....1186
 Syracuse Pottery Co. III
 Taylor Steam Trap Co.....1187
 Texas Seed & Flower Co.....1165
 Thompson Car Co.....1177
 Thorburn J M & Col 1171
 Totty Chas H.....1173
 Trimble W E Greenhouse Co.....1159
 Uecke Chas F.....1164
 Valentine Frank.....1165
 Vaughan A L & Co. 1157
 Vaughan's Seed Store I III 1169 1172 1173 1174 1188
 Vestals.....1168
 Vick's Sons Jas..... II
 Vincent R Jr..... I 1174
 Virgin U J.....1168
 Waban Rose Cons. 1173
 Wagner Park Cons. III
 Walker F A & Co. 1168
 Ward & Co. R M..... II
 Weeber & Don.....1172
 Weiland & Risch.....1159
 Welch Bros.....1163
 Western Seed & Irrigation Co.....1171
 Wilks S Mfg Co.....1186

Wietor Bros.....1154 1155 1159
 Williams Mrs E A.....1168
 Wilson R G.....1165
 Winandy M & Co.....1180
 Windler Wholesale Florist Co.....1162
 Winterson E F Co. 1149
 Wittbold G Co.....1165

Wittbold Henry.....1159
 Wolfskill Bros & Morris Goldenson 1167
 Wood Bros.....1177
 Yokohama Nurs Co. 1171
 Young & Nugent.....1165
 Zech & Mann.....1159
 Ziska Jos.....1148



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97. May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St. BROOKLYN, N. Y.



Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
 Quaker City Machine Works.
 Richmond, Ind.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
 Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts., CHICAGO.
 L.D. Phones: Lincoln 410 and 411

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
WINANDY'S NEW BENCH AND HEATING SYSTEM.

Write for particulars.

6236 N. Lincoln St. CHICAGO
 Telephone Ravenswood 607.

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 2 to 3 tiers, 75c each; \$9 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, \$1 each; \$12 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz. Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. Va.

Asparagus Sprengeri, 4-in., strong, \$12 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ASPIDISTRAS.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green, 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices, see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 50c each; \$5.50 per doz.; \$36 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Indica, 75c to \$2.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 48 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BEGONIA LORRAINE, 5-in., 40c to 50c; 6-in., 75c to \$1. Glory of Cincinnati, 3-in., 20c to 25c; 4-in., 30c to 35c; 5-in., 50c to 75c; 6-in., 75c to \$1.25. Fine clean stock, beginning to bloom. ROBER & RADKE, Maywood, Ill.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati in bloom, 5-in., 50c each; 6-in., 75c, \$1, \$1.25 and \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Gloire de Lorraine, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

Begonias, 5-in., 50c. Erie Floral Co., Erie, Pa.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; Melpomene, 9-11, \$9.50 per 100. Tuberose, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, single named, 2nd size, \$3 per 100; 1st size, \$3.50; exhibition size, \$4; unnamed separate colors, \$1.60. Narcissus Empress double nose, \$1 per 100. James Vicks' Sons, Rochester, N. Y.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-Hudson, N. Y.

Bulbs, Lilium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs. Lilium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spireas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES Co., West Grove, Pa.

CARNATIONS.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; or \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

FIELD-GROWN CARNATION PLANTS.		
Strong, Sturdy, Healthy.		
	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIECTOR BROS., Chicago.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 cuttings. Dailledouze Bros., Lenox road and Troy Ave., Brooklyn, N. Y.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation The Herald, \$12 per 100; \$100 per 1,000. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTHEMUMS—Crocus, \$1.50 per doz.; \$9 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonnafon, Golden Wedding, Touset and Halliday, \$4 per 100. Otto J. Hembreiker, Lincoln, Ill.

If You Do Not Find What You Need in Our Ready Reference- Department, Write Us About It.

CHRYSANTHEMUMS. STOCK PLANTS.

From Prize Winning Stocks.

WHITE.		
	Pr Doz.	Pr 100
Peacock, early	\$1.25	\$8.00
Auroba	.75	5.00
Venetia	.75	4.00
White Frick, late	.75	5.00
Smith's Advance	.75	4.00
Early Snow	.75	4.00
President Taft	.75	4.00
Lynwood Hall	.75	4.00
White Jones	.75	4.00
White Chadwick, Improved	1.00	6.00
Timothy Eaton	.75	4.00
Elsie Papworth	.75	4.00
Alice Byron	.75	4.00

YELLOW.		
	Pr Doz.	Pr 100
A. F. Felton, late med.	\$1.00	\$6.00
Golden Glow	.75	4.00
Donatella, early	1.25	8.00
Col. Appleton	.75	4.00
Golden Wedding	.75	4.00
Chrysolora	1.50	10.00
Bonaffon, yellow	.75	4.00
Yellow Jones	.75	4.00

PINK.		
	Pr Doz.	Pr 100
Maud Dean, late	.75	\$4.00
Dr. Enguehard	.75	4.00
Gloria	.75	4.00
Unaka	.75	4.00
Balfour	.75	4.00
Rosiere	.75	4.00
Pacific Supreme	.75	4.00
Major Weaver, medium	.75	5.00
Helen Frick, late	.75	5.00

BRONZE COLORS.		
	Pr Doz.	Pr 100
Glenview, medium, early	\$1.00	\$6.00
Reginald Vallis, medium	1.00	6.00

C. C. POLLWORTH CO.,
Milwaukee, Wis.

Chrysanthemums, stock plants. Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums. Eli Cross, Grand Rapids, Mich.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEUM. 3-in., \$8 per 100, budded; 4-in., \$12 to \$15 per 100, budded; 4½-in., \$25 to \$35 per 100, in bud and bloom; 5-in., \$35 to \$50 per 100, in bud and bloom; 6-in., \$60 to \$75 per 100, in bud and bloom; 7-in., extra large, \$1.25 each. Our plants are of excellent strain; quality A1, and large plants for size of pots. August seedlings, \$3 per 100; \$25 per 1,000; 12 varieties equally divided. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bud and bloom, \$3, \$6, \$9, \$12 and \$18 per doz. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Cyclamen, in bloom, 5-in., 50c to 75c each; 6-in., 75c; 7-in., \$1 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Sanderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaenas, Brumanti, Lindeni, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, 8-in., 70-80 branches, 30c each; \$3 per doz.; \$20 per 100; 6-in., smaller stock, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Adiantum Croweanum, 4-in., \$15 per 100. Adiantum Hybridum, 5-in., \$25 per 100. Adiantum Cuneatum, 4-in., \$10 per 100. Cibotium Schiedeii, 6-in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

FERNS.—Extra heavy Boston, 4-in. pots, \$2 per doz.; \$15 per 100. Selaginella (Moss Fern), 2½-in., fine and bushy, \$3 per 100. Wagner Park Conservatories, Sidney, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns for dishes, \$3 per 100; \$25 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 4-in., 35c each; \$4.20 per doz.; 6-in., 50c each; \$6 per doz.; 7-in., branching, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c, 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, 2-inch, Roseleur, Nutt, Dagata, Ricard, Red Wing, Viala, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.60 per 1,000. Claire Frenot, 1111, Dryden, Pamela, Mrs. Annie Vincent, Pottevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Rooted cuttings, strong, \$1 per 100; \$8 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Pottevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, holly, \$3 per case. Green sheet moss, \$1.25 per bbl. Laurel branches, \$2.50 per case. Laurel stems, \$1 per bag. W. Z. Purnell, Snow Hill, Md.

Greens, galax, 40c per 1,000. Fancy and dagger ferns, 75c per 1,000. Green leucotoe, short, \$1 per 1,000; long, \$2 per 1,000. Avery Co. Evergreen Co., Elk Park, N. C.

Greens, Bouquet green, XXX holly, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Holly, fancy Eastern, per case, \$4.50; 3 cases, \$13; 5 cases, \$20. The W. W. Barnard Co., 231-235 W. Madison St., Chicago.

Arbor-Vitae clippings, 5 to 12 in. long, case 18x18 ins. x 4 ft., \$2. White pine clippings, 5 to 12 ins. long, cases, 18 x 18 ins. x 4 ft., \$2. Chas. F. Uecke, New London, Wis.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Mistletoe, Silliman's every sprig berried brand. New booking orders, December shipment. A. B. Silliman & Co., Boone, Iowa.

Baby Christmas trees (spruce), 30c each; \$2.50 per doz.; \$16 per 100. Winterson's Seed Store, 166 N. Wabash Ave., Chicago.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, holly, bouquet green, immortelles. Write for prices. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-inch holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Iron Mountain Galax, green and bronze, 50c per 1,000; \$4 per 10,000. Cash with order. J. R. Cox, Grant, Va.

Bouquet greens, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

Holly. T. E. Eubank, Brown's Store, Va.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas for forcing, 6 to 7-in. pots. Avalanche, Mme. Emile Mouilliere, Mme. Maurice Hamar, 3 to 4 flowering shoots, 75c each; \$8 per doz. Otaksa, 50c each; \$5 per doz.; \$40 per 100; 5 to 6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mme. Chantard, 3 to 4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pot. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangea Otaksa, pot-grown, 5½, 6, and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVIES.

English Ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley, cold storage, regular grade, \$13 per 1,000; extra grade, XXXX, \$16 per 1,000. The W. W. Barnard Co., 231 W. Madison St., Chicago.

Lily of the valley. It pays to grow Bruus' early forcing valley (new crop), \$15 per 1,000; \$8 per 500; \$1.25 per 250. Cold storage, \$16 per 1,000; \$1.80 per 500. Bruus' celebrated Chicago Market, \$18 per 1,000; \$2 per 500. H. N. Bruus, 3032-42 W. Madison St., Chicago.

MANETTI.

Manetti stocks. We can spare about 100,000 good, strong manetti stocks, 30 shillings per 1,000. Cutting briar stocks, 30 shillings per 1,000. S. Bide & Sons, Ltd., Farnham, England.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; \$5.50 per doz.; 5-in., 75c each; \$9 per doz.; 6-in., \$1 each; \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, Areca leutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, 2 1/2-in., \$1.25 per doz.; \$5 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 4-in., \$2 per doz.; 5-in., \$4 to \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Celestial peppers, 5-in. with fruit, \$15 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

POINSETTIAS, in bloom, 3-in., \$15 per 100; 4-in., \$25 per 100; 4 1/2-in., \$35 per 100; 5-in., made-up, 35c to 50c; 6-in., 75c; 7-in., \$1; 8-in., \$1 to \$1.50. ROBER & RADKE, Maywood, Ill.

Poinsettias, 3-in. pots, 15c each; 4-in., 25c; pans, 25c, 35c, 50c, 75c and \$1 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Poinsettias, 2 1/2 and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, 2 1/2-in., \$5; 3-in., \$7 per 100. Erie Floral Co., Erie, Pa.

Poinsettias, pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2 1/2 and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

PRIMULAS.

Primula obconica grandiflora, 4-in., \$10 per 100; 5 1/2-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5 1/2-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Sinensis, 4-in., \$1.50 per doz.; 5-in., \$2 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula malacoides, 2 1/2-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, Obconica alba, rosea, Kermesina, gigantea, 2 1/4-in. pots, \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, Ohio.

Primula Malacoides, strong, 2 1/2-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula obconica, in bloom, 5-in., \$3.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2 1/2-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Abutilon Savitzii; Acalypha Macafeana; Achyranthes Emersoni; ageratum, blue and white, 5 sorts; alternantheras, 6 sorts; Begonia Vernon, pink; Coleus, Golden Bedder, Verschaffelti, etc.; fuchsias; hardy English Ivy; heliotrope; lantana; lemon Verbena; moonvines, white and blue; Salvia Bonfire, Zurich; Swainsona alba, rosea, rooted cuttings, 60c per 100; \$5 per 1,000. R. Vincent, Jr., & Sons Co., White Marsh, Md.

ROSES.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$250 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

We have over two hundred dormant bench-grown Maryland Roses, which we must move and will take \$10 for the lot. Addams, Morgan & Co., Paxton, Ill.

Roses, Baby Ramblers. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

Erna Teschendorf, 4-in. pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Seeds, German Bower seeds. Frederick Roemer, Quedlinburg, Germany.

Rose Lady Hillingdon, 2 1/2-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

SOW NOW if you want them for early spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.	\$2.50	\$0.50
Begonia Gracilis luminosa, finest red	2.50	.50
Begonia Triumph, finest white.	2.50	.50
O. V. Zangen,		Hoboken, N. J.

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25, 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seed, cauliflower, white Tripoli onion and all other vegetable and flower seeds. Dammann & Co., San Giovanni A Teduccio, near Naples, Italy.

Seeds, carrot, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, beans, beets, cabbages, carrots, Kohl rabi, leek, lettuces, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; 1/4 oz., \$1.75; 1/2 oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, pansies, forget-me-nots, daisies, asters, stocks, verbenas, etc. Hesse & Co., Quedlinburg, Germany.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips. R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Brashan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, cabbage: see varieties, Early Jersey Wakefield, Charleston Wakefield, Succession, Louisville and Drum Head, Large Late Flat Dutch, Lettuce: Big Boston, Giant White Forcing, Tennis Ball, Grand Rapids, etc., 1,000 to 4,000 lots, \$1.15 per 1,000; 5,000 to 10,000 lots, 90c per 1,000. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Gov. Herrick Violets, strong field-grown, fibrous roots, \$4 per 100; \$35 per 1,000. Cash. J. C. Rennison Co., Sioux City, Iowa.

Hardy English or Russian Violet, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

BUILDING MATERIAL.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

HARDWOOD ASHES, best fertilizer in use. GEORGE STEVENS, Petersburg, Ont.

GOLD FISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs. Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburgh, Pa.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York; Jas. W. Erringer, western sales agent, 20 E. Randolph St., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Florists' supplies and wire designs. Joseph Ziska, 151-153 N. Wabash Ave., Chicago.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayeradorfer & Co., 1129 Arch St., Philadelphia.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Mastica for greenhouse glazing. F. O. Pierce & Co., 12 W. Broadway, New York.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000.

Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.

Ameling Co., E. C., Chicago.

Angermueller, Geo. H., St. Louis, Mo.

Bassett & Washburn, Chicago.

Berger Bros., Philadelphia, Pa.

Berning, H. G., St. Louis, Mo.

Budlong, J. A., Chicago.

Chicago Carnation Co., Chicago.

Chicago Flower Growers' Ass'n., Chicago.

Critchell, C. E., Cincinnati, O.

Deamud Co., J. B., Chicago.

Domoto Bros., San Francisco, Calif.

Freser, D. E., Chicago.

Froment, H. E., New York.

Guttman, Alexander J., Inc., New York.

Hart, Geo. B., Rochester, N. Y.

Hoerber Bros., Chicago.

Hoffmeister Floral Co., Cincinnati, O.

Holton & Hunkel Co., Milwaukee, Wis.

Hunt, E. H., Chicago.

Kasting Co., Wm. F., Buffalo, N. Y.

Kennicott Bros. Co., Chicago.

Kessler, Wm. A., New York.

Kruchten, John, Chicago.

Kuehn, C. A., St. Louis, Mo.

Kyle & Foerster, Chicago.

Lecakes & Co., New York.

McCallum Co., Pittsburg, Pa., and Cleveland, O.

McCullough's Sons Co., J. M., Cincinnati, O.

McKellar, Chas. W., Chicago.

Meconi, Paul, New York.

Montreal Floral Exchange, Ltd., Montreal, P. Q.

Moore, Hentz & Nash, New York.

Munk Floral Co., Columbus, O.

N. Y. Cut Flower Exchange, New York.

Niessen Co., The Leo, Philadelphia, Pa.

Randall Co., A. L., Chicago.

Reinberg, Geo., Chicago.

Reinberg, Peter, Chicago.

Rice Bros., Minneapolis, Minn.

Rusch & Co., Gust, Milwaukee, Wis.

Pennock-Meehan Co., S. S., Philadelphia.

Percy Jones, Chicago.

Pittsburg Cut Flower Co., Pittsburg, Pa.

Poehlmann Bros. Co., Chicago.

Pollworth Co., C. C., Milwaukee, Wis.

Reid, Edward, Philadelphia, Pa.

Sheridan, W. F., New York.

Smith, Wm. C., St. Louis, Mo.

Thompson Carnation Co., J. D., Joliet, Ill.

Tonner, O. A., Chicago.

Totty, Chas. H., Madison, N. J.

Welland & Risch, Chicago.

Welsh Bros., Boston, Mass.

Wielor Bros., Chicago.

Windler Wholesale Floral Co., St. Louis.

Wittbold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Give Your Plants All the Sun.

You can do so by simply using the **Sunlight Double-Glass Sashes** on your hot-beds and cold-frames. A $\frac{3}{8}$ inch layer of dry air between the layers of glass affords ample protection. No mats or other covering ever needed.

They let in all the light and all the heat that the sun's rays carry. But they never permit the stored heat to escape or the outside cold to enter.

With these sash half the labor and cost are saved; and far better and earlier plants secured. They give you flowers and vegetables when they are luxuries.

Many Thousands Giving Perfect Service.



Get These Two Books—One is our FREE Catalogue; the other is Prof. Massey's Hand-book of Cold-frames and Hot-beds, sent for 4c in stamps.

Sunlight Double Glass Sash Co.
934 East Broadway, Louisville, Ky.



The double layer of glass does it.

GLASS.

REMEMBER we always have the right kind and the right prices. Don't fail to write us when you want any.

Sharp, Partridge & Co.,

Phone Canal 880

22nd and Lumber St. CHICAGO

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

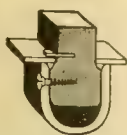
Sample free. For sale by dealers.

BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.
MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.



This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

At a glance that's apparent. The reason is, the U-Bar. To put it another way; you can put a gold plated harness on a heavy draft horse and hitch him to a swell little runabout—but with all his trappings he ambles along draft horse fashion just the same. So by the same token, putting a curved eave on a greenhouse does not make it a U-Bar curved eave house. It only looks something like it from the outside. A U-Bar house is distinctly different and it's the U-Bar that makes it so. Send for a catalogue and find out just why.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK

CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

Greenhouse Construction

BY PROF. L. R. TAFT.

It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 210 pages and 118 illustrations. PRICE, \$1.50.

Greenhouse Management

By the same author. Covers the subject completely. 382 pages. PRICE, \$1.50.

AMERICAN FLORIST CO., 440 S. Dearborn St. Chicago

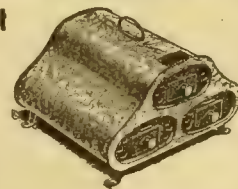
Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use by Florists, etc. The cost of heating is only TWO CENTS for TWELVE HOURS CONTINUOUS HEAT.

Send for descriptive circular to

LEHMAN BROS., JAS. W. ERRINGER,
MANUFACTURERS, General Western Sales Agent,
10 Bond St., NEW YORK. 20 E. Randolph St., CHICAGO



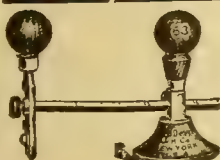
A "Red Devil" Glass Cutter

That will cut PERFECT CIRCLES

2-in. to 20-in. in any kind of glass. If you have circular lights in your greenhouse you should have one of these "Red Devil" Circular Glass Cutters handy at all times. Your local hardware dealer has it. Ask for "Red Devil" No. 263, but if you can't get it locally, send us \$1.25 and one sample only will be sent postpaid.

SMITH & HEMENWAY CO., 105 Chambers Street, N. Y., U. S. A.

("RED DEVIL" TOOLS are sold throughout the world.)



Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and
bench fungi. Does not stain the foliage.
75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing



MASTICA
FOR Greenhouse Glazing
USE IT NOW.
F. O. PIERCE CO.
12 W. BROADWAY
NEW YORK

Mastica is elastic and tenacious, admits of expansion and contraction. Putty becomes hard and brittle. Broken glass easily removed without breaking of other glass, as occurs with hard putty. Lasts longer than putty. Easy to apply.

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

Flower Colors

Use our COLOR CHART in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

THE KROESCHELL BOILER

IS THE ONLY PERFECT

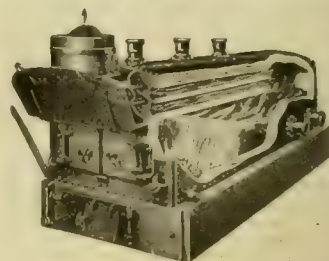
Hot Water Boiler

NOT CAST IRON

Has thin waterways. Heats quickly. It is the most efficient, safest and most economical boiler built. Very Powerful. 15 sizes, heating from the smallest greenhouse up to 50,000 square feet of glass to 60 degrees, at 15 degrees below zero.

Prices and catalogue on application.

KROESCHELL BROS. CO., 452 ERIE ST., CHICAGO



WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street,
Cutler Building,
20 State Street.

Albany, N. Y.
Rochester, N. Y.
Erie, Pa.

Mention the American Florist when writing

"SUPERIOR"

HOT WATER BOILERS
For Greenhouse Heating.

Made in 9 Sizes.

Superior Machine
and Boiler Works.

846-848 W. Superior St.,
Chicago, Ill.

Mention the American Florist when writing

FERTILENE, The Ideal Plant Food.

Especially prepared for the production of
LUSTY CHRYSANTHEMUM BLOOMS.

Ten pounds, \$3.00; Twenty-Five pounds,
\$6.00; Fifty pounds, \$10.00.

Sample packets of one-half pound, 30c.

Sample packets of one pound, 50c.

Elmer D. Smith & Co., Adrian, Mich.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Ulica, N. Y.

Mention the American Florist when writing

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

WILKS' Hot Water Boilers ARE THE MOST ECONOMICAL Boiler for Greenhouses

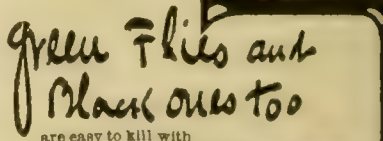
No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave. CHICAGO



green flies and
black ones too
are easy to kill with
The Fumigating Kind Tobacco Powder
\$3.00 per bag 100 lbs.
Satisfaction guaranteed or money back:
why try cheap substitutes that makers do
not dare to guarantee?
THE H. A. STOOFF CO., MOUNT VERNON, N. Y.



Pulverized or Shredded
Cattle Manure
Pulverized
Sheep Manure

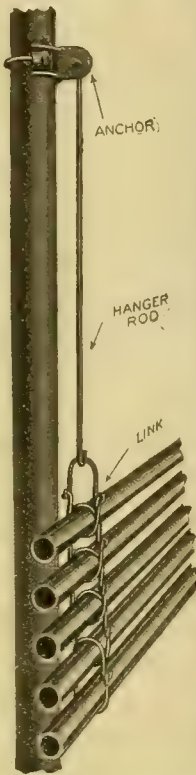
Unequalled for Greenhouse Fertilizing.
Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago

An Improved Pipe Hanger.

Allows for expansion of individual pipe as well as the whole coil.

Write for Prices.



King Construction Company,
North Tonawanda, N. Y.

NEW YORK: 1181 Broadway.
BOSTON: 410 Winthrop Building.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

METROPOLITAN MATERIAL CO.

PATENTED
Greenhouse Boilers and
Construction Material
Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists
and Supply Dealers.

Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

J. N. KRAMER & SON, Cedar Rapids, Ia.

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy.
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

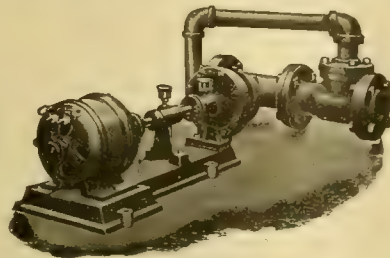
The most durable White Paint for this purpose.
Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Mr. Retailer.

An Iron Frame Greenhouse practically Given Away. You
need it in your business. You need it for a Palm House or Show
Room. It means **More Business for You.** Write us immediately
on our \$400.00 proposition.

GEO. M. GARLAND CO.

Lock Box S.

DES PLAINES, ILL.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaran-
teed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

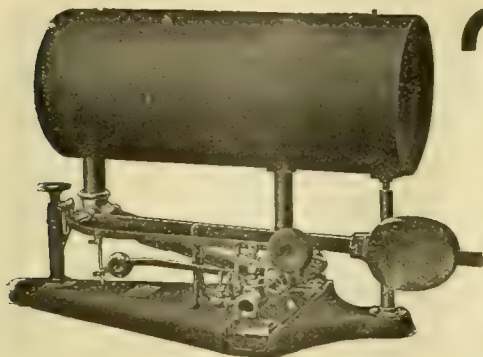
PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery
542 S. Dearborn St., CHICAGO

Mention the American Florist when writing



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price **\$4.90**
4C12005, with arms, price **\$5.65**
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete
Greenhouse Heating Systems. Send for
our Special Heating Catalog No. 47. Estimates
furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you re-
main longer unpaid. Send them to
us at once. We are prompt, energetic
and reasonable, and can reach any point
in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing



MONEY IN YOUR POCKET

when you buy the

Advance Ventilating Apparatus.

Our equipment is perfect in every detail, and has never failed
to please even the most critical. We can please you, too. So
send in your orders. We assure you of prompt attention.

Do not forget our **Complete Line of Fittings.** We use only
the best of materials and guarantee satisfaction.

Get Our New Catalogue.

ADVANCE CO.,

Richmond, Ind.

Use our patent
iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing

VAUGHAN'S PERFECTION POINT

No. 2. Large single
thick glass.
No. 2½. Double
thick.
Price, per 1000, 55c;
by mail, 70c; 5,000,
by express, \$2.50.
**VAUGHAN'S
SEED STORE**
Chicago, New York

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.

The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, ¾ and
¾. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50;
15 lbs. for \$5.00, by express. For sale by the trade.

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, DECEMBER 14, 1912.

No. 1280

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

**SOCIETY OF AMERICAN FLORISTS AND
ORNAMENTAL HORTICULTURISTS.**

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Wreaths.

With the cheaper grades of Christ-
mas wreaths it is much better to pur-
chase them of the dealers than to at-
tempt to manufacture them, for they
are made where the material is
plenty and by cheap labor that learn
to handle them very rapidly, but the
better wreaths the dealer can arrange
himself and make a finer article and
also introduce features that are not
found elsewhere. A few sprays of
holly or bunches of winterberries and
red immortelles will often brighten up
a green wreath and make it attractive.
The wreaths of pine, with the cones
worked into them, are particularly
pleasing and always attract attention
when shown. A good supply of holly-
ribbons is a necessity at this sea-
son, and the wreaths displayed should
have a nice bow of this tied on them
to show the customer how these
Christmas offerings are to be used.
These small details are all of great
assistance to the sale at this time and
are all carefully attended to by up-to-
date dealers.

Plant Baskets.

The presentation to the prospective
buyer of plants in baskets or boxes
has become a prominent feature of the
trade at both Christmas and Easter
and a great many of these are ar-
ranged and sold by the large stores.
Occasionally the report is made that
the call for these is not so large as
formerly, but invariably this is caused
by the dealer not accurately feeling
the demands of his trade. It is not
every store that will have a trade that
purchases the high cost assortments,
but baskets of all sizes and shapes
can be obtained and small boxes are
easily and cheaply made, and these
covered with bark are nicely adapted
to this work and are really inexpen-
sive. The baskets of willow can be
purchased at a moderate price, and
these can be filled with cheaper plants
for those that do not want to make
expensive presents. With a trade that
ordinarily does not pay more than two
or three dollars for a plant, a ten or
fifteen-dollar basket is altogether too

expensive to offer them at first. This
trade must be educated to these nice
gifts by first inducing them to buy
some at not so high a figure. They
will greatly admire these more costly
arrangements, but will have to be
shown that plants in this form are
satisfactory, and will first buy some-
thing cheaper. Nice boxes and baskets
can be put up at the same prices that
they have been in the custom of buy-
ing, and when they prove satisfactory
larger and more expensive offerings
will be purchased.

Many growers and dealers use their
specimen plants for their boxes and
baskets, which makes them expensive,
but this is unnecessary. There are al-
ways in every grower's collection
many plants that are one-sided in
their growth, lose many of their leaves,
or in some other way are far from be-
ing plants that can be called speci-
mens and would not find sale, and
these can be put in the baskets with
the best side out or with a few small
ferns to cover up the blemishes and
sold. By so doing what would in all
probability be thrown away, or at any
rate be a loss, can be made to turn
the balance in the right way. The
plants in these arrangements are al-
ways set very close and this helps to
cover up any deficiency that the plant
has.

Baskets are now offered by the man-
ufacturers with tins to conform to the
baskets, and in these the plants can be
set, and with proper care they will
make a splendid ornament for the
home that will last a long time. The
arrangement of the plants, especially
in regard to the colors, should be care-
fully studied. The reds will, of course,
be the most in demand. Poinsettias
make a nice basket offering in them-
selves, but with the exception of those
who have wealthy customers the
basket or box should not be made too
expensive, for these plants do not last
any great length of time. A beauti-
ful effect in red can be obtained by
filling the basket with decorative
plants and placing among them nicely
berried sprays of winterberries. In the
arrangements containing the different

Index to Advertisers,
Page 1264

Ready Reference Advt.,
Page 1265

Help and Situations Wanted,
Advertisements,
Page 1209

plants bearing pink flowers, it is necessary to use judgment in the selection of colors or they may clash. The cerise neither harmonizes nor contrasts well with any of the bright colors, white only being permissible with this shade. The plants with variegated foliage should also be used with care. It is not well to use too many in one basket, but to have plenty of green decorative plants to set them off.

Many beautiful effects may be produced by the proper assembling of the Christmas plants in these offerings to the trade. While these are made up in most cases of the more expensive plants and intended for the wealthier class of people, yet by the application of good judgment very beautiful arrangements can be put up with the cheaper plants.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Retailing Cut Flowers by the Box.

There are without doubt more boxes of cut flowers sold and delivered by the retail florist than any other of the many things he makes up or carries in stock. The order may come by mail, or over the phone, or it may be left personally by the customer, who desires to select the flowers or at least see the stock from which the order will be made up. The selection of flowers for such an order should always be made by a competent person so that justice may be done the customer and at the same time the house may be insured the necessary profit. The well meaning but thoughtless em-

a strip of cotton at one end. This is cut the width of the box and being only fastened at one end of the strip it is brought up between the ends of the flowers and the box and acts as a sort of cushion to protect the flowers. A little wad of wax or tissue paper is often placed at one end. This also acts as a cushion and raises the flowers—which would otherwise lie on the bottom—so that they are more readily seen.

Plenty of wax paper, projecting well over the edges and ends of the box, should be used as a lining and then it is ready for the flowers. There is one thing more, and this is a piece of tape, fastened by running through two holes in the bottom of the box about the middle and one inch from either side. Some florists have this tape pasted by the box man in all their boxes, large and small, where it is always ready for use. When the flowers, with the exception of a few used to top off, are all placed, the tape ends are brought across and tied, pressing the stems gently but firmly together and preventing any movement. In arranging, the longest stems should go in first, and the shorter next, and so on, until at the end bunches such as valley, sweet peas, violets and the like fill up the rest of the box nicely. Arrange the colors so they will harmonize and place strips of wax paper between the layers. Some florists keep a quantity of wax paper squares in small sizes and place a piece under each flower, allowing the corner of the paper to stand up to support it.

The topping off of a box often adds much to the looks and costs but a trifle more. A little maidenhair, or a few fancy fern fronds, together with pansies, or a few violets, a sprig or so



RETAILING CUT FLOWERS BY THE BOX.

Festooning.

It always pays to have festooning artistically hung in the store or office. It is part of the Christmas trade, but the customer will never know that the dealer has it unless it is shown in the best possible shape. To leave in the original coils does not attract the purchaser, so it is better to festoon the salesroom and show the public how these ropes of foliage can be made attractive. The festooning of laurel is by far the best, and does not have the cheap look that the festoon of bouquet green has, and this year the latter being so scarce is at nearly the same price as the laurel. Large halls and churches are invariably hung with the laurel festooning, but if these are lofty and the festoons do not come down to the level of the eye coarser greens can be used. Arbor-vitæ for such locations makes very suitable festooning.

Prepared Flowers.

Baskets of dried and prepared flowers make very decorative features for the holidays. The prepared branches of beech and the highly colored fern fronds make up beautifully. The red ruscus is also very bright and showy and just the right color for Christmas. The sprays of dried statice work in nicely with the highly colored foliage, as do the spikes of eulalia or pampas grass. All these prepared flowers and leaves arrange beautifully in handle baskets and if adorned with bright ribbons that are in harmony with the colors used, make fine offerings for the Christmas trade and they will be ornamental throughout the winter.



RETAILING CUT FLOWERS BY THE BOX.

Box Showing Decoration on the Outside.

ploye will, if he is in the humor, give too great value for the money and leave little if anything for his employer. Or another time he brings trouble by careless selection and packing, which may result in the loss of a customer.

With the price in mind and all that is intended for the order selected, packing is the next thing to consider. It may seem a small matter, but there is quite an art in packing a box of flowers. In the first place the box should be of a size sufficient to hold the flowers without crowding and yet not so large that the quantity selected will fail to fill it sufficiently. Some florists have their box makers paste in

of valley or mignonette, a tiny bud or two, or anything of this kind, often gives a finishing touch to an arrangement that is worth much more than the cost. Do not put the lid on until the flowers have been sprinkled. Don't use too much as what lies in the bottom will soften the box and it will then be delivered in very bad condition, particularly if it happens to be strapped on the bottom of several together. Some florists will not send a box out without wrapping and others want their creations to show and never paper except in cold weather.

A pretty way to finish off a box is to arrange a spray of oak leaves, pine



CHURCH WEDDING DECORATION BY THE J. M. GASSER CO., CLEVELAND, O.

branch with cones, holly, wild smilax or other such green, and with it place a flower or two that fits in with the season. These are tied on with a silver or gilt cord or with the wrapping tape twine, either before it is papered, if at all, or afterwards. Some of the trade are very particular as to their boxes, selecting an odd color, such as a brown, and using as an ornament a red seal on a corner, or again using it to seal the ends of the tape or string after the box is tied. Others must have all white. Some will use folding boxes, while the madeup and more expensive pasteboard is none too good for high class houses. Another method of preparing for delivery which saves the price of a box and often makes a hit, can be used in the case of a loose bunch for a vase, or a few chrysanthemums or other such selection. These are rolled—the flowers all showing—in a cornucopia of rather stiff white paper partly flattened out with one of the ends of the sheet bent back, to which is pinned the card together with a bunch of pansies, or a small flower or two. The bottom or handle can be tied with a silver cord and a sprig of something caught in. The address tag can be tied here with the loose ends of the cord.

K.

The Directoire Wreath.

Directoire wreaths are usually small and upstanding in effect, high in front and similar in form to the laurel crown of old. They will look pretty when combined with full rich garlands with shower effect. If a public hall is to be decorated a garland made of holly and boxwood combined is desirable, making about a yard of holly garland and then a yard of boxwood garland, and so on to the desired length. From the boxwood sections suspend showers made of holly, which should be of different lengths, attaching to the main shower strand a tiny circle of red berries. From the holly sections of the garland suspend a directoire wreath, to the base of which may be added a butterfly bow of red ribbon. Cover all stretches of wall in this manner. In the corners arrange groups of Christmas trees. The trees should be in tubs and finished with a grouping of ferns to cover the tubs. These corners of the hall can be made into a circle group, allowing the Christmas trees and some tall palms to diverge to the side center wall, using a wide red satin sash ribbon as a sort of dividing line from the rest of the hall, especially if dancing is to be the main entertainment.

From the ceiling, in the center, suspend an immense ball of red berries from which hang showers of mistletoe. At different intervals from the ceiling in the center suspend large circles of berries to which tiny electric lights covered with red catgut can be effectively placed. From these circles also suspend showers but these should be made of red berries. If a doorway is to be decorated use the directoire wreath, using about three in a group, making a sort of curtain or shower effect from one side. This should be made of holly and red berries and tied back with a red satin ribbon. Place directoire wreaths where they will be most effective. It is well to bear in mind that the directoire wreath is not a complete circle wreath but is open at the lower end

like the crown, as before mentioned, and in using it in decorating the open part should be down and the ribbon—if one is to be attached—should be fastened to each open end—this open end showing but little in the finished wreath—but the ribbon attached to each end will be most effective when tied loosely in a bow several inches below the directoire wreath.

This wreath will also look well on the buffet dining table if two are put together in the center with the full heads meeting. In this case red berries should be profusely used in the head piece. Arrange a very wide red satin ribbon from under the sides on which place tall candle sticks of the mission variety, making a red berry shade for each. From the opening of the directoire wreath at each end make a rope of red berries and extend to edge of the table. Place along this rope of berries or rather in the center of it down the table small bonbon dishes filled with red candies. In the center of each place a candle with a side shade attached to it made of red berries.

For favors use rings made of berries to which a long loop of ribbon has been tied in order that they may be carried over the arm. Another word about the directoire wreath: when making be careful that the thickness

is mostly at the top and gradually terminates in a point towards the lower center. They must be carefully regulated, taking care that the leaves are turned in one direction. Again referring to garlands—when boxwood is used the garland can be embellished with rings made of berries and slipped over the boxwood garlands at different intersections. Strung holly looks very well and is quickly done. It looks like a rich cord when properly made and is very useful in draping garlands or half wreaths.

A very large boxwood wreath will look pretty on the wall of a ball room with the center filled with tiny red bells but these must be of different lengths. These tiny bells can also be attached to the outer lower half. At the ceiling above the wreath attach a red satin ribbon and bring to the center where the wreath is attached. From the sides of the wreath suspend garlands of boxwood on which the red berry rings have been pulled over at different intervals. From these rings of berries small red bells can be advantageously attached. Christmas trees decorated with the tiny red Christmas bells with a scattering of white cotton on which silver frosting has been dusted to represent Jack Frost will look well in this combination. The same effect can be secured



CHRISTMAS BASKET.

Lilac Camellia, Cattleyas and Dendrobium Formosum. Arranged by Geo. M. Stumpp, New York.

from a chandelier, using a large bell in the center surrounded with the smaller bells. The clapper of the large bell will look well made of mistletoe.

A. E. KLUNDER.

Fin: Wedding Decorations.

The accompanying illustrations are from photographs taken at the residence of Patrick Calhoun, Cleveland, O., October 12, the occasion being the wedding of Mr. Calhoun's daughter. The decorations were arranged by the J. M. Gasser Co., which has a nationwide reputation for fine work. On the same day this company executed another beautiful wedding decoration at the home of Dr. J. C. Wood, Cleveland, Dr. Wood's daughter being the bride.

A. F. F.

Park Employees' Examinations.

WEST CHICAGO PARKS.

Each candidate, upon entering the examination room, is given an identifying number. Throughout the examination he is marked according to that number and all papers which he writes are likewise numbered. His name, address and other personal information are included on a sheet which is sealed in an envelope, and nowhere on the examination papers or in the oral tests is his name divulged. After all markings are completed, the identification envelope is opened and his name and address determined.

The subjects of examination are: experience, special subject, and physical. The first has a weight of 3, the second a weight of 5, and the third a weight of 2, in determining the final average or standing on the eligible list. The experience paper is the only part of the examination which is written. In order to make the written work as simple as possible, mimeographed forms are used which require only that the candidate write in the meager details regarding his age, schooling and practical experience. A copy of one of these experience forms is published herewith.

The special subject, which is the most important part of the examination and weighs one-half of the total weight, is conducted as far as possible without requiring any written work on the part of the applicants. For florists it includes oral questions on the preparation of soils, the extermination of insects, the method of propagating, forcing and caring for plants, and questions on fertilizing, transplanting and watering are also included. Augmenting the oral test, there is a practical test which consists in having the candidate pot a number of plants and give the names of 15 or 20 plants which are pointed out to him in the conservatory. Throughout this test he is known to the examiner only by his number.

The physical test is designed for the purpose of determining the candidate's bodily fitness and his ability to perform the work required of him. A person who is well educated and of long years' experience in floral work, may be rendered unfit for our positions if he is physically unsound or is too old to handle a wheelbarrow or do other heavy work. The physical test is given the smallest weight in the examination in order that a man may not receive a passing grade merely because he is an athlete or possesses great strength. The physical



CHRISTMAS BASKET.

Dracaena Terminalis, *Begonia Gloire de Lorraine*, *Roman Hyacinths*, *Whitman Ferns*, and Other Foliage, Arranged by S. Muir, Chicago.

test does not consist of exercises which would require a gymnast for their proper performance, but consists of simple tests for the back, arms and legs and general tests by the physical examiner to show co-ordination.

In the case of examinations for gardeners, the written work is reduced to a minimum. The subjects are experience, special subject and physical, each weighted as stated in the case of florists. The candidate is required only to write his past experience.

The special subject for these examinations is oral and practical. The oral work includes questions on insects, grafting, pruning, fertilizing, and planting trees, shrubs and perennials as well as questions on the planting, care and maintenance of lawns. In the practical test the candidate is required to name 15 or 20 trees, shrubs and perennials which are pointed out to him in the park, and he is further required to demonstrate the proper method of pruning and planting trees and shrubs. The physical test is the same as that for florists. Because the work of gardeners is entirely outdoors and requires ability in climbing trees, no persons over 50 years of age are allowed to compete.

In examinations for higher positions,

such as head florist and foreman of florists, the best illustration is the test which was given for head florists on February 27, 1912. Our head florist is in charge of the Garfield Park conservatory, and of all floral work in the system, as distinguished from landscape work. It is therefore necessary that he be a well educated man and one who is capable of handling correspondence, ordering supplies and materials and keeping records. For this reason the examination was of a much higher standard than those described above and it necessarily included considerable written work. However, oral and practical tests were included in the examination in order that the examiners might judge of the personality of the candidate and in order that they might observe other qualifications which could not be determined by a written test.

The subjects of the examination were: special subject, experience and educational. The first had a weight of 6, the second a weight of 3, and the last a weight of 1. You will note that we have no physical test because of the small importance of this feature as compared to the training, experience and executive ability required. However, each candidate was required

to furnish a physician's certificate regarding his health and physical condition.

In this examination the usual practice was followed of giving the candidates identifying numbers and having their names unknown to the examiners. The examiners included W. N. Rudd and Edwin F. Kanst. Prof. Dorner of the University of Illinois, was also invited to act as an examiner, but *previous engagements prevented his attending. The written

servatory at Garfield Park. The propagating plant consists of 11 houses each, 16 feet by 175 feet, and the conservatory and show houses have a floor area of 68,000 square feet. State how many men you would require to carry on the work and outline briefly the duties of each.

4. (a) At what time, from what material and in what manner would you prepare your main supply of potting soil, and how would you subsequently care for it? (b) How would

CIVIL SERVICE BOARD.

Examination No. 17.

Head Florist, Class A, Grade III.

February 27, 1912.

Subject: Special Subject.

Written Test.

Second paper—2½ hours.

1. The weather being 20 degrees below zero, how would you proceed to deliver a wagon load of begonias and poinsettias at a point 3 miles distant?

2. (a) Name a good grass seed mixture for general use and state how many pounds per acre you would sow.

(b) How may good grass seed be judged by inspection?

3. Give a short list of hardy shrubs suitable for forcing.

4. (a) What is a day's work of 8 hours for a man potting geranium cuttings into 2½ inch pots?

(b) What is an 8 hour day's work for a man shifting geraniums from 3 inch to 4 inch pots?

5. Suppose the nights should turn very cold early in the fall, and you were afraid of frost, how would you attempt to save the plants that were out of doors?

6. Name the important reference books on greenhouse plants with which you are familiar and state briefly the scope of each.

7. Describe briefly the methods of glazing greenhouses, the materials used, and how best to quickly repair breakage.

8. Name four kinds of fertilizers commonly used in greenhouses, state how and in what quantities you would use them.

9. What is meant by resting a plant? Name six plants requiring rest and give the customary time when each requires rest.

10. (a) Name fifteen palms commonly grown under glass.

(b) Name fifteen blooming plants, excluding orchids, that are commonly grown under glass.

CIVIL SERVICE BOARD.

Examination No.

.....

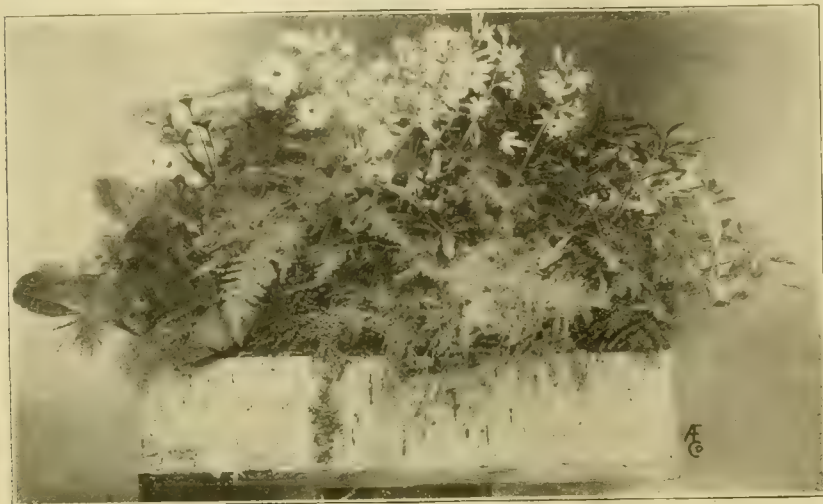
Class Grade.....

..... 1912.

Subject: Experience.

1. I am years old.

2. Write below the names and addresses of all the schools you have attended, the courses you took and



CHRISTMAS BOX BY S. MUIR, CHICAGO.

Birch Bark Receptacle Filled with Roman Hyacinths, Primula Obconica, Ier. Cherries and Asparagus

test in the examination was designed to call out the candidate's resourcefulness and originality as well as his executive ability and practical knowledge of the work.

The practical test included the identification of a considerable number of greenhouse plants and an interview of about a half an hour with the examiners. In this interview the subjects covered included the design and arrangement of greenhouses and a discussion of the present conservatory and any needed additions or changes therein, together with the management and handling of the employes in the floral division. The experience paper brought out the candidate's age, schooling and all practical experience he may have had. The educational subject, which was written, included the writing of a letter, the making out of a payroll, and a few simple arithmetic problems.

The above statements should make clear the methods of examination. The board has recently prepared a chart showing all the positions in the service of the West Park system, showing the authority and responsibility of the various departments and the method of organization.

CIVIL SERVICE BOARD.

Examination No. 17.

Head Florist, Class A, Grade III.

February 27, 1912.

Subject: Special Subject.

Written Test.

First paper—Time: 2½ hours.

1. Give a program for displays in the conservatories throughout the year, beginning with the month of January.

2. When should the plants used in the above displays be started in order to be ready for exhibition at the proper time?

3. Assume that you are in charge of the propagating houses and con-

you dispose of the surplus earth from discarded plants?

5. (a) Name fifteen orchids that are commonly grown under glass and give the time of blooming and time of resting period for each. (b) Answer briefly what is a

- | | |
|---------------|------------------|
| 1. Nymphaea | 14. Cibotium |
| 2. Lymncharis | 15. Dicksonia |
| 3. Nelumbium | 16. Adiantum |
| 4. Victoria | 17. Amaryllis |
| 5. Acacia | 18. Convallaria |
| 6. Delphinium | 19. Eulalia |
| 7. Hedera | 20. Ipomoea |
| 8. Lygodium | 21. Manetti |
| 9. Passiflora | 22. Sphagnum |
| 10. Sedum | 23. Syringa |
| 11. Grevillea | 24. Cyrtopodium |
| 12. Cissus | 25. Philadelphus |
| 13. Primula | |



CHRISTMAS BOX OF BARK.

Filled with Dracena Terminalis, Primula Obconica, Roman Hyacinths, Christmas Peppers and Whitmani Ferns, Arranged by S. Muir, Chicago.



A HOUSE OF CALANTHES

whether you finished or not. If you did not finish grammar school, what grade were you in when you stopped?

3. Practical Experience:

I worked for.....at.....
from to my salary was....
The kind of work I did was.....

I worked for.....at.....
from to my salary was....
The kind of work I did was.....

I worked for.....at.....
from to my salary was....
The kind of work I did was.....

I worked for.....at.....
from to my salary was....
The kind of work I did was.....

CANTON, O.—More than 300 members attended the monthly meeting of the Stark County Horticultural Society November 20.

WAUKEGAN, ILL.—Theodore Meyer, well known florist of this city, was chosen one of the coroner's jury to investigate the cause of the explosion at the Corn Products Refining Co.'s plant, and which resulted in a number of deaths.

ORCHID NOTES.

Calanthes.

The culture of this orchid has increased by leaps and bounds of late years, and there are no more popular cut flowers from the time of the flowering of *Cattleya labiata* on until the *C. Trianae* comes in. The flower spikes will last three weeks after being cut, and can be held on the plant for two months as the buds open in succession for a long time. It is worthy of remark, however, that very few succeed to the fullest extent with calanthes, and the reason is a simple one. It must be remembered that the plants are native to the hot, moist, shady jungles of Burma, and that even *C. Veitchii*, the product of gardens, has been found there as a natural hybrid. These conditions give the key to the culture under glass in that plenty of heat is required from the start until the plants are in full flower, and if it can be arranged so that warmth may be given by means of a small heater all through the summer months, during the nights which are often cool and days that are both damp and cool, there is no orchid easier of culture, or as profitable to grow considering the number of spikes that can be produced from a given space. The bulbs, too, increase rapidly; it is safe to estimate

that the stock can be doubled each year in quantity by natural increase, and spikes of bloom are a reasonable result from a six-inch pot.

Another favorable feature of calanthe culture is, that the benches on which the plants are grown for about nine months of the year are available for other plants during the other three months, that is, when the crop is cut in January the pots may be stored under the benches in a warm dry place until growth begins in April, thus making valuable space for Easter stock, which is quite a consideration, easily compensating for the little extra heat given in summer.

All the calanthes suitable for commercial culture are deciduous, and about this time commence to grow again, and as soon as the shoots are seen at the base of the bulbs these must be shaken out of the old soil, the old dead roots shortened, but leave enough on to enable the bulbs to be firmly potted, using 6-inch pots that are hard burned and will not turn green every two weeks. These orchids are terrestrial, but need plenty of drainage, quite as much as a *cattleya*; the potting soil must, however, consist principally of fibrous loam, tough sod broken up, and if this is not available the usual fern-fibre may be substituted with the addition of some loam, the object being to have a very porous compost, this and the ample drainage mak-

ing it possible to feed the plants in the growing season frequently and every time they are watered with weak liquid manure in hot weather this will be necessary every day. There is no brand of fertilizer that can be used as a top dressing except sheep manure, and this is easily washed off in watering. Any chemical if used will burn the roots as the plants are strictly surface rooting and easily injured, so the feeding must be done with the watering, using a weak solution often until the foliage begins to turn yellow and the flowers to develop.

From the time the leaves begin to unfold, shading is necessary during bright sunlight, the best growers using white on the roof, with the addition of cheese-cloth during the earlier hottest months to be safe from burning of foliage. The plants when newly potted may be placed well up to the light, lowering them as the plants grow higher, keeping a temperature of at least 70° at night; 75° would be better with plenty of moisture in the atmosphere by frequent damping down. Spraying overhead is very risky the earlier part of the year, and if done later on in July there should be no surplus moisture on the foliage at evening; it is apt to bring "black-spot disease" in the bulbs, and also damping of the young growths. The two year old bulbs, if any, should be kept for increase. They will start again and their offshoots will flower the second year. Strong bulbs of last year should make two strong flowering bulbs the present season and thus the increase is rapid compared with all other orchids.

Calanthe Veitchii is the most popular kind; it is one of Dominy's earliest hybrids, raised in 1859. Not all the plants we now have are the result of his cross, however, for others have produced the same thing with considerable variation as to color, size and shape of bulb or compact flower spike. Thus we have many forms of *C. Veitchii*, the poorest being the old "bottle-necked" formed bulb. This is pretty well eliminated from collections now owing to the pale color, and some day we shall see whole houses of the variety known as *C. Sandhurstiana*, the brightest of all. As before stated, Boxall, the great orchid collector, found *C. Veitchii* wild in Burma, growing where the two parents, *C. rosea* and *C. vestita*, are also found wild. The plant was sent to England and flowered there with H. Low & Co. in 1893, or 34 years after the plant had been given to us by the hand of the hybridist.

Calanthe vestita and its two varieties are the next in importance, both being white flowered, one having a yellow eye and the other being dark red, with sprays of flower that arch gracefully and often seen two feet long. The plant known as *C. Regnierii* is the latest of all to bloom and it is also the strongest grower. Geo. McWilliam of Whitinsville, Mass., has raised many fine *calanthes* from seed by the use of this last species. They are, in fact, the finest *calanthes* known and he is to be congratulated on his success and pioneer work in showing others how well these fine winter flowering plants can be done. Critical flower buyers are ever ready for something different, and if it is good, so much the better. We know of *Calanthe* flowers that were exhibited at a show, were then sent to Washington, D. C., and there served to decorate two festive occasions, still in good condition. What more can one expect?

E. O. ORPET.

THE CARNATION.

The Christmas Crop.

The Christmas crop is the most interesting and important part of the carnation grower's work at this period, and unless the foundation for it was laid some months ago there will not be much to look forward to now. It is not a crop that may be forced along in a couple of weeks, for the growth that produces the Christmas flower has been in progress for many weeks, and to get that stiff stem and large flower that gladdens the heart of both dealer and customer, it is necessary to give a steady temperature, an abundance of fresh air, plenty of water but not too much, and to watch out for predatory insects.

A steady night temperature of 50 degrees is just about right to give the best results, and if this temperature is often exceeded the growth will soon show it by its long-jointed and soft appearance. Too much fertilizer will also soon show its natural effects on both growth and flower, and especially if the fertilizer be one that is rich in nitrogen, for example, sulphate of ammonia or nitrate of soda, both of which are very quick acting nitrogenous manures; and either one used to excess will produce sleepy flowers and general dissatisfaction.

Light top dressings of lime are frequently beneficial to the carnations during the winter, not only from the fact that the application of lime to the soil tends to correct any acidity that may be present, but it also helps to release some of the insoluble matter that may be found, notably some compounds of potash. It is probably the latter action of the lime, that is, the releasing of some of the potash the soil contains, that accounts for the stiffening of the stems that is attributed to the lime.

A period of dark and damp weather after the application of some special fertilizer is one of the trying things to the grower, for the action of nitrogen especially is likely to be injurious if such weather prevails for any length of time. Liquid fertilizers are seldom required until after the holiday period, partly from the fact that a good compost will seldom be exhausted enough to require liquid feeding before the middle of January, and partly because this method of feeding is not so satisfactory when given while the days are shortening. Some soils seem to be much benefitted by occasional top-dressings with wood-ashes, and for that matter this is a fertilizer that is not likely to do harm to any soil, its chief manurial value being found in the potash and lime it contains.

But as has been frequently remarked before, the only way to find out what



CHRISTMAS BASKET.

Large Handle Basket, with Azaleas, Ericas, Pandanus Veitchii, Asparagus, Adiantum Farleyense and Nephrolepis, at W. J. Smyth's, Chicago.

the soil needs is to experiment from season to season, and while doing so to keep a corresponding bench or portion of a bench without the manure, in order to keep a check on the results. Propagation is now one of the matters the carnation man needs to keep in mind, for early cuttings make the best plants, always provided that these early rooted plants are not allowed to become pot-bound and stunted before they are planted out.

The propagating benches should be in a clean condition before the sand is put on, and if all woodwork about the benches had a good coat of whitewash and the whitewash were mixed with some solution of copper sulphate before using, there would be less risk of fungus developing after the bench is filled.

Some growers will use the same sand for more than one lot of cuttings, and possibly it is safe to do so if a soaking of boiling water can be given the sand between crops, but it is better practice to remove all old sand after a crop of cuttings has been rooted therein, and to refill the benches with clean sand fresh from the pit. Then take the best cuttings that can be had, protect them from sun and draughts, water them in thoroughly after planting in the sand, the latter having been made firm before the cuttings were put in, keep the temperature as near 50 as possible, and there should not be any difficulty in getting them to root.

As to whether the leaves ought to be trimmed on a carnation cutting or not, we would say that this is partly a matter of taste and partly one of convenience, for the trimmed cutting is easier to plant than one having all its foliage. In addition it has not quite so much evaporating surface exposed to the air during the period it is in the propagating house, and before it has roots to support it.

W. H. TAPLIN.

The Most Trying Season.

We are reminded by the nearness to the holiday season that we are also drawing close to the most trying period for the carnation plants as well as to the season of the highest prices for the flowers, and it behooves us to watch closely and cater to the plants' needs, at the same time encouraging in every way the development of the blooms without causing any condition that will lead to the deterioration of the health or growth of the plant for the future. Every grower is of the same desire just now and that is to be able to get in a large cut of flowers during the holiday season and many are tempted to resort to extremes of temperature and other ways to force the flowers open. But this can be carried just so far and no farther without injury to the plants.

A house of plants well up in bud that are showing color can be given a few degrees higher temperature for a week or so to hasten out those buds that are nearly ready without any material injury to the plants, provided the soil is held a little to the dry side, but a break of this kind from the general culture of the plants must be governed by caution and common sense. It would be folly to raise the temperature of the house from 4 to 6 degrees and then pour a flood of water on the roots, as it would be also to allow the soil to become extremely dry. Personally, I am opposed to any forcing of the carnation for any



DECORATED POT OF ERICA MELANTHERA.

Encased in Lavender Raffia Tied with Blue Ribbon.

purpose whatsoever but am free to admit that there are exceptions to the rule and instances where a few degrees higher temperature, as previously stated, will not lessen the vigor of the plants but will hasten the development of the blooms.

Many growers will plant a house of red carnations, top them and treat them generally throughout the season with the main object in view of having them produce a heavy crop of flowers during December, January and February and then as the room is needed for the young stock of the other varieties gradually clean out the old plants to make space for the young. In a case of this kind every extra flower that the plants can be induced to mature during the months stated is so much gained but the warning signal of the poor keeping qualities of a carnation flower grown in a high temperature should always be before the mind of anyone who follows out this method of treatment.

The condition of the market for carnation blooms at this time is such that there should not be any need of holding on to any flowers. Allow them to be cut right along steadily as they develop. There is too big a supply of fine plant stock for Christmas about the country to think for one moment

that there will be any place for over ripe cut flowers. Everything will have to be crisp, fresh and of good color.

The general routine of culture should be given strict attention. The matter of temperature is one of great importance. Do not allow any extremes in either direction. Watering is also of equal importance. It will be necessary to watch the soil more closely as the firing becomes steadier. The work of keeping the shoots in the rings or supports should also be attended to closely, and another thing of equal importance is that of fumigating or keeping down the insects. To allow the green fly to work on the growths quickly plays havoc with them. Red spider will make itself troublesome if given half a chance and the very best guard against this is to maintain an even temperature at all times with ventilation as the weather permits.

C. W. JOHNSON.

PROVIDENCE, R. I.—The greenhouse owned by Arthur P. Kupfer, 234 Potter avenue, was damaged by fire November 14.

LAWRENCE, KANS.—The Kline Floral Co. has released its rights to the Luther Greenhouse to — Luther, but will continue in business at 811 Massachusetts street.

CHRYSANTHEMUMS

Stock Plants.

There has been so much written on this subject it is beyond us to supply anything new. In fact, it seems hardly necessary to repeat the details which have so often appeared in the columns of THE AMERICAN FLORIST. It is only in the hope that some of the suggestions offered will be of service to the inexperienced that we are prompted to write this article. The chrysanthemum is generally perpetuated by cuttings taken from the base of the plants, which have just passed their flowering season. Each grower must decide how many will be required to meet his demands, which may be from a few plants to several thousand of a kind. It is difficult to give advice as to how many to save, for much depends upon the varieties grown; some are more productive of cuttings than others and also root more freely. Strong stock plants should give from twenty to one hundred each by May 15, and if the first few batches of cuttings are planted on benches and treated as stock plants these figures may be increased many times.

The old plants are usually lifted and planted closer together to economize space and in this operation one must be governed by their size. As a rule, two to four inches apart according to their vigor, will suffice. Such varieties as the Chadwicks, Virginia Poehlmann and several others which do not make rhizomes or underground stools, succeed better if allowed to remain undisturbed where they flowered and to those growers who do not require the room we would suggest that this plan be adopted; or if the transplanting can be deferred until they are making active growth, say the middle of February, so much the better. Those who propagate for their own use and are not obliged to begin this operation until March should keep the stock at a low temperature, anywhere between 40 degrees and freezing point will answer. Those who are interested in the distribution of plants and cuttings and desire early deliveries will need to keep them slightly warmer, say about 50 degrees. The judicious application of water is very important. Keep them a little on the dry side until the sun begins to return and greater activity is manifested. Give abundance of air at all times when the weather will permit and a light situation is preferable. Never put them under the benches or in dark, shady corners if you expect first-class cuttings.

ELMER D. SMITH.

Care of Cut Blooms.

ED. AMERICAN FLORIST:

We have had some trouble with our chrysanthemums. We cut them fresh, leave them stand in water from six to eight hours before shipping, and we have had some complaint of their withering a couple of days after.

J. H. B.

Appleton, Wis.

The keeping qualities of cut chrysanthemums are influenced by many conditions. In the first place, some varieties possess more substance than others and thus are able to remain in good

condition for a longer time than others. Conditions under which they are grown also have a decided effect. Very nitrogenous food, like nitrate of soda, has a tendency to produce soft petalage. Those which are grown in a low temperature, with an abundance of air, will keep the best and allowing them to develop fully or nearly so, before cutting, is a step in the right direction. The petals mature, become dense or firm, the same as the foliage at maturity. From our observations most of this trouble is due to premature cutting. Storing in water in a cool place before they are to be used is beneficial. Further than this we can not suggest anything to J. H. B. that would be of assistance.

ELMER D. SMITH.

Diseased Chrysanthemum Foliage.

ED. AMERICAN FLORIST:—

Enclosed please find leaves of chrysanthemum Jeanne Nonin. They are planted side by side with other varieties in the same house and the same soil, Jeanne Nonin being the only one that has the disease. It starts at the bottom of the plant and works up until it reaches the flower in some of them. Any information as to the disease, cause and treatment will be appreciated.

C. F. C.

Ontario.

The samples of foliage supplied by C. F. C. are affected with one of the several kinds of leaf spot which are quite prevalent. We would conclude this species of fungus disease is the

one known as cylindrosporium, and whenever apparent is usually found on Jeanne Nonin—in fact as C. F. C. states, no other varieties are affected. Bordeaux mixture and several other fungicides are recommended, but the applications should begin when the plants are small and before this trouble is noticeable to be of much use. In the case of Nonin we think any condition that checks the growth will develop it. The best results we have had are from stock planted before they became pot-bound and kept in an active growing state throughout the season.

ELMER D. SMITH.

Marketing Narcissus and Hyacinth Blooms

IN FRANCE.

If the rose and carnation cultures of the Department of the Alpes-Maritimes have made the floral prosperity of the Cap d'Antibes and the region about there, from Cannes in southern France to Ospadeletti in Italy, certain it is that the narcissus and hyacinth blooms of Ollioules have made rich the peasant growers of this comparatively unknown sunny little corner of Mediterranean France. In the Department of the Var, in which Ollioules is situated, and of which Toulon is the chief commercial city, there are some six thousand acres given up to floral cultures on a commercial basis. By far the greater part of this area is laid down in narcissus, hyacinths and violets, with a scattering acreage back from the coast devoted to perfume plants, and a trifle more, near Bandol, to those curious little dried blossoms



BEGONIA CLOIRE DE LORRAINE.

Grown by Frank Oechslin, Chicago.

known to the commercial world as "immortelles," or "everlastings."

Nowhere else on earth does the Vrai Narcisse, the Narcisse Tazette, the Campanelle or the White Roman hyacinth reproduce or flower so luxuriantly as here. A million francs worth of bulbs are bought in this market alone by American dealers, and during the cut flower season, from November to April, the miserable shack of a railway station which serves the little

it was impossible to predict the flower crop. Practically the same is true of the narcissus, of which at least 250 acres were planted at Ollioules, chiefly the grandiflora, ornatus and Golden Spur.

Because of the insidious cryptogamic malady which has made the hyacinth crop of these parts so problematical in recent years, its culture, at Ollioules at any rate, taken from the point of view of its prospective cut

early in January and be at their best before the last week of the month or in the early days of February.

The Dutch Hyacinths, curiously enough, have not given expected results at Ollioules, in spite of the fact that an increasing number of Dutch growers are locating here, or at least are enlarging the scope of their relations by planting out on hired ground.

Some millions of freesias are produced at Ollioules, but the iris, anemone, gladiolus, tulip and Lillium Candidum are cultivated for their blossoms in but feeble quantities. What prosperity this great industry has actually brought to Ollioules—to Hyeres, Le Pradet, la Garde, Carquieranne, and Solies-Pont as well—only one who has learned something of the history of the traffic on the spot can realize unless it is all set down for him in black and white. The bulb cultures of Ollioules began in 1880, and within a dozen or fifteen years became the chief industry of the neighborhood (the phylloxera having meantime all but destroyed the grapevines which had previously been a source of riches), but only with the means of the rapid expedition of cut flowers in recent years by special cars attached to regular trains, later by the famous "Train des Fleurs," by increased parcel post facilities, by improved methods of packing and handling, by hermetically sealed special cars and by a special staff of travelling sorters, has it been possible to guarantee the arrival in far-away markets in good condition. All this was primarily the work of a syndicate, the Ligue Florale du Sud-Est, at least so far as the development and refinement of the traffic is concerned. By such paternalism the commerce of these parts has grown to its present huge proportions.

Actually the base of the bulb and cut flower industry of Ollioules rests on the hyacinth and the narcissus, the latter particularly with respect to the "trompette" and "grand monarque" varieties. Of a peculiar rusticity the narcissus can be made to grow luxuriantly in many places where



MARKETING NARCISSUS AND HYACINTH BLOOMS IN FRANCE.

A Narcissus Plantation of First Rank.

bourg of Ollioules temporarily shelters nearly a quarter of a million paniers of cut flowers of the above mentioned varieties almost exclusively. These are ultimately handed over to the "Cut Flower Special" of the P. L. M. Railway, which each night flies onward to Paris, with connections for the markets of London, Berlin, Cologne, Hamburg and St. Petersburg, at a speed only equalled by the famous Cote d'Azur Express, filled with joyous livers bound to or from the capital and Monte Carlo's gaming tables.

Open air bulb culture in winter is a thing to make the American enthusiast green with envy. Some few hyacinths hereabouts are grown under glass frames, and some even under straw mattings which are rolled up during the day and stretched out again at night over low frames, a practice which obtains more largely in the open air carnation and rose cultures further east on the coast, and already treated of in a former article. Above all the bulb cultures of southern France, whether the product is sold as "oignons a fleurs" or as blooms, remain practically a monopoly of Ollioules and its neighboring battery of little townlets.

Renoncles have this year, to a larger extent than formerly, been planted at Ollioules, some four million having been put into the ground by one grower alone, chiefly of the varieties commercially known as Romano, Merveilleuse, Barbarousse, Hercule, Carmin, Seraphique, Viridis and Supreme. Up to December the growth of Renoncles was normal, but at that time

flower return, has considerably diminished. There are not more than a hundred and fifty acres exclusively planted with hyacinths the present season. The blooms of the hyacinth have every expectation of being of the usual luxuriance, whatever the extent of the supply, and may be expected to mature



MARKETING NARCISSUS AND HYACINTH BLOOMS IN FRANCE.

Beds Laid Out for Good Drainage and Irrigation at Ollioules Before Planting.

the hyacinth fares but badly. On the other hand its very peculiarity seems to demand certain exigent conditions which are more nearly approached at Ollioules, and certain other districts neighboring upon the great French war port of Toulon, than elsewhere on the French and Italian Riviéras.

The secret of a successful cut flower commerce all depends upon the ability of the grower to market his product at a propitious moment. Particularly does this apply with regard to low cost open air production as at Ollioules. With glass-house forcing the problem is quite of another sort and has no consideration here. The open air, the warm southern sun, the sheltering mountain background, and such provision of wind-breaks as, in some instances, may be thought necessary are the only means employed to encourage flower growth at Ollioules.

From four, five, six or seven blooms can usually be counted on as a season's result from a single planted narcissus bulb—the traffic in cut flowers, it should be understood, being quite apart from that of growing "re-producteurs" (bulbs) for the market, the two seldom being carried on together.

Prices for the blooms vary considerably according to the demand and the time of their arrival in the northern markets. If the temperature of the early winter has been mild and the crop of a supreme abundance, prices may be low; or again, in the case of a rigorous season, the reverse may be the case and high prices rule. A basket of five kilos (approximately six pounds) of 48 dozen of narcissus blooms will bring all the way from five to fifteen francs according to ruling conditions, say one dollar to three dollars; but only at an average of seven francs a basket (\$1.40) does it become really profitable to the grower who is also loaded with the cost of packing (emballage perdu) in reed baskets which he supplies free and shipping charges to Paris or a frontier station, such as Boulogne, if for England, or Petit Croix, if for Cologne or Berlin. This latter charge is invariable—1 franc, 25 centimes, approximately twenty-five cents. On November 20, 1911, the five kilo baskets of narcissus were quoted on the Hamburg market at seven francs, and at Cologne at eight, the latter being the ruling price at Paris on the same day, except that the demand of the capitol is for 100 bunches to the basket, at of course double the price of the five kilo paniers.

Early in November, on All Saints Day, where the blooms have proved sufficiently precocious, Paris will absorb all of Ollioules' visible supply, often at forty francs (\$8.00) the hundred dozen, three times the habitual ruling price of a fortnight later. Of 3,000 bulbs planted to the "are" a first year's return in blooms is perhaps 375 dozen of an average value of 56 francs, 25 centimes, approximately a gross return of \$450.00 an acre. The second year gives the same, or a trifle more, while the third year often returns 1,000 dozen of a value of 150 francs, \$2,000.00 gross, to the acre. The fourth and fifth years may produce 1,500 dozen to the "are," which at 225 francs works out \$3,000.00 to the acre.

It is to be borne in mind however, that no charges are imposed on these

returns as yet, and when the figures are reduced to a bare 125 francs net return to the "are," 12,500 francs to the hectare, approximately \$1,000 an acre (in the year of the greatest productiveness) the return is not enormous, at least not according to American standards, though it suffices here. Many a small peasant grower with his wife and children working the garden to the exclusion of hired labor may make on a half acre bit of ground, "bon an, mal an"—good season and bad—but a quarter of the above named sum if everything goes well. That, surely, is not a great return, but again it suffices, in the absence of a more remunerative occupation, for even if he would the peasant grower often lacks the



Marketing Narcissus and Hyacinth Blooms in France.

Straw Matting Used for Protection at Night.



Marketing Narcissus and Hyacinth Blooms in France.

Labor at 30 Cents a Day.

ability to develop his business and enter the open market, almost invariably selling his product to a negotiant or shipper who meets him with various demands for traditional rebates, which he protests against, but which he allows nevertheless, because he has not the machinery, the initiative or the education which enables him to do otherwise.

These are the ruling conditions in the Department of the Var. Farther east, in the Alpes-Maritimes, bordering upon the Italian Frontier, in the region of Nice, the open air narcissus culture commonly gives a return of but 40 francs an "are," a bare \$300.00 an acre net. It is thus shown that in spite of the semi-protected rose and carnation cultures which produce such magnificent returns on the Riviera the flowers of almost all the bulb cultures of southern France bring the most profitable returns when produced in the neighborhood of Toulon, notably at Ollioules.

There is much for the American grower and shipper to learn with regard to the handling of the cut flower traffic by observing the methods in vogue in southern France, and when on Broadway, or Chestnut Street or Michigan Avenue, you can buy violets for a penny a bunch, or narcissus or hyacinths blooms at from five to twenty-five cents a dozen, the love and appreciation of flowers may be said to have extended to the masses who today spend their nickels and quarters on a riot of moving-picture and music-hall shows with nothing in return as a result.

Some statistics of the French post office authorities with regard to the parcels post shipments of cut flowers from southern France should be interesting in view of the fact that we have nothing of a like nature to correspond, above all at the price. A parcel of six pounds costs seventeen cents; ten pounds, twenty-five cents—delivered anywhere within the great rhomboid of modern France. This makes it possible to sell violets of Hyeres, the narcissi of Ollioules or the carnations of Antibes at Brest in Finistère, at Rouen in Normandy or at Dunkirk in Flanders at bargain prices, and since they don't grow in those places, and can't be made to, who does it hurt?—not the local dealers, for they too, get their supplies in the same manner.

From Hyeres, in February, 1909, 12,000 parcels of cut flowers (chiefly violets) were sent to England, 9,000 to Germany, 12,000 to Paris, in all, nearly 40,000 separate shipments, counting those sent to other parts as well. From Ollioules 205,000 separate shipments were sent out in the five months' season; 180,000 from Hyeres; from Carquieranne, even, a little bourg of but a few hundred inhabitants, went 55,000; from Antibes there were shipped 110,416; from Nice, 3,106,777 and from Cannes 233,962. These totals are something incomprehensible to the stranger, but it is cheap transportation that does it.

This is the real popularizing of the love of flowers, the vulgarization, the French somewhat enigmatically call it. At any rate it is the bringing of cut flowers to the masses, a thing that the gold and marble fitting of the florists' shops of the busy corners at home have not been able to do. The traffic is as yet in its infancy in America. Who is to be the real popularizer? Is the new cult to have its headquarters in Chicago, New York, Philadelphia or San Francisco? Growers, shippers and dealers should get ready for it. The fad for flowers is surely headed their way. It bids fair to knock out the caramel craze, and a good thing it will be doing. Not all saccharine sweetness lies at the bottom of a box of candy.

M.

WITH THE GROWERS

John N. May, Summitt, N. J.

It would not seem natural to visit Madison and this part of New Jersey and not call on J. N. May. Roses are the main crop at this establishment but a considerable number of carnations are grown, as are also quite a quantity of pompon chrysanthemums. The pompons were in exceedingly fine shape and a bench of yellow, another of white, and a house of late yellow, were as pretty as a picture. All were clean and healthy, with fine color of bloom and luxuriant foliage. The Enchantress family of carnations is the favorite here, and they appeared to be quite at home in this soil, the plants being strong and heavy, and ready for business.

The roses were all in good health, a house of Sunburst being especially good, both in growth, size and color of flower. Mr. May is getting a better color with this rose than any we have seen this season. A house of the old Bon Silene was quite a novelty as we had not seen a good bench of this old-time favorite for many a day. The plants were in fine shape, sending up a good crop of blooms. American Beauties are grown to some extent but the main crop is Killarney and its sports. The Brides and Bridesmaids that this place was at one time famous for are not grown at all any more. Everything about Mr. May's establishment is neat and well kept up.

C. W. JOHNSON.

Dailledouze Bros., Flatbush, L. I.

This establishment has long been noted for the high quality of the stock turned out and this season is not going to be any exception to the rule. Everything on the place, from beginning to end, is in fine shape. The reason for this can easily be seen in the systematic and thorough way in which the place is run. When the chrysanthemums are done another plant of some kind is ready to take their place. A house of lupins is already in and another of sweet peas, following the early mums. We note a fine looking bench of winter-flowering wallflowers, also several benches of the mignonette or polyanthe type of rose, in fine vigor, just beginning to send up fine sprays.

The commercial varieties of chrysanthemums were all cut out, with the exception of some Golden Eagle, President Roosevelt, Maud Dean and a small lot of Harvard—a new crimson which as grown here is one of the best of this color for commercial purposes that I have ever seen. A light pink sport from Maud Dean is also very beautiful. It is a big improvement over the parent variety, not only in color but also in form and fullness. The pompons are also grown here in quantity. They are mostly varieties possessing good commercial qualities and were in fine shape all along the line, particularly a bench of Baby and another of the variety Frank Wilcox, or as it is known in the west, Mrs. Frank Beu.

It is to be expected that in a visit to the Dailledouze Bros.' place our chief interest would be centered in the carnations. We expected to find

fine stock, both as to growth and quality of bloom, and we found it with every variety grown. Some of the varieties did not measure up to the Enchantress family as they grow it, but this type is grown here as good as the best to be found anywhere. White Wonder was in fine shape, both as to the quality of bloom and the condition of the plants. Several seedlings

Cottage Gardens Co., Queens, L. I.

The Cottage Gardens Co. is famous for the fine carnations produced and is the home of the varieties Alma Ward and Mrs. C. W. Ward. After seeing the fine vases of Matchless (white) and Vivid (cerise) on exhibition at the American Institute Show we were eager to see these varieties growing. A large house is given up



MARKETING NARCISSUS AND HYACINTH BLOOMS IN FRANCE.

The Sheltering Mountain Background at Ollioules.

are under trial. One in particular, a good commercial pink, occupies one of the large houses. It is not of very large size but the growth and freedom of bloom is very good and looks to be a great producer.

Another house is given up to Enchantress Supreme for blooming and several benches to the same variety for propagating purposes. Also a house of cuttings of this variety was already in. This is a salmon sport of Enchantress and as seen growing here it is a decided improvement, not only in color, but in the form of bud. Although it grew side by side with Enchantress we could not find any hump-back buds, while a number were found among the Enchantress. The color of the petalage is not only salmon on the upperside, but is of the same color on the reverse. Mr. Dailledouze says that the color deepens as the season advances and is better in midwinter than now. This being the case, this variety should displace Enchantress to a great extent.

C. W. JOHNSON.

to Matchless and it certainly is as fine a carnation as is to be seen anywhere at this time of the year. This flower is very large, pure in color and of fine form. It is not quite up to White Perfection in purity or form of flower but it is going to make that variety hustle for first honors at the exhibitions. The large quantity of stock on hand means that this will be prominent at the shows this season.

The variety Vivid, as the name implies, is a very bright cerise. This is a very striking flower, a good grower and very free, but—Tyler, who has charge of the growing at this establishment, is not quite satisfied this year and expects greater things next season when the plants will be given a better show. This season's plants were propagated late and were small when planted. A number of seedlings are on trial, a house of crimson looking good and several others coming along. The main plantings of Mrs. C. W. Ward were pinched back late and are not yet in full crop, but the plants promise well. Alma Ward is not grown to any great extent any more, it being

found that others are freer and consequently more profitable. Beacon is at home in good shape as usual. Everything about this place shows close application to business.

C. W. JOHNSON.

Brown Floral Co., Canton, O.

The Brown Floral Co. of Canton is fast coming to the front as one of the great establishments of Ohio. Last season three new houses, each 36x300 feet, were erected. This season four more houses and a large propagating house have been built. While the houses erected this year are not as large as those of last year, they are being admirably fitted up for the culture of mixed stock. All the benches are of concrete construction and great skill has been shown throughout. All the houses are equipped with the Advance ventilating apparatus. The Brown firm has a large part of its 100,000 square feet in roses, chrysanthemums and pot stock, but the larger part of the space is devoted to carnations, in the culture of which they excel. They now have many plants of a pink seedling that originated with them and that looks very promising. It is a cerise pink and of a shade that is equal to any variety we have seen. This company has a large wholesale store near the B. & O. depot where a fine line of supplies are also kept in stock. Near the city square they have another store that caters to their large retail trade. Charles Brown, the head of this concern, has been in the flower business in Canton for thirty-two years. He first located on what is now Brown avenue, the thoroughfare having been named for him, and remained there twenty-two years. Ten years ago he bought his present location near the Stark county fair grounds and has continued improving ever since. In the greenhouse management he is ably assisted by C. A. Charlson, who has been with him for twenty-six years, and who is a fine grower and a genial man. Though Mr. Brown is reputed to be wealthy he leads the simple life and is a hard worker, but is never too busy to lend a helping hand to worthy purposes.

The Dreer Delivery System.

The firm of Henry A. Dreer, Inc., Philadelphia, Pa., is another of the many progressive concerns which either have already discarded their old style horse delivery systems or are rapidly doing so. This firm laid the foundation of its present efficient system last year by installing a three-ton motor truck and soon learned that this is the ideal manner of handling large quantities of goods quickly.

"With these auto-trucks," says a member of the firm, "we not only make quick delivery to railroad and steamship companies of orders for customers living at a distance, but we are also enabled to quickly deliver the orders which are received from customers residing in the city and nearby suburban towns. The present Dreer system consists of one three-ton truck which is automatically heated during cold weather, one three-ton truck with tarpaulin sides and one two-ton machine, all of which are efficiently handled by men who formerly had charge of our horse-drawn vehicles. Besides the great advantage of quick service, this method of delivery, together with a complete telephone service, brings us in such close communication with

the nurseries nine miles distant that we are now enabled to conduct our seed and plant business in as satisfactory a manner as if they were under the same roof."

What is true of the Dreer firm holds good with many other concerns and this system of delivery seems destined to crowd the horse out almost entirely. It appeals to the small florist quite as much as the larger firm, a light car being now possible at small cost. The first cost may be about the same or a little more than for horses and wagons, but the cost of maintenance and the fact that one machine will do the work of several horse-drawn wagons and one man will take the place of two or three must be taken into consideration. The running expense of an auto and a horse and wagon are about the same and the auto does not eat when not working. A further advantage lies in the fact that a machine will cover much more territory than a horse in the same time, and this gives the florist a fine chance to expand.

Third International Flower Show.

The receipt of further special prizes is reported by Chairman Chas. H. Totty, among them the following:

By the Missouri Botanic Garden, St. Louis, Mo., a cash prize of \$500 for the most meritorious new plant exhibited, the plant to be judged as to its economical value or aesthetic qualifications, or both, and to possess characteristics making it distinctly different from, or an improvement over, similar plants previously grown.

up, and the exhibits staged will be most comprehensive in their scope.

The following is a list of those in the trade who have already taken space:

A. N. Pierson, Inc., Cromwell, Conn., \$591; W. E. Marshall & Co., New York, \$220; John Lewis Childs, Floral Park, N. Y., \$200; Reed & Kelly, New York, \$300; Revere Rubber Co., Boston, Mass., \$260; Peter Henderson & Co., New York, \$1,000.50; Pierson U-Bar Co., New York, \$600; Wm. Tricker, Arlington, N. J., \$100; Hitchings & Co., Elizabeth, N. J., \$300; The Weathered Co., New York, \$270; Lord & Burnham Co., Irvington, N. Y., \$900; Roman J. Irwin, New York, \$100; Ralph M. Ward, New York, \$100; Mt. Desert Nurseries, Bar Harbor, Me., \$150; Schloss Bros., New York, \$154; H. F. Michell Co., Walden, N. Y., \$100; Coldwell Lawn Mower Co., Newburgh, N. Y., \$100; Burnett Bros., New York, \$120; King Construction Co., N. Tonawanda, N. Y., \$150; J. A. Peterson & Sons, Cincinnati, \$75; Bon Arbor Chemical Co., Kearney, N. J., \$100; J. M. Thorburn & Co., New York, \$650; H. G. Dreyer & Son, Cleveland, Ohio, \$100; Knight & Struck, New York, \$200; Johnston Heating Co., New York, \$273; Bobbink & Atkins, Robert Craig Co., R. and J. Farquhar & Co., Kroeschell Bros. Co., B. Hammond Tracy, Julius Roehrs Co., F. R. Pierson Co., A. T. Boddington, the Advance Co., and the Stump & Walter Co., will all take large blocks of space but have not definitely decided on the location or the amount of space they will require.

Among those who have taken space



MARKETING NARCISSUS AND HYACINTH BLOOMS IN FRANCE.

Wind-breaks, Glazed Sashes and "Baches."

By the New York and New Jersey Plant Growers' Association, \$25 for the best 50 feet of geraniums; and \$25 for the best 50 feet of bedding plants, geraniums excluded.

John Young, manager of the trade exhibition to be held in connection with the International Flower Show to be held in New York in April, 1913, reports that space is being rapidly taken

in the official program are: A. T. Boddington, Peter Henderson & Co., the Florists' Exchange, Revere Rubber Co., the Brecht Co., W. F. Kasting Co., Lord & Burnham Co., Hitchings & Co., Charles H. Totty, Welch Bros., Benjamin Hammond, Traendly & Schenck, Philip F. Kessler, Henshaw & Fenrich, Aphine Mfg. Co., W. Atlee Burpee & Co., N. F. McCarthy & Co., R. & J.



THE GEORGE ROBERT WHITE MEDAL OF HONOR.

Awarded to Prof. Sargent, Jackson Dawson and M. H. Walsh.

Farquhar & Co., New York Cut Flower Co., Henry A. Dreer, Inc., A. N. Pierson, Inc., Johnston Heating Co., Burnett Bros., John Lewis Childs, P. J. Smith, Walter F. Sheridan, Bon Arbor Chemical Co., Arthur Cowee, Anton Schultheis, Badgley, Riedel & Meyer, C. C. Trepel, William Thomson's Sons (Scotland), Edw. V. Low, (England), Schloss Bros., Roman J. Irwin, R. Vincent, Jr., & Sons Co., Thomas Roland, Gude Bros. Co., Coldwell Lawn Mower Co., F. R. Pierson Co., J. Roehrs Co., Waban Rose Conservatories, The Horticultural Co., A. J. Guttman, Inc., Wm. E. Marshall & Co., J. M. Thorburn & Co., Charles A. Dadds, Max Schling, Paul Meconi, the Kentucky Tobacco Products Co., The Weathered Co., Moore Hentz & Nash, the Advance Co., J. William Colflesh's Sons, E. G. Hill Co., M. A. Bowe, B. Hammond Tracy, Cottage Gardens Co., A. H. Langjahr, H. E. Froment, Standard Thermometer Co., Quaker City Rubber Co., Wm. Kessler, The Kervan Co., Alex. McConnell, Weeber & Don, A. L. Miller, Florists' Hall Assn. of America, E. S. Miller, Knight & Struck, Pierson U-Bar Co., Hontsch & Co. (Germany).

J. H. PEPPER,
Chairman Publicity Committee.

The Roses of Roumelia.

The real rose garden of Europe is the Thracian plain, in Bulgaria. Here are grown the most fragrant roses of the world in such great quantities that the plain is transformed into a veritable bower.

This is the region which supplies the world with the best attar of roses. The very best is stamped Kasanlik. One hundred and seventy-three Thracian villages in the region of Kasanlik are devoted to rose culture. Roses, roses everywhere, until the air is fairly oppressive with the superabundance of odor.

This, at least, the Bulgars owe to Turkish occupation of the plain. Attar of roses was a Turkish secret at one time. It was a sort of home industry. They grew the roses in their private gardens, and distilled the attar



Dreer's Delivery Trucks.

to supply the harems. It was one of the many luxuries of the wealthy Turkish household, as oils and perfumes at the baths of the last days marked the degeneracy of the decline of Rome. The Ottoman dilettante has gone, but he left rose culture as his legacy to Thrace. Now it has become a very modern industry, and is being exploited by large firms and combines. Many of the thrifty Germans have found this a very palpable means of making a fortune in the Balkans. It seems to strike horror to the soul of the poet, an insult to one's finer sensibilities to think of rose culture as so purely material, but it is none the less true that there are rose speculators in Thrace who are growing as corpulent as some of the American grain specu-

lators on Wall Street. Whole plots of roses, bed after bed of them, are bought before they are even in bud. Representatives of the firms are found in all of the big cities of the world.

The distilling of the rose for its essence originated in Persia, the word attar in Persia meaning fragrance. Up to three hundred years ago only rose water was known. Then the Persians discovered the method of extracting the essence. The secret spread to Arabia and through the Orient, was picked up by a wandering Turk, who took a rose tree with him from the Barbary states, and planted it in Kasanlik, and so began the industry characteristic of the whole Turkish empire, but more particularly in this little tract—this little out-of-the-way place that used to be Roumelia. There are plenty of regions where roses are grown but nowhere so successfully as here. The attar rose is a product of climatic conditions, and while the same methods that have made the industry as prolific in Bulgaria have been tried elsewhere, no one has yet been able to produce anything "just as good."

The rose harvest begins about the middle of May and lasts until the middle of June. Picking is done by women and children very much the same as American fruit growers and gardeners employ berry pickers. About two acres of land produce 6,600 pounds of roses. Think of talking of roses by the pound! Almost a desecration, it seems. But millady of Europe and America to whom attar of roses is an indispensable article of toilet does not know how much more desecration this same emblem of poets and lovers is put to before it finds place on her dressing table.

The rose petals are distilled in a copper vat resting upon a furnace. A cooling tube enters the top of the vat on one side and passes out into a flask on the other. The operation lasts about an hour and a half and must be kept up constantly, for if rose petals stand over twenty-four hours they deteriorate in value and must be used for cheaper grades of the essence. The rose water must be distilled twice in order



Alex. Henderson, Vice-President.



E. F. Winterson, Treasurer.



Wilder S. Deamud, Secretary.

OFFICERS CHICAGO FLORISTS' CLUB FOR 1918.

to extract the attar. From forty litres of rose water, five litres of attar are distilled. Upon the attar collects a yellow oily layer, which is skimmed off by means of a cone-shaped bowl.

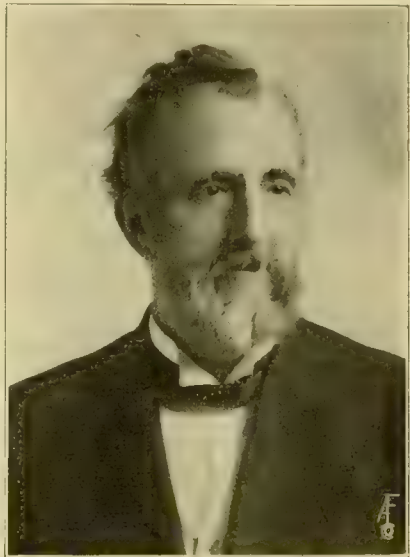
Of course, even the best attar of roses in this modern age of adulteration is never pure. There are various processes of adulteration. White rose petals are often mixed with red, the white being more abundant but less valuable for attar. Attar of geranium is used to adulterate the attar of roses, too. This is made in India, and recently its importation has been forbidden by the government, but it is still being used secretly. Oil of turpentine, too, is a favorite form of adulteration.

It would seem impossible that the peasants who grow the roses even for industry should not imbibe something of the beauty of the flowers. And indeed they have. A simple, kindly folk they are, given to trusting much. Too much, indeed, for they are being ruthlessly exploited by merchants and monopolies. Many of them make their own attar of roses by the old-fashioned simple methods. This the shop keepers often choose to buy at a very nominal price rather than incur the risk and expense involved in manufacturing by modern methods. In spite of adulterations, to make one pound of attar of roses, it takes 4,000 pounds of petals. And for one ounce of attar manufactured by the home methods of the peasant, he receives 18 shillings. The London merchant values the same goods at 8 pounds.

WATERLOO, IA.—Ed. Blakeman of Decorah was elected president of the Northeastern Iowa Horticultural Society at the annual meeting held here recently.

GALESBURG, ILL.—Henry F. Drury held a chrysanthemum show in his flower shop November 14. Every visitor was made a present of a chrysanthemum.

FRANKFORT, KY.—J. W. Newman, state commissioner of agriculture, is sending inspectors to all the nurseries of the state to determine whether any of the stock is infested by the gypsy moth and other pests.



Richard Vincent, Jr.

December Lecturer Chicago Florists' Club.

Coffee.

The Secretary of Agriculture will soon issue Bulletin No. 79, of the division of research and reference, Bureau of Statistics, on the coffee industry. It contains a record of the history, origin and cultivation of the tree; world's production, trade and consumption by countries; per capita consumption in specified countries; prices on New York market for a series of years; tariff rates in various countries; substitutes and adulterants. The bulletin is of more than usual interest, in view of the extensive use of coffee in the United States.

In the world's production of coffee, Brazil holds the preeminent place. In 1800 the exports from Brazil amounted to 1,720 pounds; they have steadily increased until in 1909 they were more than 2¼ billion pounds. The area in Brazil suitable for coffee cultivation covers about 1,158,000 square miles, or an area larger than the states of New York, Pennsylvania, Ohio, Indiana, Illi-

nois, Iowa, Kansas, Missouri, Nebraska, Michigan, Wisconsin, Oklahoma, Texas and California; but the area under cultivation is small compared to that which could be cultivated, but little over two million acres being in coffee in 1905. About three-fourths of the world's output is grown in Brazil and the State of Sao Paulo alone produces one-half of the world's supply.

The history of the valorization scheme by Brazil is of great interest, not only to those interested in coffee, but to students of economics in general. The state of Sao Paulo borrowed more than seventy millions of dollars in 1908 and bought and stored nearly one billion pounds of coffee for the purpose of maintaining prices on the various markets, these having become very low, due to over-production. Since the buying and storing of this coffee the government through a committee has sold between three and four hundred million pounds.

Venezuela and Colombia rank next in amount produced, each growing in the neighborhood of one hundred million pounds annually. Mexico, the Central American states and the Dutch East Indies also produce large quantities. The only coffee produced in the United States is grown in Porto Rico, Hawaii and the Philippine Islands.

The United States received coffee from 48 different countries in the past five years, the great bulk coming from South and Central America and Mexico; lesser amounts were imported from the Dutch East Indies and British West Indies, and from one and one-half to two and one-half million pounds from Arabia (Aden).

In the total amount of coffee consumed, the United States leads all other countries by a wide margin. The imports amounted to over one billion pounds annually in three of the last ten years. Germany, France, Austria-Hungary, Netherlands, Sweden, Denmark and Norway each import large quantities. Netherlands, Cuba, Sweden, Norway, Finland and Belgium each have a larger per capita consumption than the United States. The cooperative per capita consumption of coffee



George Asmus, Trustee.



C. L. Washburn, Trustee.



N. N. Bruns, Trustee.

OFFICERS CHICAGO FLORISTS' CLUB FOR 1913.

and tea in the United States and the United Kingdom, 1866-1910, shows an increase of 87 per cent in the consumption of coffee and a decrease of 11 per cent in that of tea in the United States, while the United Kingdom shows a decrease of 36 per cent for coffee and an increase of 87 per cent for tea. In other words, the United States consumption of coffee per capita is about 15 times that of the United Kingdom, while the consumption of tea in the United Kingdom is about six times greater than in the United States.

The price of Santos No. 7 coffee on the New York market rose from 5@7½ cents per pound in 1902 to 12½@16½ cents in 1911, an increase of more than 100 per cent in the ten year period.

The import and export duties levied on coffee in the principal countries and their possessions show a wide range. The tariffs on this produce range from free admission in some of the principal consuming countries to absolute prohibition from entry in some of the producing countries. The principal countries admitting coffee free of duty are the United States, Netherlands, German Southwest Africa and several of the British colonial possessions.

Chicory, cultivated in Belgium, Netherlands, Germany, France and the United States, is used perhaps more than any other one adulterant. In France the manufacture of chicory into a commercial product is quite an important industry. Certain coffee substitutes, including roasted chick peas, roasted acorns, etc., are used quite extensively in several European countries. Over 100 factories, said to be engaged in the manufacture of coffee substitutes in France, produce 53 million pounds annually; 568 such establishments, including 412 factories for the manufacture of coffee substitutes from figs, are reported in Austria-Hungary; in Germany nearly fifteen thousand people are employed in the coffee substitute trade, and the annual production is approximately 220 million pounds. The imports of chicory and coffee substitutes into the United States are comparatively small in recent years.



Guy W. French.

President-Elect Chicago Florists' Club.

Poisonous Moonseed.

The poisonous nature of moonseed (*Menispermum canadense*) has again been forcibly brought to notice through the death of a small boy at Lemont, Ill., from eating a few of the fruits. The boy, who was seven years old, found what he supposed were wild grapes as he was returning from school. He ate three of the fruits and in the course of a few hours became violently ill. In spite of medical attention he died the next day. Many dealers in decorative plants offer the moonseed for sale and it appears to be extensively planted for covering arbors and the like, its poisonous nature apparently not being suspected. The fruits are large, deep purplish-black and quite attractive in appearance. When grown about dwellings, one ignorant of its qualities might easily be tempted to try it with disastrous results. The vine, however, is a very decorative one with large, glossy angular leaves that are free from the

vermin that attack many climbing plants. Fortunately the species is dioecious, that is the stamens and pistils are on separate plants. By using the staminate form one may have the plant without danger of poisoning, but he ought to make sure that it is really staminate.—The American Botanist.

Automobile Tires From Potatoes.

Few botanists ever acquire sufficient funds to put them in the class of those who are annoyed by "tire trouble" and so are not directly interested in the synthesis of rubber, but as plant students they may take an academic interest in the matter. The American Botanist is authority for the statement that many attempts have been made to make artificial rubber, but only recently has the task been accomplished. According to Scientific American two German chemists have recently produced rubber equal in all respects to natural rubber, starting with such unpromising objects as potatoes. In the last step of producing rubber synthetically, a hydrocarbon called isoprene is exposed to metallic sodium and rubber results. All that remains, then, is to find a cheap source of isoprene. This can be made from starch of any kind, potato starch being as useful as any. Taking this starch it is first fermented to form fusel oil and acetone and from these the isoprene is produced. It thus appears that the humble potato may support life in an entirely new way. Last year the world used nearly seventy-five thousand tons of natural rubber and the demand is steadily increasing. In May, 1910, rubber brought more than \$3.00 a pound, but this is an unusual price. The British, who have always been fond of speculations in rubber, have founded a company with \$2,500,000 capital to manufacture the new artificial rubber. It is said, however, that notwithstanding the fact that the artificial product seems to be identical with the natural, it is not likely soon to crowd it in the market. Only a small amount of isoprene can be made from a given bulk of potatoes and the cost of producing this is still very great.

Lord & Burnham's Western Factory.

One of the famous English essayists said that gardening is the greatest of human pleasures and another writer has it that

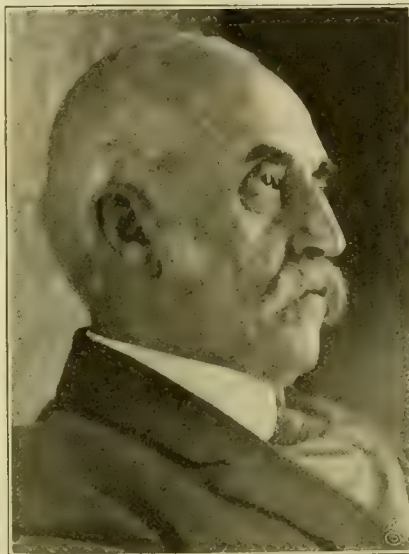
Who loves a garden
Loves a greenhouse, too.

While these sentiments were applied mainly to British horticulture they are true of other temperate countries, perhaps in lesser degree, even the western continent showing a decided tendency in the same direction as men acquire wealth and leisure. There can be no doubt as to the friendly attitude of the inhabitants of the United States and Canada toward gardening and that the greenhouse and conservatory as necessary adjuncts of the home and garden are coming into popular demand is well borne out by the growth of the business of building greenhouses, private as well as commercial, the latter now because of climatic conditions already an indispensable institution in the production of flowers, fruits and vegetables for market.

The Lord & Burnham Co., the well known New York horticultural builders, found the growth of the business such that in May, 1909, it was thought advisable to open offices and establish a branch manufactory in the west. Accordingly Geo. Sykes, a member of the firm, long familiar with its traditions for good work in this line, opened an office in the Rookery building, Chicago, and located the factory site at Des Plaines, a Chicago suburb some 35 minutes' ride from the city, the original buildings as shown in the illustration herewith occupying an area of 140x200 feet, exclusive of power house, coal shed and boiler rooms, with track accommodations on the Soo and Chicago & Northwestern Railroads. One of the best features of this establishment is a concrete loading platform running the entire length of the factory level with the floors of the cars and the buildings so that loading and unloading can be done at a minimum expenditure of time and la-

bor. Another very important feature is a concrete cistern in two sections with capacity for 150,000 gallons. This was built for the storage of rain water from the buildings to be used in the boilers and to insure protection against fire.

Compared with the home factory at Irvington, N. Y., where there are something like 300 employees, this to many will seem a small place, but there is plenty of room for its development and even now the work of extension has begun, additions nearing completion increasing the plant to double its original capacity, with a force of 80 employees. The present plans include the addition of a foundry and boiler shop next year. The extent of the firm's operations may be imagined when it is stated that for

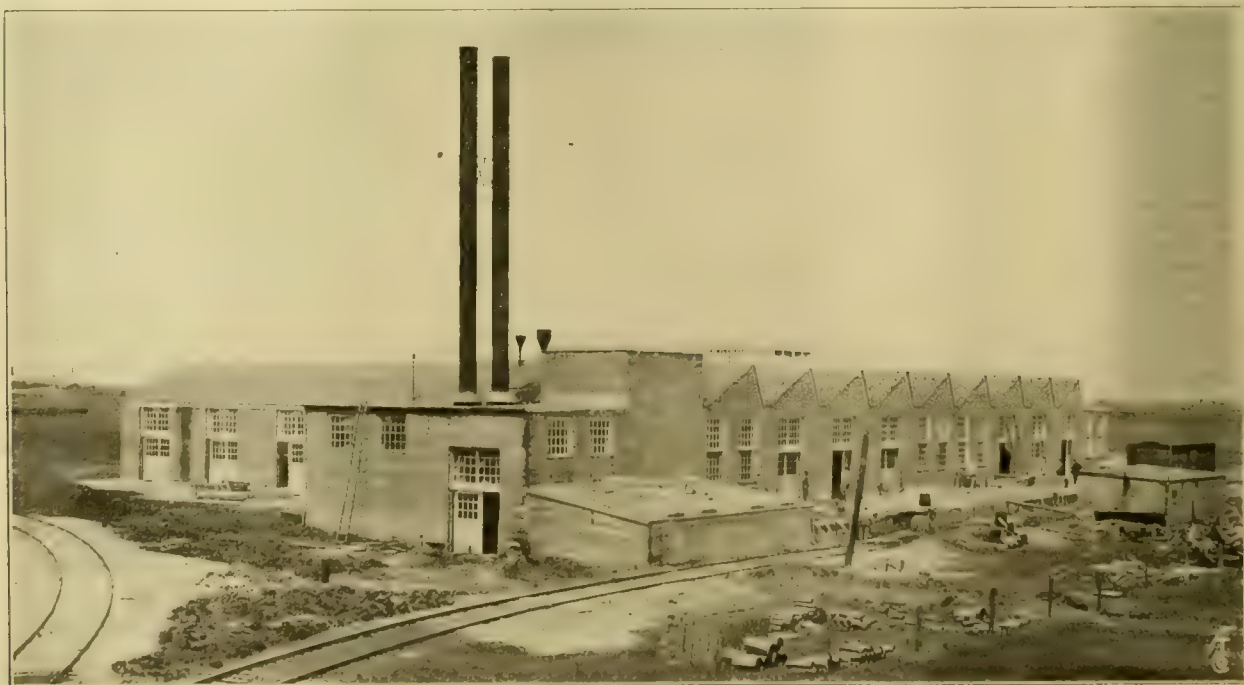


George Sykes.

Manager of the Lord & Burnham Co.'s Plant at Des Plaines, Ill.

some years the annual business has exceeded \$1,000,000. In the boiler department another idea of the business may be gleaned from the item of 4,000 boilers turned out of the firm's factories and sold in one year, this total including residence as well as greenhouse boilers. In addition to structures required for plant life this firm has built greenhouses for many other purposes, including swimming baths, winter tennis courts and for the purifying of oils and the bleaching of ivory.

Greenhouses in course of construction or recently completed by the western branch are as follows: W. B. Davis, Aurora Ill., one house 64x325 feet and one house 35x275 feet; the Davis Floral Co., Davenport, Ia., four houses, 40x310 feet; City of Kenosha, one house 25x75 feet; Minneapolis Park Board, two houses, 18x75 feet; Minneapolis High School, two houses, 34x36 feet; University of Minnesota, palm house; W. L. Goodkind, St. Paul, Minn., one house 25x42 feet; Dr. Chas. Mayo, Rochester, Minn., two houses, 18x75 feet; R. M. Carrier, Louisville, Ky., two houses, 10x34 feet; H. J. L. Stark, Orange, Texas, one house 25x42 feet; Jas. L. Hamill, Columbus, O., two houses, 18x42 feet; W. M. Ritter, Columbus, O., two houses, 18x50 feet; R. A. Alger, Detroit, Mich., one house 18x25 feet; Stanley Field, Lake Bluff, Ill., range palm house, two wings, propagating house and pits; H. H. Hitchcock, Highland Park, Ill., two houses, 18x42 feet; J. H. Hardin, Hubbard Woods, Ill., rose, carnation and propagating houses; Oakridge Cemetery, Bellwood, Ill., one house 25x100 feet; Hinsdale Cemetery, Hinsdale, Ill., one house 25x125 feet; W. Wrigley, Lake Geneva, Wis., two houses, 18x100 feet, and propagating house, 11x17 feet; J. H. Patterson, Dayton, O., two houses, 18x50 feet; County Insane Asylum, Logansport, Ind., palm house, two wings and propagating house.



THE LORD & BURNHAM ORIGINAL PLANT AT DES PLAINES, ILL.

The Tale of the Christmas Tree.

Roared the wind and rolled the wave
That buried a helpless crew
And a Christmas ship in a Christmas grave
Beneath the fathoms blue.
(And marking the grave on the breaking sea
There tossed alone a Christmas tree.)

Spinning and spinning around it sped
Along with the sweeping lee,
Leaving behind the sunken dead
Deep in an inland sea.
(Till dripping and sogged the waters bore
A Christmas tree to the leeward shore.)

Dripping and green on the sands it lay
Bright with the drying foam,
Till a fisherman came and took it away
To his two little boys at home.
(And, my, how they laughed in childish glee
At the sight of the beautiful Christmas tree!)

Lighted with candles and laden with toys
Gaily and proudly it stands
On Christmas eve, and the fisherman's boys
Are clapping their little hands.
(And this is the tale of the Christmas tree
That came from the grave in an inland sea.)
—Ben Hecht.

Captain Herman Schuenemann.

Captain Herman Schuenemann, for many years a familiar figure in the Chicago trade, is reported dead—drowned with his crew, his partner, Captain Nelson, and the latter's wife, in the treacherous waters of Lake Michigan which already had claimed a brother, Captain August Schuenemann. A common story, this of a lake captain and his crew. Sad to their friends and relatives, and yet all too common for the world to give more than a passing thought and utter a perfunctory "too bad!" Sailors are peculiarly subject to the vicissitudes of life, and sooner or later the waters they love exact their toll of a large proportion of them. So to the world at large the breaking up of a ship and the loss of the crew is "only another lake tragedy" and soon forgotten.

But Captain Schuenemann was not an ordinary lake captain engaging in an ordinary freighting business, and this Christmas in hundreds of homes when the family gathers round the Christmas tree or the dinner table there will be sorrow for the lost captain, even though his face was not known to those present. Captain Schuenemann's business was the gathering of Christmas trees, bouquet green and boughs for cemeteries. Each year, at the most dangerous season, he scoured the upper reaches of the lake, defying the storms of late November that children of all ages might have their Christmas tree. Each fall for years he had tied up his schooner, the Rouse Simmons, at the Clark street bridge, loaded to the gunwales with Christmas trees and happiness for little children and big children who had not forgotten. But this year there will be no Rouse Simmons and no Captain Schuenemann at Clark street, and though there will be Christmas trees they will bring with them the sobering thought that there will be no more Christmases in this world for the man who had helped to make Christmas happy for so many others.

Captain Schuenemann, Captain Nelson, Mrs. Nelson and the crew, seventeen souls in all, set sail from Manistique, Mich., November 21. Ordinarily they would have returned to Chicago two days later. Since that time, however, nothing has been heard from the "Christmas ship" and quantities of wreckage and greens washed ashore near Pentwater, Mich., and Two Rivers, Wis., point to the loss of a vessel, and the Rouse Simmons is the only craft unaccounted for. Positive proof

of their drowning is lacking, but that any of the seventeen will ever be seen alive again is almost past hope.

The gathering, transporting and selling of Christmas trees is a business, of course. Captain Schuenemann was engaged in the work to make money, and it is as a commercial venture that a paper devoted to commercial affairs is most interested in his operations. Yet, at this season of the year, it is peculiarly appropriate that the other side of business should not be forgotten. For back of the sale of flowers and greens and Christmas trees is something better than money, and if this were not so there would be no flowers and



Captain Herman Schuenemann.

Christmas trees, there would be no money for flowers and Christmas trees, there would be no money at all. If there were nothing better than money back of all the hustle and worry of the business world there would be no incentive to hustle or worry.

And while Captain Schuenemann was a business man, he was something more, and that is the reason his death has brought sorrow to thousands who never saw him. That is why thousands will venerate this big strong Viking of the inland seas who yearly braved death in an old-fashioned vessel at the worst time of the year—a modern, Christianized Viking, bringing instead of war and plunder, a message of "peace on earth, good will toward men."

Mrs. Schuenemann and family, it is understood, will carry on the Clark street bridge business in Christmas trees and greens.

The Late Charles Dingee.

In the death of Charles Dingee at West Grove, Pa., November 28, notice of which appeared in our last week's issue, the flower and nursery trades lost one of their most noteworthy personalities. Mr. Dingee was born in Lancaster County, Pa., January 1, 1825, and spent virtually his entire life in horticultural and kindred pursuits. His early apprenticeship was served under Edward Jessup, one time a noted nurseryman of York, Pa. At the age of 25 he, with his brother-in-law, Isaac Jackson, established the Harmony Grove Nurseries at West Grove. This was in 1850, and twenty-two years later, 1872, he incorporated the present Dingee & Conard Co.

Coincident with the incorporation of the firm he had established, Mr. Dingee inaugurated the present widespread system of shipping young roses by mail and issued the first catalogue of mail order plants. This was the first attempt of delivery by this method made by the trade and was not looked on with favor at the time. A few years later the company began advertising extensively and in a short time had put West Grove on the map. The results were such that the Post Office Department, astonished at the amount of business done, sent a special inspector to see if everything in connection with the business was run honestly and within the law. The inspector returned to Washington with the report that all was run legitimately and above board, and that the Dingee & Conard firm enjoyed a fine reputation at home as well as in other states. Since then this system of shipping roses has become general, the Dingee & Conard Co. great and well known, and the late Mr. Dingee the recipient of many honors from the Rose Growers' Association of America.

Mr. Dingee was prominent during the stirring events of the Civil War and afterwards, and was a warm personal friend of Thaddeus Stevens, Secretary Cameron and Wayne McVeigh, attorney general in President Cleveland's cabinet. He was the last living witness of the Christiana riot which brought nearer the regrettable but inevitable conflict between the North and South. He was founder of the National Bank of West Grove and a leader in the affairs of his town. He traveled extensively during the later years of his life, both in America and abroad. Among his close personal friends also in the trade were Peter Henderson, Patrick Barry and the elder Downing.

Mr. Dingee married Elizabeth Jackson of West Grove sixty-five years ago. She died in 1881, leaving two children, Wm. J. Dingee and Mary D. Dingee. His second wife, who survives him, was Mary E. Lynch. To this union was born a daughter, Marion, now the wife of George Barnard, New Castle, Ind., where the firm has a branch. On his retirement in 1903 the business was turned over to Patrick J. Lynch and Henry Lynch. Mr. Dingee was a member of the Society of Friends.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 92 PAGES WITH COVER

CONTENTS.

Suggestions for the holiday trade.....	1189
—Wreaths—Plant baskets.....	1189
—Festooning.....	1190
—Prepared flowers.....	1190
The retail trade.....	1190
—Retailing cut flowers by the box (illus.).....	1190
—Church wedding decoration by the J. M. Gasser Co. (illus.).....	1191
—The directory wreath.....	1192
—Christmas basket (illus.).....	1192
Fine wedding decorations.....	1193
Park employees' examinations.....	1193
Christmas box by S. Muir (illus.).....	1194
Christmas box of bark (illus.).....	1194
Orchid notes.....	1195
—Calanthes (illus.).....	1195
The carnation.....	1196
—The Christmas crop.....	1196
—The most trying season.....	1197
Chrysanthemums.....	1198
—Stock plants—Care of cut blooms.....	1198
—Diseased chrysanthemum foliage.....	1198
Marketing narcissus and hyacinth blooms in France (illus.).....	1198
With the growers.....	1201
—John N. May, Summit, N. J.....	1201
—Dailledouze Bros., Flatbush, L. I.....	1201
—Cottage Gardens Co., Queens, L. I.....	1201
—Brown Floral Co.....	1202
The Dreer delivery system (illus.).....	1202
Third national flower show.....	1202
The George Robert White medal of honor (illus.).....	1203
The roses of Roumelia.....	1203
Officers Chicago Florists' Club for 1913 (portraits).....	1204
Lord & Burnham's western factory (illus.).....	1206
George Sykes (portrait).....	1206
Captain Herman Schuenemann (portrait).....	1207
The late Charles Dingee.....	1207
White medal award for 1912.....	1208
Street car causes serious loss.....	1208
The late Francis Fillmore.....	1208
Boston.....	1210
Chicago.....	1226
Chicago Florists' Club.....	1234
Milwaukee.....	1235
St. Louis.....	1235
Cleveland.....	1236
Cincinnati.....	1236
Philadelphia.....	1238
New York.....	1240
New York Florists' Club.....	1240
The seed trade.....	1248
—Non-warranty in England.....	1248
—Common and hardy vetches.....	1248
Market gardeners.....	1254
—Prices of indoor fruits and vegetables.....	1254
—Christmas notes.....	1254
The nursery trade.....	1256

COLDER weather will render necessary extra care in packing plant shipments.

ERNEST BENARY'S fine colored plate this year shows American perpetual carnations in fine form and variety.

WE are in receipt of an excellent bulletin on "Hardy Roses in Canada" by Prof. W. T. Macoun, of the Dominion experiment gardens, at Ottawa, Ont.

SHIPPERS of imported plants as well as nursery stock are all insisting that American buyers accept the risk of damage because of the action of local state inspectors.

Personal.

E. H. Cushman, of Sylvania, O., is making a trip to California.

J. C. Vaughan has been invited to act as juror at the next International horticultural exposition to be held at Ghent, Belgium, in April next.

White Medal Award For 1912.

The trustees of the Massachusetts Horticultural Society have awarded the George Robert White medal of honor for the year 1912 to Michael H. Walsh of Woods Hole, Mass. This is the fourth award of this medal by the Society. The medal is voted annually for eminent service in horticulture. Mr. Walsh is the originator of many new and valuable varieties of roses known and highly appreciated the world over.

Street Car Causes Serious Loss.

The ends of three greenhouses were completely demolished and many valuable Christmas and other plants and flowers destroyed December 4 when a street car left the track and crashed into the buildings of John H. Walker, of Youngstown, O. An attempt to run the car down a hill with only the hand brake working is said to have been the cause. About thirty feet of the ends of the glass structures was destroyed and the loss was a heavy one. Besides the destruction of the glass and the plants the heating system was put out of commission, a serious thing to occur at this time of year. Rare palms and other tropical plants, some of them almost impossible to replace, are said to have been included in the loss.

We sympathize with Mr. Walker in the loss which he must have sustained through the accident at this season when his stock is of the greatest value.

Study of Soils.

A recent press notice issued by the United States Department of Agriculture, on the "Study of the Soils," contains some very interesting material for the grower of both outside and indoor stock. "The old idea of soil investigation," according to a Department bulletin which the circular quotes, "was to collect samples, examine them in the laboratory and see what differences could there be determined; the newer idea is to study the characteristics and properties of soils in the field, classify them according to obvious differences, and with this information in hand, use the laboratory as a means of ascertaining the cause of such variations as can not be determined in the field.

"Since the soil varies so much as regards both its organic and inorganic constituents, marked differences in character must necessarily result from the almost indefinite number of combinations which may be found. All these differences, however, may be traced to two sets of factors: First, the character of the rock or material from which the soil has been derived; and, second, the processes or agencies by means of which this material has been changed from mere rock or rock debris into a medium suitable for the growth of plants."

Massachusetts Horticultural Society.

PRIZES FOR GARDENS.

The committee on gardens of the Massachusetts Horticultural Society announces the following list of awards made to gardens and estates visited during the current year:

For garden of spring-flowering plants: Bayard Thayer, South Lancaster, first.

For garden of summer or fall-flowering plants: Mrs. Charles W. Parker,

Marblehead, first; Col. Harry E. Converse, Marion, second.

For garden or collection of peonies: Wilton Lockwood, South Orleans, first. For garden or collection of hardy roses: Col. H. E. Converse, Marion, first; Wilton Lockwood, South Orleans, second.

For rock garden: Charles W. Parker, Marblehead Neck, first.

For fruit garden: Col. H. E. Converse, Marion, first; C. W. Parker, Marblehead, second.

For vegetable garden: Col. H. E. Converse, Marion, first.

Special awards: American Forestry Co., South Framingham, for nurseries of forest trees, silver medal. Andrew Gray Weeks, for estate at Marion, silver medal. Charles S. Eaton, for estate at Marblehead Neck, silver medal. R. & J. Farquhar & Co., for collection of newly-introduced Chinese lilies, honorable mention. B. Hammond Tracy, for gladiolus gardens at Wenham, honorable mention.

WM. P. RICH, Sec'y.

November 19, 1912.

The Crime of Artificial Flowers.

"How long have you been working here?" asked Elizabeth C. Watson, investigator for the Wagner Factory Commission, of a four-year-old child she found toiling in a tenement house cigarette factory.

"Ever since I was," was the reply of the tired toddler as she looked up into the face of her interrogator.

And nobody laughed when this testimony was given to the commission by Miss Watson this morning. The tragedy of child slavery, which has been brought home to New York City this week by the investigations of this commission, took all the humor out of that little one's answer. It was a pitiful line in a most pitiful tragedy.

These children are virtually slaves. Miss Watson testified. They are the victims of contractors, who take the work of rolling cigarettes, cutting out embroidery, making artificial flowers, and a hundred other industries from the manufacturers at a contract price and then hire these tiny workers in their own homes to do it for half the contract price or less. This is the horrible "padrone system" which is flourishing in New York.

For instance, one of these contractors took work from the manufacturer at 75 cents a unit, and paid the families who did the work 25 cents a unit for the work, thus making a profit of 50 cents on every dozen or gross they turned out—whatever the unit might be.—New York Globe.

The Late Francis Fillmore.

Francis Fillmore, father of F. J. Fillmore, head of the flower firm of F. J. Fillmore & Son, St. Louis, Mo., died the latter part of last week at the age of 87. Mr. Fillmore was born at Wimbledon, England, May 25, 1825, and came to American in April, 1870, locating first at Topeka, Kan. From there he went to Lawrence in the same state, where he was joined by his wife and seven children. He engaged in vegetable gardening until 1873 when he went to St. Louis and took up work in landscaping. Later he reentered the vegetable growing business, this time with his sons. On the death of the youngest he again retired from this line and for about 18 years was actively engaged at Tower Grove Park. He was hale and strong despite his advanced age until a short time ago. Mr. Fillmore leaves a son, four daughters, fifteen grandchildren and twenty-one great grandchildren. The funeral was held December 9.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted—By first class Grower of Roses, American Beauties and others; life experience, capable of taking full charge. Address, Key 741, care American Florist.

Situation Wanted—High-class, artistic designer, salesman and store manager, is open for a permanent engagement. State salary and full particulars. GEO. E. LINDEMAN, Norwichtown, Conn.

Situation Wanted—Young man 23 years of age, desires to learn designing and decorating in a retail store. Formerly a grower of cut flowers. Address, Key 735, care American Florist.

Situation Wanted—By sober young man of 26; experienced in growing cut flowers and plants; capable of taking charge of section or commercial place; state wages. Address, Key 738, care American Florist.

Help Wanted—First-class greenhouse man for private place. Permanent position and good wages. References required. Address, 1918 East 40th St., Cleveland, Ohio.

Help Wanted—Greenhouse man, single; experienced in growing of roses, carnations, mums, palms, etc., and be capable of taking charge of greenhouses. References required. Address, Key 732, care American Florist.

For Sale—Retail store in city of 16,000. Bargain. For full particulars address, Key 725, care American Florist.

For Sale or Rent—Greenhouse plant, stocked for commercial purpose; retail store in connection. Address key 721, care American Florist.

For Sale—A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale—If you want to buy a florist business, don't miss this exceptional opportunity. Write immediately for particulars. Address, Key 742, care American Florist.

For Sale—Retail store in City of New York, at a bargain; price \$800.00. Good location on a leading street in an excellent locality. Good reasons for selling. Address, A. F., care American Florist, 124 E. 24th St., New York.

For Sale—Modern vegetable greenhouse, three years old, 5000 ft. under glass. Hot water system, private water plant, 15 minutes drive to city market. All in bearing crop, 4 lots corner, good dwelling. Reason for selling, poor health. Address, OWNER, 999 Decatur St., Denver, Colo.

For Sale—Greenhouse Plant, three houses, 2500 feet of glass well filled with a full line of bedding plants; some outside stock. Good six-room house, out-houses, city water, etc. Lot 63 feet by 376 feet, for \$4,000. Can vacate any time. Apply to, CAPITAL CITY NURSERY, Atlanta, Ga. P. O. Box 586.

For Sale—Three greenhouses; well equipped; filled with carnations, chrysanthemums, violets, ferns, etc. On account of other business will sell at a sacrifice. Located one hundred miles from Chicago in town of twenty-two thousand inhabitants. Good opening for the right party. Address, Key 737, care American Florist.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years. Key 730, care American Florist.

For Sale—Greenhouse plant, two houses, 5,000 sq. feet of glass, new and well equipped, filled with Carnations and bedding plants, good 9 room house with all modern improvements. Lot, 106 x 250 ft. 16 miles west of Chicago. Very good transportation. Good opening for the right party. Very good reasons for selling. Price, \$8,500. Address, Key 744, care American Florist.

For Rent—We have a fine location in one of Chicago's wealthiest suburbs for a good florist. No competition within ½ mile. Will put in first class fixtures and make the store very attractive for satisfactory tenant. For further particulars address E. A. CUMMINGS & Co., 40 N. Dearborn St., Chicago, Ill.

For Sale—A rare opportunity to purchase a 2-story brick building containing store and 3 flats, 2 barns, and a Florist's Business established 22 years, with 5 greenhouses with about 12,000 square feet of glass all the stock, car-load of pots, hot-bed sash, one horse, three wagons, harness and coal, only \$20,000; or will rent property and sell only stock, sash, pots, coal, horse and wagons at a reasonable figure. This is being sold on account of ill health. Those only meaning business need reply. Address, Key 736, care American Florist.

Wanted—the address of Otto Lehman, who left Brooklyn, N. Y. for Colorado Springs about 10 years ago. Please address his friend, GEO. BELLA, 907 Trinity Ave., Bronx, New York City.

HELP WANTED.

Section foreman for Rose range, on up-to date place; wages \$15.00 per week. Address, Key 739, American Florist.

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

GREENHOUSES FOR SALE

IN WILLIAMSPORT, PA.

Population, - - - - 40,000

Will take half interest or sell outright.

DANIEL E. GORMAN, Florist

WANTED.

A Good Salesman and Designer is open for engagement. Pacific coast preferred. Can furnish the best of references. For further particulars address,

KEY 726, care American Florist.

For Sale.

A good paying retail store in the Chicago loop; long lease; books open for inspection; good reason for selling. For further particulars address Key 740 care American Florist.



Copyright by REPUBLICAN FLORIST CO.

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Situation Wanted.

Young man, 26 years of age, with 10 years of wholesale and retail cut flower experience. Can furnish A1 references. Employed at present. For further particulars address

Key 728, care American Florist.

FOREMAN WANTED.

A man who is familiar with all lines of potted plants and forcing and is capable of handling help. He must be absolutely sober and only a high grade man. Salary the best

Key 743, American Florist.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.,
440 Dearborn St., CHICAGO.

A HOLLY WREATH

Red and Green

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—\$3.00 per set of 2 plates. Larger size, 3¾x4 inches, \$5.00 per set of 2 plates.

Plate shown here for one color \$1.50. The large size, one color, \$2.70

Cash with order.

American Florist Co.

440 S. Dearborn St. CHICAGO.

Boston.**PRICES SOMEWHAT LOWER.**

The warm weather and the usual aftermath of a holiday has left its impression on the market. There is no glut but values have fallen somewhat. Violets are the worst sufferers. Carnations, though scarce, have come down from the high mark they were at. At present there is an indication of a somewhat shortage of roses for Christmas, many of the roses being off crop. Carnations are coming in more freely, but not enough to fill large orders. Bulbs are coming in.

NOTES.

The artificial flower business isn't dead in Boston. One firm devotes a whole window to that business, showing sprays of camellias, long-stemmed chrysanthemums, roses, and carnations, and in one department store carnations are sold two for five cents, roses 5 cents each. At a distance they look like the real thing but in getting closer they spell wax. Other stores are using them for window decorations.

Mayor Fitzgerald proposes to have a horticultural department in the Fenway. He proposes to build a large range of greenhouses, in keeping with Boston's park department, so that people can go and see and study floriculture at all seasons of the year. This is a step in the direction of helping our business if we look at it that way.

There has been no consolidation of the two markets yet. The members of the old market are to move into their new quarters about Feb. 1.

MAC.

Kansas City.**THANKSGIVING VERY SATISFACTORY.**

Thanksgiving week was most satisfactory in every way, although the big football game did not take place here. The demand for the big chrysanthemums cleaned the market. Flowers of all kinds have hardly been equal to the demand. A shortage in the carnation supply is quickly felt when the chrysanthemum crop is over. The mild weather seems to affect the pink Killarney. The local product is of a very pale color. San Francisco violets are being handled by the corner stands in great quantities at three bunches (150 violets) for 50 cents. The local growers find this obstacle too great to overcome and several have discontinued growing them.

NOTES.

The range of 10,000 feet recently completed by S. B. Ayres, Independence drive, will be devoted exclusively to sweet peas. Mr. Ayres is distinctly one of the younger ones but has learned that undivided attention to a specialty with liberal advertising will always succeed. His new varieties offered are the result of several years' work.

The big storage oil tanks recently installed at The Rosery furnishes fuel for 40 days at a filling. E. E. Ellsworth says that oil when properly used, even at \$1.10 a barrel, is only half the price of coal at \$4.25 a ton and the heat is better.

Another addition to the florists' line is R. C. Peacock, who has recently completed two houses, aggregating 5,000 feet, on the Independence road. The land is in shape for more houses another year. Bedding stock will be grown.

We regret to learn of the sudden death of Mrs. John Stevens December 1. Mr. Stevens has himself been under a physician's care and the two little children will need more than sympathy for several years to come.

A showy display can be seen in the Grand Avenue Cut Flower Co.'s establishment. Basket novelties seem

to predominate. The demand for these goods is filling up the shelves and will soon empty them.

G. E. Stempel has leased the Hariman plant, consisting of 10,000 feet of glass, and will grow a general assortment of flowers for the wholesale trade.

Recent visitors were: Martin Reukauf, with H. Bayersdorfer & Co., Philadelphia; Robt. Newcomb, of Vaughan's Seed Store, Chicago.

One veteran florist, R. S. Brown, has been quite ill.

What has become of the proposed florists' club?

K. C. M.

Rochester, N. Y.**CARNATIONS STILL SCARCE.**

The continued fine weather has been made use of the last two weeks. Most of the stores which carried bulbs have found their stock getting low. This has been an unusually good season for this line of goods. Business is good and all of the florists are looking forward to a very busy holiday. Christmas greens have arrived in good condition and the quality is also good. Retailers have experienced a busy week with funerals and weddings. Carnations seem just as scarce as of late while azalea blooms are used for design work very frequently. Roses are good in all kinds and grades. Violets, English and California are large and arrive full of perfume. Valley, too, is exceptionally fine and sells well. The market is not so full of chrysanthemums now, they having come to their last stage. Greens of all kinds are very plentiful.

NOTES.

There was a large attendance at the meeting of the Ontario County Fruit Growers' Association, held at the court house, Canandaigua, with A. B. Katkamier, president, in the chair. A discussion on small fruits was led by John Wright of East Bloomfield, who talked on currants. Wm. L. McKay of Geneva spoke on gooseberries, George Buckalew, of Bristol, on raspberries and the president on strawberries.

The store of Salter Brothers, West Main street, was robbed and the cash register cleared of \$20 much like the robbery at H. E. Wilson's, the thief gaining entrance through the transom. Salter Bros' store has been repainted for the holidays.

Henry P. Neun had a fine wedding decoration at the Central Presbyterian Church on December 3. H. B. Jones of the Jones-Russell Co., Cleveland, Ohio, came to the city specially to make up 8 bouquets for the same wedding.

An extension school is to be held at East Bloomfield in March, arrangements having been made with the authorities of Cornell University.

George T. Boucher is receiving a large shipment of poinsettias, Glorie de Lorraine begonias and cyclamen.

H. E. Wilson has an attractive window for the holidays. The color scheme is red and green.

Edwin C. Armbrust is now with one of the leading florists in Springfield, Mass.

Charles H. Vick has been called to serve on the trial jury.

H. J. H.

Albany, N. Y.**CLUB MEETING.**

At the December meeting of the Albany Florists' Club the following ticket was placed in nomination for the election to be held the evening of January 2, 1913: For president, Frederick Henkes; vice-president, Frank

R. Bilson; treasurer, Patrick Hyde; secretary, Robert Davidson; trustees for two years, E. P. Meany, Thomas F. Tracey, and R. W. Bilson. Upon invitation of Thomas F. Tracey the club voted to accept his offer to hold its regular meetings in the store of the Albany Cut Flower Exchange, 76 Maiden Lane, of which he is manager. The club had as visitors Patrick Welch of Boston, Stephen C. Green of Philadelphia; William C. Cahill of Boston, and W. B. Cook of New York. Short addresses were made by Welch, Green and Cook. Cahill entertained with a recitation which was well received. Mr. Cook said that he had been in many places and wanted to commend the Albany florists for their window decorations and the way they keep up their stores.

The Albany Cut Flower Exchange was incorporated on December 6 with a capital stock of \$25,000; principal office at 76 Maiden Lane. The officers are: Edward P. Tracey, president; Thomas F. Tracey, vice-president; Patrick Welch of Boston, treasurer. The Exchange has added an attractive display of florists' supplies for Christmas.

R. D.

Nashville.**WEEK'S TRADE GOOD.**

A good general trade has characterized the past week. The chrysanthemums are about finished with. The usual round of social gaiety, parties, weddings and other affairs have kept all reasonably busy.

NOTES.

McIntyre Bros. say they have been almost too busy to think about the holidays since their move to the new West End Store. They are more than satisfied with their trade, and their new place of business. The roses at the new place are doing well and they already have a fine output.

Geny Bros. say they have a magnificent lot of everything and their cut flower supply is very promising, while in pot flowers they have everything that is needed for a brisk demand. They will have plenty of violets and lots of carnations and poinsettias.

The Joy Floral Company has already begun to book orders and are looking forward to a great Christmas rush, for which they are splendidly prepared. Their stock is in fine shape and they expect to have a tremendous cut for the holidays.

L. H. Haury & Sons are expecting a big trade. They have opened up a fine line of Christmas baskets. They have had a very satisfactory trade in cut flowers and decorations.

M. C. D.



Our fine Mammoth strain of

VERBENAS

ready soon. 100,000 Pansies, very strong, "Roemer's Prize-winners" (German strain), 50c per 100, \$4 per 1000. Petunias, best strain, select varieties, \$1.25 per 100, \$10.00 per 1000. Daisies, California and Queen Alexandra \$1.00 per 100, \$8.00 per 1000. Ageratums, 60c per 100, \$5.00 per 1000. Alternantheras

three varieties, very strong, 60c per 100, \$5.00 per 1000. Feverfew "Little Gem" (True), \$1.25 per 100, \$10.00 per 1000. Salvia Bonfire and St. Louis, \$1.00 per 100, \$8.00 per 1000. We prepay express.

C. HUMFELD.

The Rooted Cutting Specialist, Clay Center, Kan.

Holly

FANCY EASTERN.

Cut and packed in the swamps under the supervision of our own men from Chicago. Absolutely the choicest stock obtainable.

Per Case, \$4.50

3 Cases, \$13.00

5 Cases, \$20.00

2 to 3 carloads of fresh stock received daily.

Bouquet Green EVERGREEN WREATHING XMAS TREES, ETC.

Why do **Barnard's Xmas Decorations** lead in quality? Because we send our own men from Chicago to the different green countries to superintend the selection, cutting, and packing of **Holly, Bouquet Green, Xmas Trees, etc.** They are men of twenty years' experience and are well acquainted with the requirements of the most critical florists. They are instructed that "**the best is just good enough**" for our trade.

Our Wholesale List on all Xmas Decorations, Sundries, etc, Free for the Asking.

The W. W. Barnard Co., Seedsmen, 231-235 W. Madison St., Chicago

CHRISTMAS PLANTS

Azaleas, Cyclamen, Araucarias and Pandanus. Extra fine stock at the prices quoted. Order as early as possible so as to avoid the Christmas rush.

Pandanus Veitchii, good healthy plants, 6 inch, \$1.00 each. **Araucarias**, choice 5 inch stock, at 50 cents each. **Cyclamen**, very fine plants, at 50c, 75c, \$1.00 and \$1.25 each. **Azaleas, Madam Petrick**, \$1.00 each. All orders promptly attended to.



Cut Flowers

We will also have for Christmas a large supply of all seasonable cut flowers, but will be particularly strong on

White and Pink Killarneys

the kind that won the prizes at the St. Paul Flower Show.

Don't forget to include **Violets** in your order. Our Watertown growers will cut large quantities, so we expect to be able to supply everyone with the violets with the violet odor. None better to be had, so place your Christmas order with us now.

Holton & Hunkel Co.

WHOLESALE GROWERS OF CUT FLOWERS

462 Milwaukee Street :: MILWAUKEE, WIS.



-CHRISTMAS PLANTS- AND ALL OTHER DECORATIVE STOCK.

YOU should place your order with us now and not wait until the last moment, when there will be plenty of other things to occupy your attention. Our plants are all of exceptionally fine quality and good value at the prices quoted, so select your assortment from this list and send in your order as soon as possible. We are confident that our plants will please both you and your customers.

Christmas Plants.



Poinsettias.

	Each	Cents
2-in. pots	15	
4-in. "	25	
5-in. pans	35	
6-in. " 3 to 4 in pan	50	
7-in. "	75	
8-in. "	1.00	

BOXWOOD BUSHES.

	Each	Cents
2-in.	20	
12-in.	30	
18-in.	50	
24-in.	75	



ASSORTED FERNS for ferneries in best varieties. Cyrtomium Fal., Aspidium Tenn., Pteris serrulata, etc., \$3.00 per 100.

Azaleas.		Each
Vervaeckiana, 10-12 in., Pink and White	1.00	
" 12-14 in.	1.25	
" 14-16 in.	1.50	
" 18-20 in.	2.00	
" 20-22 in.	2.50	
Mme. Petrick, 12-14 in., Pink	1.00	
" 14-16 in.	1.50	
" 18-20 in.	2.00	
" 20-22 in.	2.50	
Mme. Ernst Eckhaute, 10-12 in., Red	1.00	
" 12-14 in.	1.25	
" 18-20 in.	2.00	
Mme. R. De Smet, 10-12 in., Pink and White	1.00	
" 12-14 in.	1.25	
" 14-16 in.	1.50	
Heye, 8-10 in.	.50	
" 10-12 in.	.75	
Simon Mardner, 10-12 in., Pink	1.00	
" 12-14 in.	1.25	
" 16-18 in.	1.75	
" 18-20 in.	2.00	

Boston Ferns.

	Doz.	Per 100
2-in.	3.00	
3-in.	6.00	
4-in.	1.50	
5-in.	3.00	
6-in.	9.00	
7-in.	12.00	
10-in. baskets	12.00	

ARECA LUTESCENS for basket filling, 18 to 24 inches high, \$3.00 per dozen.

Cyclamen.

	Doz.
4-in. pots	2.00
5-in. "	4.00
6-in. "	6.00

Araucarias.

	Each	Doz.
4-in., 2 to 3 tiers	\$0.50	\$ 6.00
6-in., 4 to 5 tiers	1.00	12.00
7-in., 4 to 5 tiers	1.50	18.00

Areca Lutescens.

	Each	Doz.	Per 100
3-in., 3 plants in a pot	\$2.00	\$15.00	
4-in., 3 plants in a pot	3.00	25.00	
6-in.	1.50		

Asparagus Plumosus.

	3.00 per 100	6.00 per 100	1.50 per doz.
2-inch			
3-inch			
4-inch			

Asparagus Sprengeri.

3-in.	\$5.00 per 100	6-8 in.	\$1.50, \$2.00 and \$2.50 each
-------	----------------	---------	--------------------------------

Aspidistras.

Green	\$0.08 per leaf
Variegated	.15 per leaf

Boxwoods

	Each
Square trimmed, 20-in. high, 15-in. diam.	\$2.50
Globe shaped, 14 to 16 in. high	1.50
Standard, 12-in. crown	3.00
" 15-18 in. crown	2.50
" 18-21 in. crown	3.00
" 21-24 in. crown	4.00
" 24-27 in. crown	6.00
" 32-34 in. crown, 3-4 ft. stem	9.00
" 36-38 in. crown, 18-24 in. stem	9.00
" 40-42 in. crown, 18-24 in. stem	10.00
Mission tubs up to 12-in. at \$1.00 extra.	



ARAUCARIA.

Dracaena Fragrans.

3-in.	\$1.50
-------	--------

Dracaena Indivisa.

2-in.	\$3.00 per 100	4-in.	\$10.00 per 100
3-in.	5.00 per 100	5-in.	20.00 per 100

EUONYMUS, VARIEGATED.

Silver and Golden, 2 1/2-in.	50c per doz.
------------------------------	--------------

Cibotium Schiedei.

Cocos Weddelliana.

3-in.	\$1.75 per doz.; \$14.00 per 100
-------	----------------------------------

Crotons.

2-in.	\$2.00 per doz.
4-in.	\$0.50 each
6-in.	\$0.75 and \$1.00 each
larger ones	from \$3.00 to \$5.00 each.

Ferns.

Assorted varieties for dishes.	Per 100
Assorted varieties for dishes.	Each Doz.
3-in.	\$0.25 \$3.00

Ficus Pandurata.

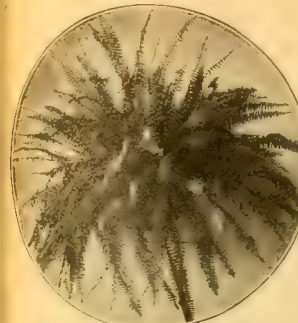
2 1/2 in.	\$2.50 and \$3.50 each
-----------	------------------------

Ficus Elastica.

4-in.	25 cents
6-in.	35 cents
8-in. branching	50c and \$1.00

Hydrangeas.

HYDRANGEAS FOR FORCING.	
4-in.	\$10.00 per 100



BOSTON FERN.

Primula Chinensis.

4-in.	\$1.50
-------	--------

Pandanus Veitchii.

4-in.	50 cents
6-in.	75 "
8-in.	1.00

PALMS.

Cycas Revoluta.

We have a nice lot in 6, 7 and 8-inch pots at \$1.00, \$1.25, \$1.50 and \$2.00 each.

Kentia Belmoreana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 in.	\$1.50 \$12.00
3-in.	4 to 5	8 to 10 in.	2.00 15.00
4-in.	4	12 in.	3.60 30.00
4-in. strong	4 to 5	12 to 15 in.	4.50 35.00
5-in.	5 to 6	15 to 18 in.	6.00 50.00
		Each	Doz.
5-in. strong	5 to 6	18 to 20 in.	\$0.75 \$ 9.00
6-in.	6 to 7	20 to 22 in.	1.00 12.00
6-in. strong	6 to 7	22 to 24 in.	1.50 18.00
7-in. str'g	6 to 7	26 to 28 in.	2.00 24.00
7-in. extra	strong	6 to 7	28 to 30 in.
8-in.	7 to 8	40 to 45 in.	5.50
9-in.	7 to 8	45 to 50 in.	8.00
9-in.	7 to 8	50 to 54 in.	10.00
	Made-up.		
7-in. 3 in a pot	28-30 in. high.		\$2.50 each

Kentia Forsteriana.

Leaves	Height	Doz.	Per 100
2-in.	4	8 to 10 in.	\$1.50 \$12.00
3-in.	4 to 5	12 to 14 in.	2.00 15.00
4-in.	4 to 5	14 to 16 in.	4.50 35.00
5-in.	5 to 6	16 to 18 in.	6.00 50.00
		Each	Doz.
5-in. strong	5 to 6	20 to 24 in.	\$0.75 \$ 9.00
7-in.	5 to 6	36 to 38 in.	2.50
8-in.	5 to 6	40 to 44 in.	5.00
8-in. strong	6 to 7	46 to 50 in.	7.00
9-in.	6 to 7	60 in.	8.00
Single, 6 ft.	7 ft. 6 in.		\$ 9.00 each
	Made-up.		15.00 each
		Each	
6-in.	3 in a pot, 18-22 in. high.		\$ 1.50
7-in.	3 to 4 in a pot, 24 to 30 in. high.		2.50
9-in.	3 to 5 in a pot, 50 to 54 in. high.		8.00
10-in.	4 to 5 in a pot, 58 to 60 in. high.		10.00
12-in.	4 to 5 in a pot, 62 to 70 in. high.		15.00
6 ft.	6 in. 4 in a tub.		18.00
7 ft.	6 in.		25.00

Latania Borbonica.

5-inch.	\$5.00 per doz.
6-inch.	9.00 per doz.

Phoenix Canariensis.

	Each
7-in., 40 to 44 in. high.	\$ 2.50
8-in., 46 to 50 in. high.	4.00
9-in., 50 to 54 in. high.	8.00
10-in., 60 to 64 in. high.	10.00



PANDANUS.

Phoenix Reclinata.

	Each	Doz.	Per 100
5-in.		\$5.00	\$40.00
6-in.		\$0.75	9.00
7-in., 24 in. high, 3 in a pot		1.50	

Phoenix Roebelenii.

	Each	Doz.	Per 100
2 1/2-in.		\$ 2.00	\$15.00
3-in.		3.00	
6-in., strong		18.00	
7-in.		\$1.00	
8-in.		5.00	



For the Best Always Order of Us.

THE GEO. WITTBOLD COMPANY

737 Buckingham Place,
L. D. Phone, Graceland 1112
CHICAGO.

Blooming and Decorative Plants for Xmas

Large supply of exceptionally fine **Primula Obconica**, **Begonia** other item mentioned in this advertisement. You cannot obtain any better direct to us. All orders receive prompt attention.



Primula Obconica.

In bloom, best Grandiflora and Gigantea strains, a great many dark shades. 5-inch, \$3.50 per dozen.

Begonia Glory of Cincinnati.

In bloom, extra fine, strong plants, 5-inch pots 50c each, 6-inch 75c, 7-inch \$1 and \$1.50 each.

Cyclamen.

In bloom, extra fine stock, 5-inch pots 50c to 75c each, 6-inch 75c, 7-inch \$1 and \$1.50.

Christmas Peppers.

Finely fruited.

4-inch..... \$2.00 per doz.
5-inch..... \$4.00 to 5.00 per doz.

Dracaena Terminalis.

Fine color.

4-inch..... 25c each; \$2.50 per doz.
5-inch..... 50c each; 5.00 per doz.

We have an especially fine lot of **Poinsettia Pans**, finely colored at prices from 50 cents to \$2.00 each.

Azalea Indica.

In bloom for Xmas; just the stock you are looking for. Mostly in red and pink shades, from 75 cents to \$2.50 each.

Dracaena Massangeana.

Well colored, 6-inch..\$1.25 to \$1.50 each

Pandanus Veitchii.

Fine colored stock.
5-inch.....\$1.00 each; \$9.00 per doz.
6-inch..... 1.50 each; 18.00 per doz.
7-inch...\$2.00 to 2.50 each; 24.00 per doz.



Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine TABLE FERNS, 12 varieties, 2 1/4 inch, \$25.00 per 1000; \$3 per 100; 500 at thousand rate; 3-inch, \$6 per 100; \$55 per 1000; 500 at thousand rate.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5 per dozen. 4 to 5 tiers, fine stock, 75c to \$1 each.

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes:

	Each	Per doz.	Per 100
6-inch.....	\$0.50	\$6.00	\$45.00
7-inch.....	.75	9.00	
8-inch.....	1.00	12.00	
10-inch.....	2.50	30.00	
12-inch.....	3.50		

Glory of Cincinnati, Azaleas, Cyclamen, Poinsettias, and every plants elsewhere, so save time, trouble and expense by sending your order



AZALEA.

Cibotium Schiedei.

6-inch.....\$1.50 each

Ficus Pandurata.

7-inch, 5 feet high.....\$4.50 each

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

Asparagus Plumosus.

4-inch strong.....\$10.00 per 100

All Freight Shipments
Travel at Purchaser's
Risk.

Greenhouses and Plant
Shipping Department,
Morton Grove, Ill.

PALMS.

Areca Lutescens.

7-inch.....\$2.00 each

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5 per dozen.
Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 per dozen.



PANDANUS.

Kentia Belmoreana.

	Height	Each	Doz.	100
4-in.....	12 to 15-in.	\$4.50	\$35.00	
5-in.....	15 to 18-in.	6.00	50.00	
5-in.....	18 to 20-in.	.75	9.00	
6-in.....	20 to 22-in.	1.00	12.00	
6-in.....	22 to 24-in.	1.50	18.00	
7-in.....	28 to 30-in.	2.50	30.00	
7-in.....	36 to 40-in.	4.50		
Specimens in tubs...each, \$8.00 to \$16.00				
Prices quoted on any special size upon application.				

Kentia Forsteriana.

	Height	Each	Doz.	100
4-in.....	14 to 16-in.	\$4.50	\$35.00	
5-in.....	20 to 24-in.	.75	9.00	
6-in.....	24 to 30-in.	1.00	12.00	
6-in.....	30 to 36-in.	1.50		
7-in.....	36 to 38-in.	2.50		
7-in.....	38 to 40-in.	3.50		
In tubs 44 to 50 in., \$7.00.				

Each
Made up in tubs 28 to 30-in.....\$ 3.50
Made up in tubs 30 to 32-in..... 4.00
Made up in tubs 40 to 42-in..... 5.00
Made up in tubs 44 to 46-in..... 7.00
Made up in tubs 50 to 60-in..... 10.00
Specimens in tubs...each, \$8.00 to \$16.00
Prices quoted on any special size upon application.



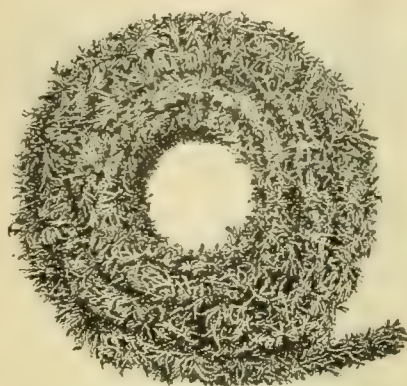
KENTIA.

Send All Plant Orders Direct to

Poehlmann Brothers Company,

MORTON GROVE, ILL.

Plant Department



Supply Department Xmas Goods Holly



¶ Ours is the finest XXX Delaware Holly. **\$5.00** per case, 5 cases **\$22.50**.

¶ Mistletoe put up in 10-25-50 pound boxes, **25c** per pound. No rubbish, all clean stock.

¶ The supply of good red Ruscus is very limited. We can give you the best stock at **75c** per pound, (subject to being sold).

RED RUSCUS WREATHS.

14 inch.....	\$ 4 00 per dozen
16 inch.....	5 00 per dozen
Extra Heavy 20 inch.....	12 00 per dozen

¶ Give us a trial and be convinced that our supply department is in keeping with the other branches of our business.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

FREE 100 LIVE GOLDFISH

We ship successfully to any part of this country—Pacific Coast included. Get Busy for the Holidays. Send in your order TODAY for prompt shipment.

This Special Combination Costs You \$25.00. You Retail it for \$53.00

YOUR PROFIT IS \$28.00

1 dozen 4 inch Globes,	retail for 10c each.....	\$1 20
1 dozen 6 inch Globes,	retail for 25c each.....	3 00
1 dozen 7½ inch Globes,	retail for 40c to 50c.....	4 80
1 dozen 8¼ inch Globes,	retail for 50c to 60c.....	1 50
1 dozen 9½ inch Globes,	retail for 75c to 85c.....	2 25
1 dozen 10 inch Globes,	retail for \$1 00.....	2 00
1 dozen 11½ inch Globes,	retail for \$1 25.....	1 25
1 dozen 12 inch Globes,	retail for \$1 50.....	1 50
6 dozen Fish Food,	retail for 10c box.....	7 20
1 dozen Cabomba Moss,	retail for 10c bunch.....	1 20
1 dozen Castles,	retail for 15c each.....	1 80
1 dozen Castles,	retail for 25c each.....	3 00
1 dozen Boxes Sea Shells,	retail for 20c box.....	1 20

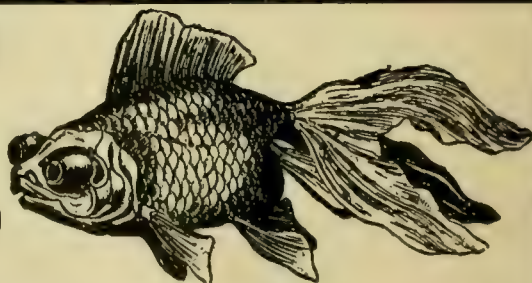
1½ dozen Large Castles,	retail for 45c each.....	0 90
50 Medium Small Fish,	retail for 10c to 15c.....	5 00
25 Medium Fish,	retail for 20c to 25c.....	5 00
20 Large Fish,	retail for 35c to 50c.....	7 00
4 Extra Fancy Oracles,	retail for 50c each.....	2 00
1 Dip Net.....	Free	
100 Goldfish, to give away or sell for 10c.....	Free	
2 Fish Globe Stands, retail for 50c each.....		1 00
		\$53 00
Retail Price.....		\$53 00
Our Price.....		25 00
Your Profit.....		\$28 00

FREE with each outfit: 100 Fish to sell or give away, 250 Circulars, 1 Dip Net. If you sell these 100 free fish at 10c each, you make **\$10.00 extra profit**. Send your order today for Aquariums, Globes and other supplies. Imported and American Goldfish from **\$3.00 per 100 up**.

From Now Until Christmas

On every order amounting to \$10.00 or over, we will give **FREE—2 LARGE FOUNTAIN GOLDFISH** for display purposes. These fish usually sell at from 75 cents to \$1.50 each. We are making this offer in place of giving our customers a calendar as in former years.

Shall We Send Our Catalogue? **THE AUBURNDALÉ GOLDFISH CO.** 920 W. Randolph St. CHICAGO, ILL.



Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CUT FLOWERS

For Christmas and New Year's

ROSES, short, assorted, per 100, \$8.00

When making out your orders, please state either length or price of Roses wanted. When neither is stated, it is left to our discretion, and what we would send might not be what is wanted. This also applies to Carnation orders. We are not responsible unless orders plainly state what is wanted.

We expect a big supply of Roses and Carnations; also a big demand. We advise placing orders early and to wire extra orders up to the last minute. We want it understood that on account of Christmas rush we will ship orders on first train possible if train ordered on is impossible.

RED BERRIES, extra large cases, 36x14x14.....per case, \$3.00

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

Christmas and New Year Price List.

SUBJECT TO CHANGE WITHOUT NOTICE. IN EFFECT DEC. 20TH.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials.....		\$12.00	Long.....		\$25.00	Red and C. W. Ward Fancy.....		\$10.00
36-inch.....		10.00	Medium.....	\$15.00 to	20.00	Assorted Fancy, other than above...		8.00
30-inch.....		9.00	Good short.....	10.00 to	12.00	Assorted First Quality Choice.....		6.00
24 inch.....		8.00	KILLARNEY.			Assorted Split.....		4.00
20-inch.....		7.00	Long.....		\$25.00	ORCHIDS, White Dendrobium, dz. \$4.00 to 6.00		
Short stem.....	\$3.00 to	5.00	Medium.....	\$15.00 to	20.00	CATTLEYAS..... per doz., \$9.00 to 12.00		
PRINCE DE BULGARIE, Antoine Rivoire or			Good short.....	10.00 to	12.00	ONCIDIUMS..... per 100, \$4.00 to 6.00		
Mrs. Taft.			WHITE KILLARNEY.			EASTER LILIES..... 15.00		
Long.....		\$25.00	Long.....		\$25.00	ADIANTUM CROWEANUM..... 1.00		
Medium.....	\$18.00 to	20.00	Medium.....	\$15.00 to	20.00	MEXICAN IVY..... per 1000, \$5.00 .60		
Short.....	10.00 to	12.00	Good short.....	10.00 to	12.00	SMILAX..... 16.00		
MELODY, long..... 20.00			VIOLETS, Princess of Wales..... 2.50			SPRENGERI, PLUMOSUS SPRAYS 3.00 to 4.00		
Medium..... 15.00			Double, New York..... 2.00			PLUMOSUS STRINGS, extra long and		
Short..... 10.00			Double, Glencoe, home-grown..... 2.50			heavy.....each, .60		
MRS. AARON WARD.			ROMANS..... \$3.00 to 4.00			FERNS..... per 1,000, 2.00		
Long.....		\$25.00	TULIPS, Proserpine..... 4.00			GALAX..... per 1,000, 1.25		
Medium.....	\$18.00 to	20.00	SWEET PEAS..... 1.50 to 2.00			LEUCOTHOE..... per 100, .75		
Short.....	10.00 to	15.00	VALLEY..... \$3.00, \$4.00 and 5.00					
Extra special Roses, charged accordingly.			NARCISSUS, Paper White..... \$3.00 to 4.00					
LADY HILLINGDON.			STEVIA..... 2.00					
Long.....		\$ 20.00						
Medium.....		15.00						
Short.....		10.00						

1877 Now Ready for Shipments of 1912

CHRISTMAS ORDERS

Over thirty-five years in business enables us to place before the trade the largest assortment of Flowers and Florists' Supplies that can be got together, even in our large quarters. Our growers and shippers are concentrating their efforts to make the Christmas of 1912 the banner year in the history of our business. Large or small orders will receive our personal attention. Our trade mark means quality. Place orders now.

American Beauties, Killarneys, Richmonds, Marylands, Tafts, Wards, Hillingdons, Radiance, Orchids, Lily of the Valley, Gardenias, Violets, Sweet Peas, Carnations, and all Seasonable Flowers. Corrugated Cut Flower Boxes.

Boxwood.....	per case,	\$7.50
Laurel Festooning.....	per 100 yards,	6.00
Southern Smilax.....	per case,	\$4.00 and 6.00
Galax.....	per case,	8.00
Hardy Ferns.....	per 1000,	1.50

We are the Grower's Agents; our prices are the grower's prices. We do commission business exclusively in Cut Flowers. You can have your orders filled at all times from the products of the leading growers of New England.

All Varieties of Flowering Plants Shipped Direct from Grower. Send for Price List.

WELCH BROS. CO.

226 Devonshire St., Winthrop Square,

Telephones
6267-6268-5419 Main,

Boston, Mass.

Christmas Baskets

For Plants and Cut Flowers

in all colors, **Brown, Red, Green**, and all the other desirable shades. Try our new **Christmas Red**, the most appropriate basket for the holidays. Recommended by the leading florists of Chicago and other large cities.



ASSORTMENTS

\$5.00 to \$25.00 and up.

Carefully selected purposely
for the holidays.

All Orders Will Be Filled Promptly

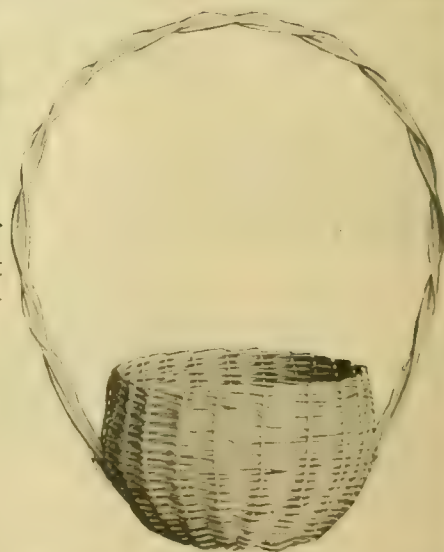
So wire, phone or write immediately. Goods to unknown customers will be sent C. O. D. We manufacture and sell the best Florists' Baskets that are to be obtained in America.

SEND YOUR ORDERS TO US.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave.,

CHICAGO



A. L. VAUGHAN & CO.

BEAUTIES

Killarney, White Killarney, Richmond, and
My Maryland Roses in Large Supply

For Christmas

Also **Carnations** in all the leading varieties, **Poinsettias**, **Violets**, **Valley**, **Cattleyas**, **Sweet Peas**, **Lilies**, **Paper Whites**, **Romans** and a full line of **Greens** of all kinds. **Mistletoe** and **Red Berries** are leaders with us, so be sure and include these in your order.

A. L. VAUGHAN & CO.

CHRISTMAS PRICE LIST:

American Beauties.		Per doz.			Per 100
Long stems.....		\$12 00	CARNATIONS , common.....	\$ 5 00 to \$ 6 00	
36-inch stems.....		10 00	" fancy.....	8 00	
30-inch stems.....		9 00	" red.....	10 00	
24-inch stems.....		8 00	Cattleyas.....	per doz., \$12 00	
20-inch stems.....		6 00	Valley.....	4 00, 5 00	
18-inch stems.....		5 00	Violets.....	1 50 to 2 00	
15-inch stems.....		4 00	Paper Whites.....	3 00 to 4 00	
12-inch stems.....		3 00	Romans.....	3 00 to 4 00	
Shorts.....		2 00	Stevia.....	1 50 to 2 00	
			Lilies.....	per doz., \$1 50 to \$2 00	
			Callas.....	per doz., 1 50 to 2 00	
			Sweet Peas.....	1 00 to 1 50	
			Smilax.....	per doz., \$2 00	
			Adiantum.....	1 00	
			Asparagus Strings.....	each, 75c	
			Asparagus Plumosus.....	per bunch, 35c to 50c	
			Fancy Ferns.....	per 1000, \$2 00	
			Wild Smilax.....	per case, 5 00	
			Boxwood.....	per lb., 25c; 50 lbs., 7 00	
			Mistletoe.....	per lb., 25c	
			" original case, 25 lbs., \$4 50		
			Leucothoe Sprays.....	75	
			Mexican Ivy.....	75	
			Mignonette.....	6 00 to 8 00	
			Red Berries.....	per case, \$3 00	
White Killarney.....		Special..... \$20 00 to \$25 00			
Killarney.....		Fancy..... 15 00 to 18 00			
Maryland.....		Medium..... 10 00 to 12 00			
		Short..... 6 00 to 8 00			
Richmond—Extra long.....		35 00			
" Special.....		25 00			
" Fancy.....		15 00 to 20 00			
" Medium.....		12 00 to 15 00			
" Short.....		8 00 to 10 00			
ROSES, our selection.....		per 100, \$6.00 to \$8.00			
Poinsettias, fancy.....		per doz., \$3 00, \$4 00, \$5 00, \$6 00			

A. L. VAUGHAN & CO.,

(NOT INC.)

161 N. Wabash Ave.,

PHONES } Central 2571-2572
 } Automatic 48-734

CHICAGO

BIG SUPPLY OF ROSES and Carnations FOR CHRISTMAS

All the leading varieties of **Roses** and **Carnations** and a full line of other **Seasonable Stock** and **Greens**. Give us a trial order and let us convince you. We have a habit of making good.

**WRITE NOW
FOR
PRICES**



**CUT FLOWERS
AND
SUPPLIES**

GUST. RUSCH & CO.

Wholesale Florists and Jobbers in Florists' Supplies,

448 Milwaukee St.,

Phone
Main 1245,

MILWAUKEE, WIS.

ANNOUNCEMENT!

The MacNiff Horticultural Co.

62 Vesey Street, New York City

¶ Wish to announce that they have secured the five story and basement building at **56 Vesey Street**, and will occupy same about January 1, 1913.

¶ The store floor, basement and second floor will be used for the Auction Department.

¶ The third, fourth and fifth floors for the Seed Department.

¶ After alterations are completed we will have the finest and most commodious Horticultural auction rooms in the United States and will be in tip top shape to handle any size consignments that our patrons wish to send us.

¶ Wishing our friends and patrons a Merry Xmas and a Happy and Prosperous New Year, we remain,

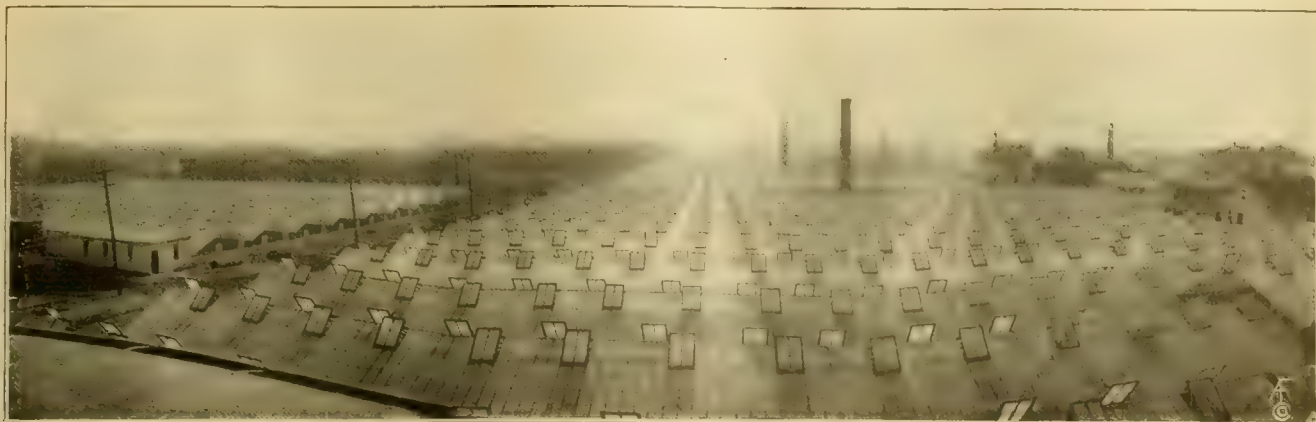
Yours truly,

The MacNiff Horticultural Co.

62 Vesey Street, New York City.

R. W. MacNiff, President and Auctioneer.

Louis Schmutz, Jr., Secretary.



Also a Large Crop of Carnations.

	Per 100	
MY MARYLAND, Special		25 00
Select.....	15 00 to	20 00
Medium.....	10 00 to	12 00
Short.....	6 00 to	8 00
MELODY, Special		25 00
Select.....	15 00 to	20 00
Medium.....	10 00 to	12 00
Short.....	6 00 to	8 00
Roses, our selection		6 00
Carnations, red		10 00
White and pink.....	6 00 to	8 00
Harrisii Lilies, per doz., \$1 50 to \$2 00		
Valley	4 00 to	5 00
Violets		2 00
Sweet Peas	1 00 to	1 50
Stevia	1 50 to	2 00
Adiantum Croweanum	1 00 to	1 50
Asparagus, per bunch	50c to	75c
" strings.....	60c to	75c each
" Sprengeri, bunch, 50 to 75c		
Smilax, per doz	\$1 50 to	2 00
Mexican Ivy		75
Galax, bronze and green, per 1000, \$1 25		
Leucothoe Sprays		75
Boxwood, per bunch	25c	
Ferns, per 1000	\$2 00	

PETER REINBERG,
30 E. Randolph St., L. D. PHONE **Chicago**
CENTRAL 2846.

ROSES

AND CARNATIONS IN FULL CROP FOR CHRISTMAS WRITE FOR PRICES

You had better get our prices before placing your order elsewhere, for we are very reasonable and can save you money. When ordering, do not forget to include **Killarney, White Killarney, Richmond, My Maryland, Brides and Carnations.** Also all **Greens** in season.

HOERBER BROS.

Wholesale Growers of Cut Flowers

162 N. Wabash Ave.,

Long Distance Phones:
Randolph 2758.
Automatic 41770.

Chicago.

"The Busiest House in Chicago"

**Carnations, Violets, Poinsettias, Beauties, Roses,
Wild Smilax and Red Berries**

WE offer you this year as in years past, the best the market affords at strictly market rates. Our stock is complete. We would advise you to get your orders in early, so as to be assured a complete order. Should there be any change in prices, we shall bill accordingly.

CHRISTMAS PRICE LIST:

AMERICAN BEAUTIES.					
	Per doz.		Per 100		Per 100
Long stems	\$12 00	Richmond - Fancy	\$15 00 to \$20 00	Sweet Peas	\$1 00 to \$1 50
36-inch stems	10 00	" Medium	12 00 to 15 00	Smilax	per doz., \$2 00
30-inch stems	9 00	" Short	8 00 to 10 00	Adiantum	1 00
24-inch stems	8 00	ROSES, our selection	6 00 to 8 00	Asparagus Strigs	each, 75c
20-inch stems	6 00	Poinsettias, fancy	\$3, \$4, \$5, \$6	Asparagus Plumosus	per
18-inch stems	5 00	Carnations, common	5 00 to 6 00	bunch	35c to 50c
15-inch stems	4 00	" fancy	8 00	Fancy Ferns	per 1,000, \$2 00
12-inch stems	3 00	" red	10 00	Wild Smilax	per case, 5 00
	Per 100	Cattleyas	per doz., \$12 00	Boxwood	
White Killarney	Special \$20 00 to \$25 00	Valley	4 00, 5 00	per lb., 25c; 50 lbs., 7 50	
Killarney	Fancy 15 00 to 18 00	Violets	1 50 to 2 00	Mistletoe	per lb., 25c
My Maryland	Medium 10 00 to 12 00	Paper Whitea	3 00 to 4 00	" case, 25 lbs., 4 50	
Richmond - Extra long	Short 6 00 to 8 00	Romans	3 00 to 4 00	Leucothoe sprays	75
" Special	35 00	Stevia	1 50 to 2 00	Mexican Ivy	75
	25 00	Lilies, per doz., \$1 50 to \$2 00		Mignonette	6 00 to 8 00
		Callas, per doz., 1 50 to 2 00		Red Berries	per case, 3 00

J. B. DEAMUD CO.

Everything in Cut Flowers and Greens

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago

Bassett & Washburn

We are Growers--Our Specialties

BEAUTIES

We have never seen a finer crop than we now have. The special long stems are recognized as the choicest on the market.

MRS. WARD.

We have the largest quantity on this market and our Wards for color and size of bloom are seldom equaled. This is the rose the people want.

RED ROSES.

Our Rhea Reids will rival medium and short stem Beauties for size and color. They are the best in the middle west and our Richmonds are very choice.

KILLARNEYS.

Both White and Pink are in big crop and choice quality.

CHRISTMAS PRICE LIST

American Beauties

Specials, extra long stems.....	\$12 00 per dozen
36 inch stems.....	10 00 per dozen
24 inch stems to 30 inch stems.....	\$ 7 00 to 9 00 per dozen
18 to 20 inch stems.....	5 00 to 6 00 per dozen
12 to 15 inch stems.....	3 00 to 4 00 per dozen

Rhea Reid	Per dozen	Pink Killarney	Per 100
Specials extra long.....	\$ 5 00	Specials.....	20 00
Selects.....	4 00	Good.....	15 00 to 18 00
Medium.....	2 50 to 3 00	Medium.....	12 00
Short.....	1 50	Short.....	8 00

Richmonds	Per 100	White Killarney	
Extra long.....	\$25 00	Specials.....	\$15 00 to \$18 00
Good length.....	\$18 00 to 20 00	Good.....	12 00
Medium.....	12 00 to 15 00	Medium.....	10 00
Good Short.....	10 00	Short.....	6 00 to 8 00

Mrs. Ward	Per 100	Carnations	Per 100
Extra long.....	\$25 00	Fancy pink and white.....	\$ 8 00
Good length.....	\$18 00 to 20 00	Good.....	6 00
Medium.....	12 00 to 15 00	Red Carnations, very scarce. We will get them for you at market prices.	
Good Short.....	10 00		

Harrisii Lilies.....per doz., \$2 00; per 100, \$16 00	Ferns , per 1000.....	2 00
Narcissus Paper White, per 100.....	Smilax , per doz.....	1 50 to 2 00
Lily of the Valley, per 100.....	Adiantum , per 100.....	1 00
Roman Hyacinths, per 100.....	Galax , green, per 1000.....	1 00
Asparagus Sprays, per 100.....	Galax , bronze, per 1000.....	1 00
Sprengeri, per 100.....		

We Grow all the Stock We Sell and Guarantee It to be Strictly Fresh.

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

Large Supply of Cut
Flowers for Xmas.

ROSES
CARNATIONS
VIOLETS and
GREENS

XMAS PRICE LIST. Subject to change without notice.

Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 12.00	\$ 10.00	\$ 9.00	\$ 8.00	\$ 7.00	\$ 6.00	.....
Killarney.....per 100	25.00	20.00	16.00	12.50	10.00	8.00	6.00
White Killarney.....	25.00	20.00	16.00	12.50	10.00	8.00	6.00
My Maryland.....	25.00	20.00	16.00	12.50	10.00	8.00	6.00
Richmonds.....	35.00	30.00	25.00	20.00	15.00	12.50	10.00
Carnations.....	10.00	8.00	6.00	5.00	.....	.....	.....
Lily of the Valley.....	5.00	4.00	.....	.....	.....	.....	.....
Violets, Extra fine single.....	2.00	1.50	.....	.....	.....	.....	.....
Double.....	2.50	2.00	.....	.....	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....	.....	.....
Romans.....	4.00	3.00	.....	.....	.....	.....	.....
Paper White Narcissus.....	4.00	3.00	.....	.....	.....	.....	.....
Stevia.....	1.50	1.00	.....	.....	.....	.....	.....
Easter Lilies.....	15.00	12.50	.....	.....	.....	.....	.....
Daisies.....	1.00	.....	.....	.....	.....	.....	.....
Poinsettias, extra good stock, per doz.	5.00	4.00	3.00	.....	.....	.....	.....
Asparagus Plumosus Sprays, per 100	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprenger Sprays.....	3.00	2.00	.....	.....	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....	.....	.....
Plantum.....per 100	1.00	.75	.....	.....	.....	.....	.....
Wint'r Berries, large heavy berry'd case	3.00	2.50	1.50	.....	.....	.....	.....

Mention the American Florist when writing

Each Grower's Goods are Sold Separately

Every sale, large or small, is recorded in triplicate. Advice of sale note sent out day following arrival of goods.

WEEKLY CHECKS

Commission
charges and other
valuable information
for the asking.

MOORE, HENTZ & NASH, 55 West 26th St., N.Y.
MOORE, HENTZ & NASH, 55 West 26th St., N.Y.

Consignment
notes, small box
slips and shipping
cards FREE.

WRITE US TODAY

Telephone 756 Madison Sq.

No Guess Work in Our Methods
All goods are placed on show at the same
time. Having ample space, we are able
to do this to great advantage.

Mention the American Florist when writing

Send Your Orders
for Gold Letters to

J. LICHTENBERGER 1564 AVENUE "A"
NEW YORK

Gold, Silver and Purple Letters well gummed to put on ribbons, used on floral work. Gold and Purple SCRIPTS. Best and cheapest on the market. Write for samples and reduced prices.

Mention the American Florist when writing



PARTIAL VIEW OF OUR GREENHOUSES AT WESTERN AND BERWYN AVES., CHICAGO.

For Christmas

we shall have a fine lot of **ROSES** to offer, including the much-called for **Richmonds**, **Beauties**, **Pink Killarney**, **White Killarney**, **Bulgarie**, **Marylands**, besides **Mrs. Jardine** and **Aaron Ward**.

Our Carnations

Are the best on this market, including such varieties as **Winsor**, **Enchantress**, **After-glow**, **Aristocrat**, **Victory** and **White Perfection**. We anticipate a shortage in the Carnation lines, and as such we will endeavor to fill Carnation orders to the best of our ability.



LARGE SUPPLY OF

Blue Ribbon Valley

The Leader of All Chicago Valley

Our **Valley** is in a class by itself, due to the reason that we buy only the best of Pips, house well adapted for its forcing, and forced by a skilled grower; hence if you wish the choicest to be had, you will make no mistake in ordering from us our famous **Blue Ribbon Valley**.

ALSO PLENTY OF

Sweet Peas, **Single and Double Violets**, **Harrisii**, **Narcissus**, **Stevia**, **Asparagus**, **Greens**, and **All Other Seasonable Stock**.

NOTE.—We desire that you place your orders early. Don't wait until the last minute, only to learn that stock is well ordered up.

Owing to lack of time during holidays, orders from new customers should contain suitable references, for should your name not be rated in the agencies, shipments will be sent C. O. D.

Store open from
7:30 a. m. until 6
p. m., closing holi-
days at 12 noon.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

PERCY JONES

V

L. M. JONES Secy.



Three Years Ago Size of the Store 20x20

SHOWING SECTION OF CUT FLOWER DEPARTMENT

Now Each Table 16x4

**Importers and
Jobbers of
Florists' Supplies.**

**Ribbons and
Chiffons
Our Specialty.**



H. VAN GELDER.

**Wholesalers of
Cut Flowers
and Greens.**

**We Sell
Everything Used
by Florists.**

56 E. Randolph St.,

ESTABLISHED 1903—INCORPORATED 1911.

CHICAGO, ILL.

143 LAR

Of EXTRA FANCY American Be
Richmond, My Maryland, Sunburst

IN FULL CROP

Finest stock obtainable. Place your orders with



This is only a portion of our large plant. Two other Ranges of same size are not shown in this illustration. Our plant is the third largest in size in this country and is planted entirely to Cut Flowers.

WIETOR B

162 North Wabash Avenue,

L. D. Phone

GE HOUSES

uties, Killarney, White Killarney,
Roses and all Leading Carnations

FOR CHRISTMAS

us. We have the stock and our prices are right.

XMAS PRICE LIST:

American Beauties

	Per Dozen.		Per Dozen.
60-in. stems	\$12.00	24-in. stems	\$6.00
48-in. stems	10.00	20-in. stems	4.00
36-in. stems	9.00	15-in. stems	3.00
30-in. stems	7.00		

Killarney

	Per 100		Per 100
Extra specials	\$25.00	Medium	\$15.00
Selects	20.00	Good	10.00
Fancy	18.00	Short stems	8.00

Richmond

	Per 100		Per 100
Extra specials	\$30.00	Medium	\$18.00
Selects	25.00	Good	15.00
Fancy	20.00	Short stems	10.00

White Killarney

	Per 100		Per 100
Extra specials	\$25.00	Medium	\$12.00
Selects	20.00	Good	10.00
Fancy	15.00	Short stems	8.00

Sunburst

	Per 100		Per 100
Extra specials	\$30.00	Medium	\$15.00
Selects	25.00	Good	12.00
Fancy	20.00		

My Maryland

	Per 100		Per 100
Extra specials	\$25.00	Medium	15.00
Select	20.00	Good	10.00
Fancy	18.00		

Roses, our selection - \$8.00

Carnations

Red, extra special, per 100, \$10.00; Fancy, \$8.00; Good, \$6.00.

Enchantress, extra special, per 100, \$7.00; Fancy, \$6.00; Good, \$5.00.

Pink Lawson, Winsor, White Perfection, White Enchantress, White Lawson, per 100, extra special, \$6.00; Fancy, \$5.00; Good, \$4.00.

Ferns, 1000, \$2.00; **Smilax**, doz., \$1.50 to \$2.00

Adiantum, 100, \$1.00 to \$1.50; **Galax**, 1000, \$1.00

Sprenger, per bunch - 50c

Asparagus Sprays, - 50c

ROTHERS

Randolph 2081,

CHICAGO, ILL.

The Garland Concrete Bench and Post Forms.

Complete Outfit For a Short Time Only, \$40.00 Per Set. Order Your Set To-Day.

As the concrete used in these benches is mixed semi-dry and rammed into the molds, they can at once be removed, as there is no waiting for cement to set. This also makes the bench blocks more porous, so that they will absorb water and insure perfect drainage. This is one of the features which should not be overlooked. Wet molded, or one piece benches do not absorb water.

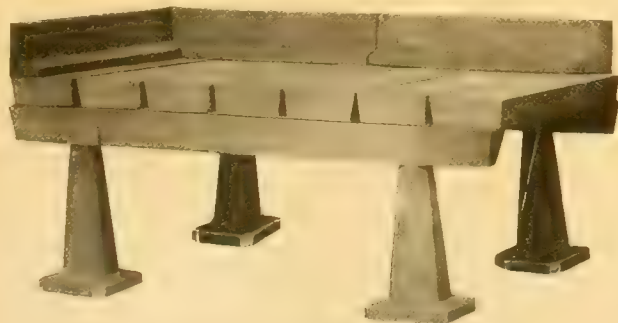
The cost of material and labor, including setting this bench up, ready for filling, is about six cents per square ft., or \$30.00 per 100 lineal ft. for 5 ft. bench; as one set of molds is sufficient for a moderate size plant, the cost of apparatus is insignificant when compared with the price asked for the bench clamps and post molds necessary to construct a one piece bench.

As we are placing our complete outfit on the market at \$40.00 per set, which places it within the reach of all enterprising growers; and as our bench is portable when once constructed, it is always a live asset, and does not have to be broken up at considerable expense, and relegated to the rubbish pile, but can be reconstructed when remodeling your houses, and the convenience in repairing leaking pipes and numerous other points of advantage will be appreciated. Upon sending us your order, we will mail you full instructions for the mixing of cement and operation of our molds.

The outfit for making this bench, consists of 1 Post Mold, 1 Stringer Mold, 1 Slab Mold and 1 Side Mold. With these four molds you can get from 4 to 5 hundred pieces per day, working one man for each mold. As the blocks when made semi-dry increase in strength with age, it is necessary that they be made at least 60 days before using.

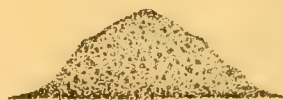
The rapidity with which this bench can be erected when it becomes necessary to tear out an old bench will be appreciated, when time is important. These bench blocks should be made during the winter months and have them on hand, so that two men can set them up as fast as two men will remove the old bench and level the old ground.

The bench can be erected in less time than is required to set up the sub-frame, or mold, for a one piece bench.

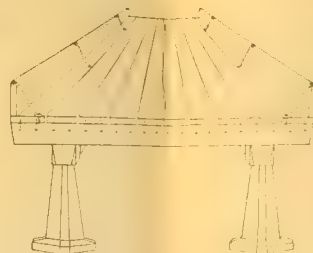


The above cut is a cross section of one of our benches, showing construction. Note perfect drainage, total height using 17 inch post 30 inch.

CONVERT YOUR INTO



CINDER PILE



CONCRETE POSTS

Two men can make 125 to 150 POSTS a day.

Use the following proportions for mixing, figuring that one bag of cement contains three buckets

Cinders	13
Old Propagating Sand	8
Cement	3—equals 25 posts.

125 Posts requires 5 bags cement at \$1.60 per bbl.	\$2.00
125 Posts requires 2 laborers at \$1.75 per day	3.50
Cinders and Propagating Sand cost nothing	0.00

Which makes your POSTS cost you 4.4 cents apiece. \$5.50

They will last a life time. No post holes to dig. Post has a 10-inch base, sets on top of ground.

What are your posts costing you? We only sell the MOLDS—you do the rest.

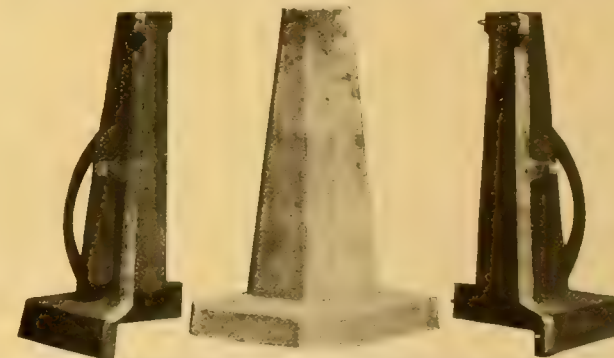
These Post Forms are made in 2 sizes, 17 inches and 25 inches; any height post can be made from the 25-inch form by placing a block in the small end.

FOR ALL KINDS OF GREENHOUSE MATERIAL WRITE TO

GARLAND PLACED THE FIRST CONCRETE BENCH ON THE MARKET and it is one of the few which have been found O. K. by the leading florists of this country. S. A. Jamieson, recently with the Universal Portland Cement Co., is now connected with our company and is ready to answer all questions pertaining to use of cement. Mr. Jamieson has given illustrated lectures on the uses of cement in greenhouses before several of the Florists' Clubs in the middle west, and his lectures show that he thoroughly understands his business. He called on the florist trade exclusively while in the cement business and was quick to see the wonderful future of the concrete bench. Concrete benches have come into general use and are giving excellent results. It is a very common occurrence to hear that stock grown on concrete benches has won first prize at some flower show, so get one of our outfits and build your own concrete benches. Remember Mr. Jamieson is always ready to give advice on the use of cement.

ANNOUNCEMENT.

We have recently opened branch offices in several of the large cities and earnestly request all growers who are planning on building to write to our office in their vicinity or if possible call and see our representative and get our plans and estimates before placing your order. MEANS & THACHER, Boston, Mass., represent us in the East; C. C. SHAFER, Los Angeles, Calif., in the southwest, and S. A. JAMIESON, Minneapolis, Minn., in the northwest.



Post and Post Forms. These posts have a 10 inch base and set on top of ground. Made in two heights, 17 inch and 25 inch.

THE GEO. M. GARLAND CO.

Lock Box S, Des Plaines, Ill.

H. Wittbold

Wholesale Florists and Decorating Specialists

HEADQUARTERS FOR ALL KINDS OF

**Xmas Greens, Cut Flowers, Ruscus,
Oak Sprays, Beech Branches,
Prepared Decorative Materials
and General Supplies**

EXCELLENT WILD SMILAX, \$4.25 per case

while it lasts. Order early.

Phones | Rogers Park 227—Nursery.
| Randolph 4708—Office.

56 E. Randolph St., Chicago

Wietor Bros.' stock is arriving in fine condition, especially the American Beauty roses which are now just coming in. N. J. Wietor says that his firm is going to have a larger supply of stock this Christmas than it did last year, especially in American Beauty, Richmond, Killarney, White Killarney, My Maryland and Sunburst roses. Orders have been coming in in every mail and the outlook for a big trade at this house is very bright.

H. Van Gelder, with Percy Jones, is not on the sick list as was mentioned in one of the trade papers last week but is pretty much alive and attending to business every day as usual. The item was really amusing but the writer probably had reference to some one else and not Mr. Van Gelder. The outlook at this house for a brisk trade in both the cut flower and supply departments for the holidays never was brighter.

Peter Reinberg will have American Beauties in large supply for Christmas and will also have plenty of roses. The stock throughout the Reinberg range is in fine condition and promises a good steady cut. Tim Matchen says the Christmas orders are commencing to arrive at the store and that several large ones have already been booked.

John Kruchten disposes of his choice home grown gardenias about as fast as they arrive at the store. The flowers are now extra large and are of unsurpassed quality. A visit to Mr. Kruchten's father's place, the Nic. Kruchten range, in Bowmanville, found the carnation crops in fine condition with a good cut promised for the holidays.

Erne & Klingel are filling a large number of local and shipping orders for all kinds of stock and are still showing some fine American Beauty roses. In addition to a full line of cut flowers, this firm will have plenty of green goods for the holiday season.

Zoeck & Mann had a good call for stock all this week, especially on December 9, when the shipping trade was very brisk. This firm is making preparations for a big Christmas trade and expects to be well fixed on all kinds of stock, especially roses.

Winterson's Seed Store has taken on a holiday appearance and a crew of girls is busy preparing the Christmas greens for holiday use. The cut flower department will be on deck as in former years with a supply of seasonable cut flowers.

George M. Garland and wife left on December 10 for a three weeks' visit at San Antonio, Texas. Mrs. Garland has not been well for some time and the trip was taken mainly for the benefit of her health.

Hoerber Bros. will have a good cut of Killarney, White Killarney and Richmond roses for the holidays, according to Harry Manheim, who visited his firm's greenhouses at Des Plaines, on December 8.

George Stollery will be a candidate for alderman in the twenty-fifth ward. It is understood that Wm. F. Schofield, the North State street florist, will again be a candidate for the same office in his ward.

C. F. McCormick, with the A. L. Randall Co., is back from a successful trip through the northwest. W. W. Randall is also back from a trip and will help out at the store during the holiday rush.

Raymond V. Kester, with the Hill-Heller Co., Indianapolis, Ind., was in the city on business this week. He placed a large order for baskets with the Raedlein Basket Co., for his holiday trade.

M. C. Gunterberg is featuring some fine winter berries, violets and roses. She is still nursing a sore thumb which was injured a few weeks ago.

The Alpha Floral Co. is making a grand display of blooming plants and cut flowers at its store on South Wabash avenue.

O. Johnson is supplying the Batavia Greenhouse Co.'s customers with a fine grade of American Beauty roses.

Joseph Trinz, with Lubliner & Trinz, has returned from an enjoyable visit with his folks in the east.

Kyle & Foerster are having a good call for American Beauty roses right along.

H. Wittbold is kept on the jump nowadays with decorations of all kinds.

KENNICOTT BROS. CO.

Wholesale Florists

**163 N. Wabash Ave.,
Chicago, Ill.**

Long Distance Telephone,
Central 466.

There is a saying among Florists of Chicago and the West:—
"When you are stuck, go to Kennicott's; you can get it there!"

CHRISTMAS Flowers and Greens

**Order Anything You Need.
You Can Get It All Here.**

BOXWOOD

Fancy, per 50-lb. case, \$7.50; per bunch, 30c

LEUCOTHOE

Fine long stock, 75c per 100.

MEXICAN IVY

Fancy stock, 60c per 100.

GALAX

Green or bronze, \$1.25 per 1000.

ASPARAGUS

Fancy sprays, \$2.00 to \$3.00 per 100.

FERNS

Best in the country, \$1.50 and \$2.00 per 1000.

Christmas Price List

We look to have some very fancy White and Pink Chrysanthemums, at \$3 00 to \$5 00 per doz.

AMERICAN BEAUTY		Per doz.
Extra long stems.....	8 00 to	\$12 00
Stems 30 to 36 inches.....	8 00 to	10 00
Stems 25 inches.....	4 00 to	9 00
Stems 12 to 20 inches.....	\$3 00 to	6 00
		Per 100
Killarney.....	\$8 00 to	\$25 00
White Killarney.....	8 00 to	25 00
Richmond.....	8 00 to	25 00
My Maryland.....	8 00 to	25 00
Roses, our selection.....		6 00

CARNATIONS

Common.....	5 00 to	6 00
Fancy.....	8 00 to	10 00
Valley.....	4 00 to	5 00
Poinsettias.....	doz., \$2 00 to	\$4 00
Harrisii Lilies, doz.,	2 00 to	2 50
Violets, single and double.....	\$1 50 to	2 00
Sweet Peas.....	1 00 to	2 00
Paper Whites and Romans.....	3 00 to	4 00
Stevia.....	1 50 to	2 00

DECORATIVE

Asparagus Plumosus, per string,	50 to	75
" Sprays, per 100,	2 00 to	3 00
" Sprenger.....	per 100,	2 00 to 3 00
Adiantum.....	per 100,	75 to 1 00
Smilax.....	per doz., \$1 50 to	\$2 00
Ferns.....	per 1000,	1 50 to 2 00
Galax.....	per 1000,	1 25
Leucothoe, per 1000		6 00
Boxwood.....	30c per bunch	
Mexican Ivy.....	per 100,	75

These prices are our best judgment of Christmas values, but all stock will be billed at market rates day of shipment.

**Remember—When you are stuck,
KENNICOTT will help you out.**

Beauties, Roses and Carnations

LARGE SUPPLY For Christmas.

Extra Fancy Killarney, White Killarney, Richmond, and all other leading Roses. In addition to the above we will have a large supply of

ALL OTHER SEASONABLE FLOWERS AND GREENS.

PLACE YOUR XMAS
ORDERS WITH US NOW.

Erne & Klingel,

WHOLESALE FLORISTS,
30 E. Randolph St.,

L. D. Phone,
RANDOLPH 6578.
CHICAGO

XMAS PRICE LIST.

American Beauties.		Per doz.	Cattleyas...		per doz., \$12 00	Per 100
Long stems		\$12 00	Valley			4 00, 5 00
36-inch stems		10 00	Violets			1 50 to 2 00
30-inch stems		9 00	Paper Whites			3 00 to 4 00
24-inch stems		8 00	Stevia			1 50 to 2 00
20-inch stems		6 00	Lilies, per doz., \$1 50 to \$2 00			
18-inch stems		5 00	Callas, per doz., 1 50 to 2 00			
15-inch stems		4 00	Sweet Peas			\$1 00 to \$1 50
12-inch stems		3 00	Smilax	per doz., \$2 00		
		Per 100	Adiantum			1 00
White Killarney	Special	\$20 00 to \$25 00	Asparagus Strings, each, 75c			
Killarney	Fancy	15 00 to 18 00	Asparagus Plumosus, per bunch			35c to 50c
My Maryland	Medium	10 00 to 12 00	Fancy Ferns, per 1,000, \$2 00			
	Short	6 00 to 8 00	Wild Smilax, per case, 5 00			
Richmond—Extra long		35 00	Boxwood			
	Special	25 00	per lb., 25c; 50 lbs., 7 00			
Richmond—Fancy		\$15 00 to \$20 00	Mistletoe, per lb., 25c			
	Medium	12 00 to 15 00	" original case, 25 lbs., 4 50			
	Short	8 00 to 10 00	Leucothoe sprays			75
ROSES, our selection		6 00 to 8 00	Mexican Ivy			75
Carnations, common		5 00 to 6 00	Mignonette			6 00 to 8 00
	fancy	8 00	Red Berries, per case, 3 00			
	red	10 00				

The dance given by the Cook County Florists' Association at the Bush Temple Hall on December 4, was largely attended and everyone present had a most enjoyable time. George Wienhoeber and wife led the grand march which was the feature of the evening. H. E. Philpott, of Winnipeg, came here purposely for the dance, returning home the following day. Allie Zech, Otto Goerish, Wm. Graff, Eddie Schultz and A. C. Kohlbrand of the sports and pastimes committee, had charge of the arrangements and presented each lady with a handsome souvenir in honor of the occasion.

Herbert E. Griffin and Miss Magdalene Bald, daughter of Mr. and Mrs. A. G. Bald of Sheridan Park, will be married some time next month. Mr. Griffin is well known and very popular with the local trade, especially among the wholesale men. Miss Bald took the part of Queen Isabella in the landing day at Grant Park, on October 12, and in the same celebration last year. The members of N. J. Wietor's Pikers' Club are afraid that Mr. Griffin will not find time to accompany them on their next fishing trip, which will indeed be a great disappointment.

The A. Dietsch Co. is supplying the material for 10 new houses 15x100 feet for Chamberlain Bros., of Denver, Colo. This firm is also furnishing the material for 2 new houses for the Farmers' Nursery Co., of Troy, O.

The John C. Moninger Co. shipped a carload of material this week to Bassett & Washburn for their new chrysanthemum houses at the new Greggs station range.

John Canger with Canger & Bergmann, says that everything is going along lovely at their new store and that table decorations are keeping him busy.

Dwight L. Harris, of the Pulverized Manure Co., says that trade is quiet just now but that the season on the whole has been a very satisfactory one.

The E. C. Amling Co. is showing fancy Radiance roses grown by Wendland & Keimel of Elmhurst.

Weiland & Risch are in good crop with roses and report a brisk demand for stock in general.

Sinner Bros. are cutting Killarney, White Killarney and Richmond roses of good quality.

D. E. Freres has a fine grade of carnations which are bringing fancy prices.

George Reinberg is featuring a fine grade of roses and callas.

A FULL LINE OF

Cut Flowers & Greens for Christmas

Roses and Carnations of Fine Quality.

CHRISTMAS PRICE LIST.

Order Now.

AMERICAN BEAUTIES—

Per doz.	Per doz.
Extra long...\$12 00	20-in. stems...\$6 00
48-in. stems... 10 00	18-in. stems... 5 00
36-in. stems... 9 00	15-in. stems... 4 00
30-in. stems... 8 00	12-in. stems... 3 00
24-in. stems... 7 00	Shorts... 2 00

Extra Special Richmonds

Specials.....	\$30 00 to \$35 00
Select.....	25 00
Medium.....	15 00 to 20 00
Shorts.....	10 00 to 12 00
Killarney, Special.....	6 00 to 8 00

White Killarney, Special

Select.....	25 00
Medium.....	15 00 to 20 00
Short.....	10 00 to 12 00
Mrs. Aaron Ward, Special.....	6 00 to 8 00

Mrs. Aaron Ward, Special

Select.....	25 00
Medium.....	15 00 to 20 00
Short.....	10 00 to 12 00

My Maryland, Special

Select.....	25 00
Medium.....	15 00 to 20 00
Short.....	10 00 to 12 00
Melody, Special.....	6 00 to 8 00

Roses, our selection

Select.....	25 00
Medium.....	15 00 to 20 00
Short.....	10 00 to 12 00
Roses, our selection.....	6 00 to 8 00

Carnations, Red

White and Pink.....	10 00
Harrisii Lilies.....	5 00 to 8 00
Valley.....	5 00 to 8 00

Violets

Sweet Peas.....	4 00 to 5 00
Stevia.....	2 00
Adiantum Croweanum.....	1 00 to 1 50

Asparagus

per bunch, 50c to 75c	
strings, each, 60c to 75c	
Sprenger, bunch, 50c to 75c	

Smilax

Mexican Ivy.....	1 50 to 2 00
Galax, bronze and green, per 100, \$1 25	
Leucothoe Sprays.....	75

Boxwood

per bunch, 25c	
Ferns.....	per 100, \$2 00

D. E. FRERES, 30 E. Randolph St., Chicago

For Christmas

We will have a full line of all

CUT FLOWERS

Daily Shipments from 40 to 60 Growers, Which Means Fresh Stock

HEADQUARTERS ON GREEN GOODS.

We have made arrangements for an extra large supply of

Fancy Italian Boxwood, short sprays for wreaths, extra quality.
Wild Smilax, Leucothoe, Galax, Ferns, Natural
Magnolia, Etc.

All Goods Billed at Chicago Market Prices at Time of Shipment.

E. F. WINTERSON CO.,

L. D. Phone, CENTRAL 6004. 166 N. Wabash Ave., CHICAGO



The stock in J. A. Budlong's greenhouses is in fine shape and a good cut of roses in general is assured for the holidays. Richmond is in fine condition here and this firm will have a good supply of these flowers for Christmas. A good crop of short stemmed American Beauty roses is visible and Killarney and White Killarney will be in good supply. Radiance, Mrs. Aaron Ward, Melody and Killarney Queen are also grown and My Maryland has found a permanent home here. Lily of the valley is grown extensively and the cut will be large for some time. A good trade has been built up on their blue ribbon brand and a regular list of customers now use this grade. Phil. Schupp has been devoting most of his time to the greenhouses since A. H. Budlong's absence and has proved to be as good a grower as he is a store manager. Really, one would believe as he escorts you through the houses that he likes the growing end of the business best. The carnation range is also looking fine and while the carnations will not be in full crop for the holidays the cut will be quite large.

The Chicago Carnation Co. is going to give its annual excursion to its greenhouses at Joliet, next Wednesday, December 18, when the trade is cordially invited to see their new scarlet carnation. The Herald, growing. Everyone will be supplied with tickets on the train and luncheon will be served in the greenhouses.

Bassett & Washburn have a fine cut of American Beauty roses that are exceptionally fine and a good supply of all other seasonable stock. The firm's rose crops will be in fine shape for Christmas, especially Richmond and their favorite rose, Rhea Reid.

Kennicott Bros. Co. expects to have a good supply of White Bonaffon and Helen Frick chrysanthemums for Christmas. E. E. Pieser thinks that boxwood is going to be a scarce article on this market and looks for an advance in price soon.

The Raedlein Basket Co. is doing a big holiday business and the force is now working overtime to fill orders. This firm's new Christmas red is making quite a hit with the trade.

George C. Hartung, the Kensington florist, reports a brisk Thanksgiving trade in blooming plants and decorative stock. Cyclamens and begonias were sold out at good prices.

The George Witthold Co. is expecting a big demand for blooming plants

ORCHIDS

AND ALL OTHER

Seasonable Cut Flowers

—FOR—

CHRISTMAS.

Headquarters for all kinds of

Xmas Greens and Supplies.

Write for Price List.

CHAS. W. McKELLAR

22 E. Randolph Street
CHICAGO



Sinner Bros.,

82-84-86 E. Randolph St., CHICAGO

Roses and Carnations

OF FINE QUALITY FOR CHRISTMAS.

Send us your order and we will bill you at wholesale market rates.

Our stock will surely please your customers. **ORDER NOW.**

and decorative stock for Christmas and is prepared for the rush with a complete line of stock.

A. Henderson & Co. are very busy filling holiday orders. A. Miller and D. Roy are helping out during the rush and Guy M. Reyburn is expected home soon.

W. H. Hilton is building up a good trade at his new store and is running a regular daily advertisement in the Hyde Park News.

Miss K. N. Cooper, proprietress of the Auburndale Goldfish Co., has returned from a business trip to Washington, D. C.

T. B. Gray, sales manager for the George M. Garland Co., has returned from a flying trip to Grand Rapids, Mich.

F. Farney, representing M. Rice & Co., Philadelphia, Pa., called on the trade here this week.

Vaughan's Seed Store has been handling a carload of holly and boxwood daily the past week.

E. G. Hill, of Richmond, Ind., was the guest of C. L. Washburn at Hinsdale this week.

D. D. Johnson, with the United Fertilizer Co., is back from an eastern trip.

Visitors: Paul M. Palez, Little Rock, Ark.; J. Shelton, Rochester, Ind.; E. J. Fancourt, of the S. S. Pennock-Meehan Co., Philadelphia, Pa.; E. H. Cushman, Sylvania, Ohio; Raymond V. Ketter, with the Hill-Heller Co., Indianapolis, Ind.; R. Vincent, Jr., and wife, White Marsh, Md.; E. G. Hill, Richmond, Ind.; A. L. Glaser, Dubuque, Ia.; A. C. Raichar, Michigan City, Ind.

Chicago Florists' Club.

The regular meeting of the Florists' Club was held in the Crystal room of the Hotel Sherman Thursday evening, December 5, President Foley in the chair. The principal business of the evening was the election of officers, which resulted as follows: G. W. French, president; Alex. Henderson, vice-president; E. F. Winterson, treasurer; Wilder S. Deamud, secretary. H. N. Bruns was elected to succeed himself as trustee, the holdover trustees being George Asmus and C. L. Washburn.

Refreshments were served and later the members, with their ladies and friends, proceeded to the Boston theatre on Clark street, where President Vincent of the Society of American Florists gave his interesting lecture on the London international flower show, supplemented with views of the Dutch bulb fields and other European scenes of horticultural interest. The visitors included E. G. Hill, Richmond, Ind., D. S. Lake, Shenandoah, Va., and R. V. Kester, Indianapolis, Ind.

W. J. Keimel, of Wendland & Keimel, exhibited a nice vase of Milady, the new red rose which has attracted so much attention recently, and says that, next to Richmond, it is the best red rose we have for color and is very promising as a producer.

NEGAUNEE, MICH.—The proprietors of the Negaunee Greenhouses estimate their business for the year as from 20 to 25 per cent in excess of any similar period. Something like 50 per cent of the cut flowers and plants disposed of are shipped to outside points.

EXTRA FANCY ROSES

Carnations FOR CHRISTMAS.

And All Other Seasonable
Flowers in Good Supply.

Carnations will be scarce, so order liberally of Killarney, White Killarney, Richmond, My Maryland, and all other leading roses, besides Violets, Lilies, Valley, Sweet Peas, Paper Whites, Stevia and all Greens in season. Remember, our aim is to please you. Let us do it this Christmas. **WRITE FOR PRICES.**

ZECH & MANN, WHOLESALE FLORISTS,

162 N. WABASH AVE.

L. D. Phone, CENTRAL 3284

CHICAGO

Milwaukee.

CONDITIONS UNCHANGED.

The market condition seems to remain practically unchanged with a scarcity in carnations which has increased the demand for roses. There has not been much bulb stock arriving at the present time but there are plenty of stevia and greens. A few sweet peas are arriving and violets are still bringing a good price. There is enough lily of the valley to fill all orders.

NOTES.

The C. C. Pollworth Co. has had a very good season and the firm is now devoting its attention to the holiday business. The Thanksgiving trade with this firm was the best in years and much better than was expected. Mr. Pollworth in speaking of the St. Paul flower show says he was surprised to see such a large number of fine chrysanthemum plants on exhibit, for there are very few grown now here.

The Holton & Hunkel Co. have a fine assortment of blooming plants for Christmas and are featuring a fine grade of cyclamen and azaleas. They are now disposing of a fine grade of araucarias and pandanus and will have a good cut of Killarney and White Killarney roses for the holidays. Their Watertown violets continue to arrive in A1 quality and are having a good sale.

At the meeting of the Milwaukee Florists' Club the annual election of officers took place, as follows: A. Leidiger, president; George Holton, vice-president; E. Oestrecker, secretary; J. Livingston, treasurer; C. C. Pollworth, trustee for three years.

Gust Rusch & Co. received their first shipment of boxwood and red berries, the red berries being as fine as any seen on this market for some time. This firm reports good business.

Manke Bros. have a very fine growth of carnations and all indications are that there will be a shortage on red and Enchantress for Christmas but a good cut of white.

The Heitman-Oestrecker Co. is cutting some very fine carnations which find ready sale. This firm expects a fine cut for the Christmas trade.

A. Reinhardt's greenhouses have improved considerably both in appearance and in stock. He expects a good cut for the holidays.



Bouquet Green Wreathing.

N. B.—BULK GREEN SPECIAL,
300 Pounds for \$15.00.

VAUGHAN SEED STORE
Chicago New York

Evergreen Wreathing

Put up in coils of 20 yards.

	Per 1000 yds.	Per 100 yds.
Light Grade.....	\$25.00	\$3.00
Medium Grade.....	33.50	4.00
Heavy Grade.....	45.00	5.00

Write or wire for prices on larger quantities.

BULK BOUQUET GREEN

XXX Holly

Boxwood

Laurel Wreathing

Holly and Evergreen

Wreaths

Mistletoe and Immortelles.

Write for our "Christmas List."

J. M. Fox & Son had their entire force busy the latter part of the week owing to the large amount of funeral work.

Fred Schmeling has a fine batch of Harrisii lilies from which he expects to cut in the near future.

Phillip Frisch has taken charge of the floral department of the Hotel Pfister.

M. A. McKenney Co. reports business good. G. R.

St. Louis.

WHOLESALE HOUSES BUSY.

The weather is cool and clear. Greens, lycopodium, holly, boxwood, etc., are seen everywhere and the wholesale houses are doing a rushing business in ruscus and holiday goods. Chrysanthemums are about over but a few stragglers will probably hang on till Christmas. Carnations are coming in more freely but prices are stiff. Quite a number of American Beauty roses are coming in shapeless and bull-headed. Violets and sweet peas are improving daily and find good sale although the peas do not as yet show very good quality. Ferns are now \$2 per 1,000.

Clean Newspapers

for lining shipping boxes

\$16.00 per ton.

F. O. B. Chicago.

In less than ton lots

\$1.00 per 100 lbs.

L. HOECKNER

(STOGIE)

1515 Clybourn Ave., Chicago.

Mention the American Florist when writing

NOTES.

Ostertag Bros. had the largest decoration in years for the coming out of Miss Marie Busch, Friday. The ball was given at Sunset Inn in the country. The decorations were superb, including 60 cases of wild smilax, 700 strings of smilax, 250 selected palms, 3,600 select Pink Killarney roses, 800 long-stemmed beauties, and a profusion of pink and white orchids and gardenias. Vases of flowers, shower bouquets and wonderful decorations were seen in the dining room. In the ball room, stairway and corridors, there were special decorations of birchwood, American Beauty roses and asparagus. The debutante bouquet of orchids and lily of the valley cost \$100.

Geo. H. Angermueller has a fine supply of orchids, American Beauty roses and other flowers. His Christmas supply of novelties is unlimited and his stock in general is of the very best.

The meeting next Thursday of the St. Louis Florists' Club promises to be one of unusual interest. Sixty members are invited to the Shaw banquet in the evening.

The Wm. G. Smith Wholesale Floral Co. is doing an immense trade in cut flowers of local production. This firm is also very heavily stocked in Christmas goods.

Charlie Young and Wm. C. Smith will entertain R. Vincent, Jr., president of the S. A. F., during his visit next Thursday.

The Windler Wholesale Floral Co. is receiving a good supply of especially fine lily of the valley and roses.

Samuel Seligman, with Wertheimer Bros., New York, is with us. He is doing a rushing business.

Edw. L. Loyet has sold out to Julius Schaeffer, formerly with the Ayres Floral Co.

Fred Alves, manager at Geo. H. Angermueller's, has been serving on jury duty all week.

We regret to announce the death of Francis Fillmore, father of F. J. Fillmore. W. F.

Cleveland.

BUSINESS GOOD.

Business has been good and the demand seems to increase as Christmas approaches, and although flowers are not overplentiful the day's sales are steadily climbing owing to the large quantities of Christmas supplies, such as boxwood, immortelles, etc., being sold. American Beauties are at present as good as have ever been seen on this market and the demand keeps them pretty well cleaned up. Short roses are far short of the demand. Aaron Ward roses, calandula, orchids, sweet peas, etc., can only be supplied in limited quantities at present, but Christmas promises to see these flowers in sufficient supply to meet all demands. Carnations remain the same, good stock but scarce. Asparagus plumosus and sprengeri are shortening up in supply. Adiantum is plentiful. There are a few chrysanthemums still arriving such as Jeanne Nonin and Helen Frick and bring a fair price. Easter lilies still seem scarce. Callas, although more plentiful, are short of the demand. Paper White narcissus and stevia help in the absence of short roses and carnations. Violets are good in quality and the demand is all that can be desired. Careful and conservative retailers are ordering their supply of cut flowers now so as to be protected when there is a shortage in any particular flower.

The firemen and engineers' union is enforcing the law which requires li-

BARGAINS!--Look These Over!

ALL ORDERS PROMPTLY FILLED

Satin Toffeta, (any color) 10 yds. to bolt

No. 22 each 90c
 " 40 " \$1.05
 " 60 " 1.20
 " 80 " 1.35

Baby Ribbon, (any color) 50 yds. to spool:

No. 1 each 30c
 1 1/2 each 45c

"Holly" and "Poinsettia" Baby Ribbon, 50 yds. to spool:

No. 1 1/2 each 75c

"Bon Ton" Baby Ribbon, (any color) 250 yds to spool:

Per Spool, 75c

Red Immortelles, (perfect color)

Per Bunch, 35c

Crepe Paper, (for pot covers):

Water Proof—all colors. Per 100
 Pebbled Pleated " " " " " \$12.50
 Porto Rican Mats. " " " " " 14.00
 (25 at 100 rate)

Xmas Greens, (20 yds. to coil)

Per Coil, 75c

Chiffons, (any colors) about 40 yds. to bolt:

4 in. Satin Edge, per yd. 2 1/2c
 6 in. " " " 3 1/2c
 10 in. " " " 5c
 6 in. Silk Gauze, " " 4c

Velvet Poinsettias:

Large, brilliant red flower, stems 16 in. long, perfect color foliage. In fact a ready seller whenever shown.
 Price, per doz. \$1.50

Artificial Holly:

Six Sprays to a bunch—a dandy seller—everybody buys. Perfect color red berries, excellent foliage and just the thing for a ready-to-wear corsage.
 Small Size, \$1.35 per doz. bunches.
 Large Size, 2.40

Artificial Capes:

Red, Pink, Lavender or White, large. Flowers already wired. Very handy and convenient for ready use. Try a few.
 Price, per 100, 50c

Brown Galax Leaves, (fine stock):

Per 1000, \$1.00

Prepared Magnolia Leaves, (green or brown):

A No. 1 quality guaranteed to be best on the market.

(About 1000 leaves to box)

Prices—1 Box at \$1.75
 5 Boxes or more 1.65
 10 " " " " " 1.60
 25 " " " " " 1.50

GEO. H. ANGERMUELLER, Wholesale Florist
1324 Pine Street ST. LOUIS, MO.

censed firemen on all boilers, both day and night. This is a hard blow for the small grower who fires his own boilers, necessitating at least one licensed fireman at union wages, unless he wants to work 24 hours a day, which he cannot do and attend to his stock. The questions asked are such as really do not belong to greenhouse firing, and all answers have to be written out, which makes it harder. The greenhouse men are all practical firemen and perhaps there are some who cannot explain and answer questions on paper who could take a boiler apart and put it together again as good as new. There are two or three growers who did not pass the examinations and unless they study up and try again will be put to quite an expense. There were also a few of the growers arrested and compelled to pay fines from \$10.00 to \$25.00 for not having a license to fire boilers.

The Penn Square Floral Co. and the Hough Avenue Flower Shop were the victims last week of a short change artist. His methods are original. He orders about a dollar's worth of cut flowers to be sent to a certain number of some nearby street, and requests the store man to send a boy with change for a five or ten dollar bill. Then he meets the boy on the street, takes the flowers and the five or ten dollars in change and hands the boy an envelope supposed to contain the five or ten dollar bill, and requests the boy not to open until he gets back to the store as he may lose it. On opening the envelope the store man finds a piece of worthless paper. C. F. B.

Cincinnati.

WEEK'S BUSINESS ORDINARY.

Last week's market proved as a whole to be only ordinary. The start on Monday was splendid but after that day everything eased up very rapidly. The warm, bright weather brought in an extra heavy cut of flowers. The demand was not sufficient to maintain a good price. The supply of every seasonable flower is good with the exception of carnations. At present the supply of these is just about sufficient to take care of the

Sphagnum Moss

BURLAPPED

Fresh clean moss
 from new marsh,
 full sized bales.

Vaughan's Seed Store
 Chicago New York

Mention the American Florist when writing

SEND TEN CENTS
 FOR A SAMPLE OF THE
Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.
WM. H. GREVER, Manager
146 Hughes Avenue BUFFALO, N. Y.

Mention the American Florist when writing

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

86 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

Send Your Orders for Seasonable Flowers to

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

demand for them. The demand for Christmas decorative material is enormous and at present the wholesalers are kept very busy filling orders from both the local and the out-of-town florists.

SOCIETY BANQUET.

The banquet given by the local florists' society at the Bennet house was a very successful one. The attendance was good and every one was pleased. Richard Vincent, Jr.'s, talk on the International Flower Show, the Holland bulb fields and his own place at White Marsh, Md., was very interesting and was enjoyed by everyone. The only regret expressed was that the limited time did not allow Mr. Vincent to go as much into details as his listeners would have liked. During the evening the guests were entertained by songs by Miss McNally, Miss Weber and, with Miss Ida Peterson accompanying him on the piano, Frank Volz. President Gus Adrian of the Cincinnati Florists' Society welcomed the guests and introduced Chas. H. Hoffmeister who acted as toastmaster.

NOTES.

John Evans of Richmond, Ind., came down with Mr. and Mrs. Vincent for the banquet.

Visitors: Gus Reiniger, Dayton, O.; Frank Farney of M. Rice & Co., Philadelphia, Pa.

C. E. Critchell is finding a good call for red magnolia leaves for the Christmas trade.

Peter Weiland has now added valley from his own greenhouses to his offerings.

H.

Terre Haute, Ind.

BETTER THAN LAST YEAR.

The weather for the past two months has been glorious. All the merchants take a decidedly cheerful view of the situation and feel that the good business we have been enjoying for some time past will continue. The volume of business done Thanksgiving, as near as can be ascertained, was about one-fourth larger than last year. Chrysanthemums took the lead in demand. There was an ample supply of them, but medium prices prevailed. Carnations were practically out of the market with only a few to be had. Roses brought \$1 to \$1.50 a dozen, double violets \$2 a hundred. The call for pompons is on the wane and they went begging.

NOTES.

Fred Heinel has put on a new commercial auto for delivery. Their new place is looking fine. Part of the poinsettias are in bloom now but there will be plenty for Christmas. Edgar Webb has charge of the new place.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 11.	Per doz.
Roses, Beauty, specials.....	6 00
" " 36-in.....	5 00
" " 30-in.....	4 00
" " 24-in.....	3 00
" " 15-20-in.....	2 00
" " 12-in.....	1 00@ 1 50
" " Short.....	Per 100
" Killarney.....	8 00@12 00
" White Killarney.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Prince de Bulgarie.....	4 00@10 00
" Radiance.....	3 00@ 8 00
" Mrs. Aaron Ward.....	4 00@10 00
" My Maryland.....	3 00@ 8 00
" Melody.....	3 00@ 8 00
" Mrs. Jardine.....	3 00@ 8 00
" Lady Hillingdon.....	3 00@ 8 00
" Sunburst.....	4 00@10 00
Carnations.....	3 00@ 5 00
Cattleyas.....per doz.,	6 00@ 7 50
Chrysanthemums, doz.,	2 00@ 4 00
Pompons, bunch,	50¢ 75
Gardenias.....	3 00@4 00
Lilium Harrisii.....	12 50@15 00
Narcissus, Paper White.....	3 00@ 4 00
Orchids, Dendrobium, per doz.,	3 00@ 5 00
Stelia.....	1 50@ 2 00
Violets.....	1 00@ 1 50
Valley.....	3 00@ 4 00
Violets, Princess of Wales.....	1 00@ 1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00
Plumous Strings, each,	50¢ 60
Smilax.....per doz.,	1 50@2 00
Sprengerii, Plumous Sprays.....	3 00@ 4 00

Cowan Bros. & Co. have just completed a large two-story boiler room and packing house.

The Terre Haute Rose & Carnation Co. has as fine a range of carnations as any one could wish for. Their roses are also looking fine.

Oliver Steinkamp of Indianapolis spent last Monday with us. He gave us all an invitation to attend the meeting at W. W. Cole's place at Logansport.

N. B. S.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog



CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

BUY IN ST. LOUIS AND SAVE MONEY.

CUT FLOWERS

Roses, Carnations, Violets,
Valley, Sweet Peas, Etc.

SUPPLIES

Novelties of all Kinds

WIRE WORK

Of Every Description

WM. C. SMITH WHOLESALE FLORAL CO., All Phones. 1316 Pine Street, ST. LOUIS, MO.

Philadelphia.

PRICES ADVANCING.

Chrysanthemums are almost gone. There are still a few Bonnaffons and Rosetta and Jeanne Nonin is still seen in quantity. This week will about end them up. From all accounts the chrysanthemums have paid well, there being but one bad time, the second week in November, when the weather was too warm. Everything was in full supply last week except on Saturday, when the white roses shortened up and there was some disappointment. Prices are advancing, owing partly to better quality and to the rapidly nearing holidays. Roses have improved materially the past two weeks. This is noticeable more particularly with the newer yellow sorts which as the plants get stronger are throwing fine shoots. Some Sunburst brought \$25 a hundred last week and were quickly grabbed up at the price. Carnations are perhaps the scarcest thing in the market and are advancing rapidly in price. They are \$2.00 higher than two weeks ago. Violets have been scarce, particularly the singles. New York doubles are kept in stock by the commission men and make a welcome addition. Easter lilies are plentiful and are largely used by the stores in funeral work as other white flowers are so scarce. Stevia is now at its best and is a great favorite with flower buyers. Cattleyas and gardenias are in full supply but a constant demand keeps the market even, and the prices are good.

NOTES.

J. J. Habermehl's Sons had a very large decoration at the Bellevue-Stratford the past week. The large ball room was decorated very lavishly with palms, cibotium ferns and tall vases of Killarney roses. There were many artistic and odd features including fountains of water with spotlights to show them off. The ceiling represented the sky on which the clouds were seen passing along. This was done by means of traveling light effects. Canary and parrot cages were suspended among the foliage. The occasion was a dinner dance, and the floor was carpeted with grass mats at first, these being removed later with the dinner tables and left free for the dancers. It was one of the most elaborate affairs ever given at this celebrated hotel and was a great credit to the decorators.

Adolph Farenwald's talk at the Florists' Club's December meeting of his visit to the home of the Mrs. Charles Russel rose, the Waban Rose Conservatories, Natick, Mass., was very entertaining and instructive. Speaking as a practical rosarian Mr. Farenwald says the variety is all right and will likely be seen in quan-

Wholesale Flower Markets

PHILADELPHIA, Dec. 11.		Per 100
Roses, Beauty, extra.....	20 00@35 00	
" first.....	8 00@16 00	
" Brides and Maids.....	4 00@10 00	
" Killarney.....	3 00@10 00	
" White Killarney.....	3 00@10 00	
" Liberty.....	3 00@10 00	
Cattleyas.....	35 00@50 00	
Chrysanthemums, doz., 1 00@3 00		
Gardenias.....per doz., 1 00@2 00		
Lilium Harrisii.....	8 00@10 00	
Lily of the Valley.....	3 00@5 00	
Marguerites.....	75@1 00	
Snappdragons.....	3 00@6 00	
Sweet Peas.....	40@50	
Violets, single.....	50@1 00	
" double.....	75@1 00	
Adiantum.....	75@1 00	
Asparagus.....per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Dec. 11.		Per 100
Roses, Beauty, special.....	12 00@20 00	
" extra.....	6 00@10 00	
" No. 1.....	2 00@6 00	
" Killarney.....	2 00@6 00	
" My Maryland.....	2 00@6 00	
" Richmond.....	2 00@4 00	
Asters.....	1 00@4 00	
Cattleyas.....	50 00	
Chrysanthemums, doz., 2 00@3 00		
Gladioli.....	2 00@4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidiums.....	3 00@4 00	
Adiantum.....	1 00	
Asparagus Sprenger, per bunch, 35@40		
Sprays.....per bunch, 35@40		

MILWAUKEE, Dec. 11.		Per 100
Roses, Beauty, per doz., 1 00@5 00		
" White and Pink Killarney.....	3 00@10 00	
" Richmond.....	3 00@10 00	
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	3 00@12 00	
Carnations.....	4 00@6 00	
Lilium Giganteum.....per doz., 2 00		
Lily of the Valley.....	3 00@4 00	
Violets, Wisconsin grown.....	75@1 50	
Adiantum.....	1 50	
Asparagus.....per string, 50		
Sprenger, per bunch, 25@35		
Boxwood.....per bunch, 25		
Ferns, Fancy.....per 1000, 2 00		
Oak Sprays, prepared.....	1 00	
Wild Smilax, per case.....	\$5 00	

ity next season. The club's publicity committee is now going to see if their work is appreciated by asking florists for money to push the work. Kind words and sympathy are all right in the planning, but it takes money to deliver the goods. The committee reported that it hoped to get out a good window card for Valentine day. James D. Cockroft of Northport, N. Y., exhibited a vase of his new carnation Northport, a fine flower, at this meeting.

American Beauties were the feature at the Leo Niessen Co. market last week. They are handled by the thousand and considering the supply, the record made in handling them is a credit to the house. Lady Campbell violets are also a feature.

Godfrey Aschmann keeps express wagons at his place almost all

Winter Berries Imported Boxwood

Anything You Need in Supplies

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Phone: Olive or Central 1474

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

the time these days. Load after load is sent away daily. His Christmas business is exceeding his expectations.

At M. Rice & Co.'s busy supply house the factory force is taxed to the utmost to get their orders out. Everything for Christmas seems likely to be sold out by the end of next week.

The Hudson River violets, Marie Louise, seen at Edward Reid's Ransstead store last week, were topnotchers. They move off rapidly.

The plantmen are now up to their eyes in business. Poinsettias are very fine this season and are selling almost better than anything else.

The H. A. Dreer Co. filled one of its windows recently with Cocos Weddelliana. It made a handsome display.

Berger Brothers are right in it with their boxwood, which they handled by the drayload the past week.

K.

WHITE LILAC

You can depend on us at all times to fill your order for **Lilac**. There is no better stock grown than we can offer you.

RICHMOND

We will be strong on **Richmond** and the quality will be extra fine. Your customers will want **Red Roses**. We advise early ordering.

NEW BRONZE GALAX, per case, \$750.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

**EVERYTHING
SEASONABLE**

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Dec. 11.		Per 100
Roses, Beauty, special	35	00@40 00
" " fancy	25	00@35 00
" " extra	15	00@25 00
" " No. 1	10	00@15 00
" " No. 2	4	00@ 6 00
" Maid and Bride	3	00@ 6 00
" Pink Killarney	3	00@10 00
" White Killarney	3	00@10 00
" Richmond	3	00@12 00
" My Maryland	3	00@ 8 00
" Kaiserin	3	00@ 8 00
" Carnot	3	00@ 7 00
" Mrs. Taft	3	00@ 8 00
" Aaron Ward	6	00@10 00
Carnations	2	00@ 4 00
Chrysanthemums	6	00@20 00
Lilium Longiflorum	10	00@12 00
Lily of the Valley	3	00@ 4 00
Pink Japan Lily	3	00@ 4 00
Narcissus	2	50@ 3 00
Stevia		1 00
Swainsona	50	@ 1 00
Violets	75	@ 1 00
Adiantum Croweanum	75	@ 1 50
Asparagus, per bunch	35	@ 50
Asparagus, Sprenger	35	@ 50
Ferns, per 1000	\$2	00
Galax, per 1000	\$1	50
Smilax		15 00

BOSTON, Dec. 11.		Per 100
Roses, Beauty, best	20	00@40 00
" " medium	20	00@25 00
" " culls	6	00@ 8 00
" White and Pink Killarney	2	00@ 8 00
" " Extra	6	00@10 00
" Taft	4	00@12 00
" Cardinal	4	00@12 00
" Ward and Hillingdon	4	00@12 00
" Killarney and Richmond	2	00@ 8 00
" My Maryland	2	00@ 8 00
" Carnot	6	00@ 8 00
Carnations, select	2	00@ 4 00
Callas	8	00@12 00
Cattleyas	35	00@50 00
Chrysanthemums	8	00@16 00
Gardenias	20	00@25 00
Lilium Longiflorum	8	00@12 00
Lily of the Valley	2	00@ 4 00
Sweet Peas	50	@ 1 00
Smilax	12	00@16 00
Violets, single	75	@ 1 00
" double	50	@ 75

CINCINNATI, Dec. 11.		Per 100
Roses, Beauty	per doz.	1 00@ 5 00
" " Bride, Bridesmaid	2	00@ 8 00
" " Killarney	2	00@ 8 00
" " My Maryland	2	00@ 8 00
" " Perle	2	00@ 8 00
" " Richmond	2	00@ 8 00
" " Taft	2	00@ 8 00
Chrysanthemums, doz.	1 00@	3 00
Carnations	3	00@ 4 00
Callas		12 50
Lilium Giganteum		12 50
Lily of the Valley	3	00@ 4 00
Orchids	per doz.	6 00@ 7 50
Stevia	per bunch	25 @ 35
Sweet Peas		50 @ 1 50
Violets		1 00@ 1 25
" double		1 00@ 1 25
Adiantum		1 00@ 1 00
Asparagus Plumosus	per bunch	25
Asparagus Sprenger	per bunch	25

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street, : : BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Mention the American Florist when writing

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

St. Louis, Dec. 11.		Per 100
Roses, Beauty, long	per doz.	4 00
Roses, Beauty, medium	8	00@15 00
Roses, Beauty, short stems	3	00@ 6 00
" Killarney	3	00@ 6 00
" My Maryland	3	00@ 8 00
" White Killarney	4	00@ 8 00
Carnations	3	00@ 4 00
Easter Lilies	10	00@12 50
Lilium Rubrum	5	00@ 6 00
Valley		4 00
Asparagus Sprenger	2	00@ 3 00
Asparagus Plumosus, per bu.	35	@60
Ferns, New, Fancy		1 50

CAIRO, NEE.—Hans Broderson has erected a greenhouse for both flowers and vegetables. His is the first industry of the kind to start here.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

**Pittsburgh Cut Flower
Company**

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

TRADE SOMEWHAT SLOWER.

Although business has been fair during the past week it has not kept the pace set at Thanksgiving. One reason that has been advanced for the falling off is that the weather has been too fine and has caused many people to absent themselves from their city homes for country life and outdoor sports. Nevertheless, there has been considerable business brought about by weddings and the presenting of fair debutantes. There can be no fault found with the stock on the market, for it is of good quality and there is enough to supply all demands; prices have somewhat sagged, but it cannot be said that anything is selling at a very low price. The chrysanthemums, which it was thought were pretty well cleaned up by the Thanksgiving demand, were quite plentiful on December 7. If there is any stock in reserve it is practically certain to appear on a Saturday and the rule held good on the day mentioned. In the early morning market of the Cut Flower Exchange, there were quite a number of chrysanthemums and doubtless a few will keep straggling in till Christmas. Any fears of a Christmas scarcity seem groundless. The weather has been so springlike that the Christmas crop must be well advanced and could now scarcely receive a sufficient check to have much effect on the final results.

Monday, December 9.—The week opened with a touch of real winter. The supply of stock was light, prices being firm with a slight upward tendency. No one can predict what conditions will be at the end of the week.

NOTES.

One of the interesting events for the wholesale district is the approaching marriage of Miss Frieda Behrend and Paul Meconi, which will be solemnized at the Church of the Dominican Fathers, December 14. Mr. Meconi is well and favorably known as a wholesaler, his establishment being on the ground floor of the Coogan Building. Miss Behrend has for some time been his bookkeeper. The good wishes of their many friends go with them.

A feature of the wholesale district, just now, is the fine window display of pansies in 8-inch pans at J. K. Allen's store. Most of us associate the pansies with spring, but Chas. Hunt, of Staten Island, who grows these, has got us somewhat mixed in the calendar by the great quantities he has been sending to Mr. Allen this fall, and these old favorites sell well.

Louis Dupuy, the well-known plantsman of Whitestone, who is noted for his fine quality of ericas as well as all other staple plants, has his usual good stock for Christmas. In recent years he has taken up the culture of gardenias with success and has a constant supply on the floor of the New York Cut Flower Co., where his son looks after the selling.

Leking & Winnifield have opened a retail store in Hackensack, N. J., and Fred. Leking will be their buyer in the New York market. The store will be managed by Henry Weissman, a designer of note, who was for seventeen years with the Laegers on Seventh avenue. The plant growing industry will be continued as formerly with Mr. Winnifield in charge.

James McManus is now well settled in his fine new store, 105 West Twenty-eighth street, where he removed during the past week from 55 West Twenty-eighth street. He is now right in the "busy mart of trade," has as fine a store as there is in the wholesale district and all who know him will wish him the abundant success which he deserves.

Philip F. Kessler

Wholesale Florist

55 W. 26th St., N. Y. CITY

LILIES SMILAX ASPARAGUS CALLAS
SWEET PEAS FREESIAS

For Christmas.

The retail store of David Clarke's Sons was a very busy place on December 7. Being busy is not by any means unusual at this store, but on this day they may be said to have been rushed. More than one hundred bouquets for debutantes were made up and delivered, besides a large amount of other work.

There were many fine floral pieces at the funeral of Col. Archibald Gracie, which took place December 5. They were sent by survivors of the Titanic disaster. The terrible experience through which Col. Gracie passed at that time is fresh in the public mind, and was a contributing cause of his death.

One of the busy and handsome stores of upper Broadway is "Hartmann's Rosary," where John R. Hartmann and his capable and estimable wife with a force of assistants are constantly turning out fine work.

G. Myer, of Madison avenue and Fifty-eighth street, has been confined to his home for the past week by a severe attack of grip, but is now much improved and hopes to be back to business this week.

John J. Foley, who has been a retail florist on the Bowery for 25 years, has removed from 226 to 230 Bowery, corner of Prince street. Mr. Foley is a designer of merit and his new location is favorable for window displays.

Wm. Pankok has an exceptionally fine stock of azaleas and poinsettias. There are many noteworthy features in his range, none more so than the Pandanus veitchii.

The Kervan Co. is particularly busy these days in preparation for the holidays. Christmas green is just as necessary as Christmas flowers and they will have plenty of it.

Anton Schultheis, of College Point, had a great stock of plants when the season opened but they have been going fast. A feature of his range is the fine quality of lily of the valley.

A. F. F.

New York Florists' Club.

The regular monthly meeting of the New York Florists' Club was held in the Grand Opera House building on the night of December 4. President Manda in the chair. It was election night and there was a very large attendance. The following officers were elected: William H. Siebrecht, president; John Donaldson, vice-president; William C. Richards, treasurer; John Young, secretary; trustees to serve two years: Charles Weathered, John Miesen, Walter F. Sheridan. While good feeling prevailed the election of president aroused great interest. On the first ballot no candidate received a sufficient number of votes to elect

and a second ballot was ordered. At this juncture William Duckham, in a neat speech, retired from the contest. The second ballot, with William H. Siebrecht and Harry Bunyard as candidates resulted in the election of Mr. Siebrecht. In a clever speech, Mr. Bunyard moved to make the election unanimous. All the officers-elect were escorted to the platform and spoke briefly.

A record breaking number were proposed for membership as follows: A. N. Kinney, New York; Chas. Beekman, Elmhurst, N. Y.; Percy W. Richter, New York; Jas. McMullen, White-stone, N. Y.; C. Roselle, New York; Robt. T. Brown, Queens, N. Y.; Louis Paltre, Islip, N. Y.; Wm. McCollum, New York; Herbert Spavin, Mt. Kisco, N. Y.; Max Schling, New York; Chas. A. Atkins, Rutherford, N. J.; John Condon, Brooklyn; A. H. Bobbink, Rutherford, N. J.; George Bergeoin, Kingston, N. Y.; Emerson C. McFadden, Short Hills, N. J.; H. C. Strobell, Newark, N. J.; John Kenny, New York City; Richard E. Logan, Gloversville, N. Y., was proposed for life membership.

John B. Nugent, Jr., reported for the committee negotiating with steamship lines for more careful handling of flowers delivered at steamers. Among the suggestions of steamship officials was one that a special receipt be given for all flowers so delivered. Chas. Weathered for the entertainment committee of the International Flower Show, reported progress. The committee on awards reported as follows on stock shown at November meeting: Cottage Gardens Co., for Carnation Matchless, 91 points; Chas. H. Totty, for rose Mrs. Geo. Shawyer, 91-1-6 points; Scott Bros., Elmsford, N. Y., for carnation Wm. Eccles, a certificate of merit.

It was decided that the rose shown by J. J. Brozat, Bloomfield, N. J., was not identical with Mrs. E. Geo. Shawyer as had been claimed. Exhibits of the evening were a vase of the pink carnation Northport, by James D. Cockcroft, Northport, N. Y., which were very fine and much admired. Mr. Cockcroft also exhibited two cups awarded as sweepstake prizes by the Ohio State Horticultural Society. Traendly & Schenck exhibited the carnation Salmon Beauty, grown by T. E. Abrams, Blue Point, N. Y. A. N. Pierson, Inc., exhibited a fine vase of the rose Milady; Chas. H. Totty exhibited the rose Mrs. Geo. Shawyer; The Julius Roehrs Co. exhibited a vase of a new pink poinsettias. The house committee furnished the usual refreshments.

A. F. F.

CHICO, CALIF.—A three-day flower show will be held here in May and annually thereafter.

ALBANY CUT FLOWER EXCHANGE, Inc.

High Grade Stock for Christmas

American Beauties, Richmonds, Cardinals, Lily of the Valley
Gardenias, Daisies, Sweet Peas, Carnations All Colors
Evergreens of all kinds, Immortelles, Red Ruscus, Red
Cape Flowers, Laurel Wreaths and Roping

76 Maiden Lane : : ALBANY, N. Y.

PHILADELPHIA

NEW YORK

WASHINGTON



S. S. Pennock-Meehan Co.

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.



Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE \$3.00. POSTPAID.

American Florist Co., 440 S. Dearborn St., Chicago

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company

FRESH CUT EVERGREENS

and Mosses. Decorating Material for Florist
Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST

OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

MT. MORRIS, ILL.—The forty-sixth
annual convention of the Northern
Illinois Horticultural Society was held
here December 4-5.

KANSAS CITY, Mo.—The Missouri
Valley Horticultural Society held its
annual dinner at the Coates house No-
vember 16. The speakers were H. R.
Walmsley, L. A. Goodman and Asa
Chandler.

MILWAUKEE, WIS.—The Kellner Flor-
ist Co., of which August Kellner is
president, has bought property on
Humboldt avenue and Dousman street
for a consideration of \$8,500. Work
on the erection of greenhouses will be
started immediately.

VIOLETS

We ship only
first quality stock.
Place orders
early.

For Christmas

Direct from the Largest Grower

\$1.50 and \$2.00 per 100. Parties not known must send cash.
Telephone-Telegraph Connection.

J. VONDER LINDEN, Rhinebeck, N.Y.

Wholesale Flower Markets

NEW YORK, Dec. 11.	Per 100
Roses, Beauty, special.....	30 00@50 00
" " extra and fancy	25 00@30 00
" " No. 1 and No. 2.....	5 00@10 00
" " Bride, Bridesmaid special. 6 00@ 8 00	
" " extra and fancy.....	3 00@ 5 00
" " No. 1 and No. 2.....	1 00@ 3 00
" " Killarney, My Maryland..	8 00@10 00
" " extra and fancy 5 00@ 6 00	
" " No. 1 and No. 2 1 00@ 3 00	
" " Taft, Hillingdon, Aaron	
" " Ward.....	1 00@ 8 00
" " Richmond.....	50@10 00
" " Sunburst, special.....	6 00@10 00
Carnations.....	4 00@ 6 00
Cattleyas.....	50 00@60 00
Chrysanthemums.....	2 00@40 00
Gardenias.....	10 00@25 00
Lilies, Longiflorum and Harrisii..	8 00@10 00
Lily of the Valley.....	3 00@ 5 00
Narcissus, Paper White.....	2 00@ 3 00
Sweet Peas...per doz. bunches,	75@ 1 25
Violets.....	50@ 75
Adiantum Croweanum.....	15@ 50
Asparagus Plumosus...doz. bchs,	1 50@ 3 00
Smilax.....per doz. strings,	1 00@ 1 50

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 28th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax
Leaves, Leucothoe Sprays, Prin-
cess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway
and Sixth Avenue,

NEW YORK

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Rice's Record Christmas Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE & CO.

1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

PHILADELPHIA, PA.

1886

"Nothing can Improve on Nature."

1912



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA

EVERGREENS.

Arbor Vitae Clippings, 5 to 12 inches long, put
up in a neat case, net weight 100 pounds. Size of
case, 18 by 18 inches by 4 feet long: per case \$2.00.

White Pine Clippings, 5 to 12 inches long, put
up in a neat case, Net weight 160 pounds. Size of
case, 18 by 18 inches by 4 feet long. Per case \$2.00.

CHAS. F. UECKE, NEW LONDON, WIS.

EVERGREENS.

BOXWOOD, any quantity of fine quality,
per lb. \$0.10
FINE BERRIED HOLLY, per case 2.50
LOG MOSS, per lb. 0.02

Please send cash with all orders.

W. C. McMILLAN, R. No. 4, Cosby, Tenn.

Wichita, Kan.

CHRYSANTHEMUMS LEAD.

As usual Thanksgiving marked the
high spot in the month's business.
Weather conditions were good and the
volume of business was about as usual
for the occasion. Chrysanthemums led
in demand with some very fine stock
on the market. There was also a good
demand for American Beauties and
other roses, as well as carnations. The
weather for the month has been good
for the trade and much milder than
last season.

NOTES.

On November 5 a hail storm gave
the greenhouse men a bad half hour.
However, the heaviest part of the
storm was of narrow range and only
the greenhouses of Bixby & Co. and
Frank Cluff met with a loss, probably
less than 20 per cent.

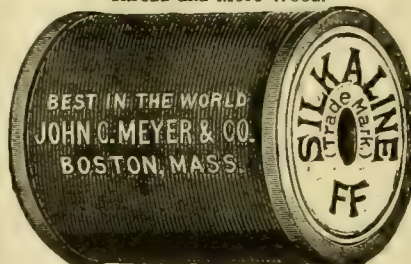
Chas. B. Mueller has added a motor-
ette to his delivery service. Mr. Muel-
ler has also put in a hundred and fifty
h. p. boiler for his heating plant.

During the storm of November 5 a
small "twister" blew quite a lot of

THE MEYER GREEN SILKALINE

Do not take any Fake Green Threadless
Thread and More Wood.

The BEST Thread on The Market
for FLORISTS and GROWERS.



Ask your jobber to supply you with this
Strong, Smooth Thread. For more than
a quarter of a century a Prime Favorite
with Growers and Florists.

Manufactured By

JOHN C. MEYER & CO.

THE LOWELL THREAD MILLS
LOWELL, MASS.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket..\$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....	50c per 1000, \$4.00 per case (10,000)
Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet MOSSES

E. A. BEAVEN, Evergreen, Ala.

Delaware Holly

Heavy-berried, solid-packed cases, delivered to
points east of the Mississippi River, \$4.00 per case,
14-in. Holly Wreaths, \$10.00 per 100.

Correspondence invited.

H. AUSTIN, Felton, Del.

Notice to Florists

LARGE and SMALL BUYERS

I have the finest stock of FANCY and DAGGER
FERNS that was ever shipped from the east.
\$1.00 per 1000; 5000 or over, 90c per 1000 for
the month of December.

Robert Groves, 127 Commercial St.
ADAMS, MASS.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON, Louisville, Ala.

glass from the lettuce houses of Ira
Blake, damaging the crop to some ex-
tent.

W. H. Culp & Co. are setting an ad-
ditional boiler in their heating plant.

Miss Ethel Wilhite, formerly in the
store of W. H. Culp & Co., has taken
a similar position with Chas. P. Muel-
ler. W. H. C.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

New Stock White Rock Mountain

Bronze Galax

3 and 5-inch.....40c per 1,000
Dagger Ferns.....60c
Rock Fern.....35c

Give me a trial order. Cash with order.

AARON BUCHANAN & CO.,

HAWK, Mitchell County, N. C.

WILD SMILAX

1 Case, 50 lbs., \$2.00; 6 Cases, \$11.00

Fresh Vine and Prompt Service.

F. & S. LEE

MARION, ALABAMA

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Give Your Customers A Square Deal

by sending your orders for Cincinnati to

HARDESTY & CO.

We have the best stock that grows and expert floral artists to arrange it.

HARDESTY & CO., ::

**150 EAST 41st AVENUE
CINCINNATI, OHIO**

MEMBERS FLORISTS' TELEGRAPH DELIVERY

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.

339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heidl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.



FROM NEW YORK EXCEPT AS NOTED.

December 16.

FROM PHILADELPHIA, Prinz Adalbert, Ham. Amer., 11 a. m.

December 17.

Mauretania, Cunard.
FROM BOSTON, Arabic, White Star, 3:30 p. m.
Noordam, Holland-America, 10 a. m.

December 18.

Finland, Red Star, 10 a. m., Pier 61, North River.
FROM BALTIMORE, Brandenburg, North Ger. Lloyd, 2 p. m.
FROM ST. JOHN, Cassandra, Donaldson.

December 19.

France, French, 10 a. m., Pier 57, North River.
Baltic, White Star, 12 noon.
Campanello, Uranium.
Barbarossa, North Ger. Lloyd, 10 a. m., Bremen Piers.

December 20.

FROM ST. JOHN, Virginian, Allan.
Maracas, Trinidad.
Kiota, Norton.

December 21.

FROM HALIFAX, Virginian, Allan.
Columbia, Anchor, Pier 64, North River.
Perugia, Anchor, Pier 64, North River.
FROM BOSTON, Carpathia.
Florida, French, 3 p. m., Pier 57, North River.
Philadelphia, American, 9:30 a. m., Pier 62, North River.
FROM PHILADELPHIA, Merion, American, 10 a. m.
Philadelphia, White Star, 9:30 a. m.
FROM PORTLAND, Canada, White Star-Dom., 10 a. m.
Pennsylvania, Ham.-Amer., 3 p. m.
Esperanza de Larrinaga, Barber.
Tagus, Royal Mail.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamship or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL.
Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

**GEO. H. COOKE
FLORIST**

Connecticut Avenue and L Street

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

WASHINGTON, 14th and G. Sts.

Established 1855

NEW YORK, 1153 Broadway and The Waldorf-Astoria

J. H. SMALL & SONS

ARTISTIC FLORAL DECORATIONS

Orchids, Roses, Violets

New York.

Established 1874.**DARDS**N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

**W. J. Palmer & Son,
304 Main Street.**

Members Florists' Telegraph Association.

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**Member of Florists' Telegraph
Delivery Ass'n.**37-43 BROMFIELD STREET**

Omaha, Neb.

Hess & Swoboda**FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and L 1582

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.
623 Walnut St., Des Moines, Ia.
Largest and most centrally located store in the
city. All orders given prompt attention.

New York

**William P. Sears
FLORIST**

729 Sixth Avenue

Telephone Bryant 739

Mention the American Florist when writing

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave. Will fill all orders for Cut
Kansas City and Flowers, Funeral Designs,
Pleasant Hill, Mo. Wedding and Birthday Gift,
that may be entrusted to them

Colorado Springs, Colo.

FRANK F. CRUMP,

Wholesale and Retail Florist.

Member Florists' Telegraph Delivery Association

Mention the American Florist when writing

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.**High Grade Cut Blooms.**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing**WASHINGTON****D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
scutellaries, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**Name Index to Retail Florists
Filling Telegraph Orders.**

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L. Washington.
Crump, Frank, Colorado Springs, Colo.
Curry, John, New York.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Freeman, Mrs. J. D., Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hardesty & Co., Cincinnati, O.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Hayward Floral Co., Los Angeles, Calif.
Heal & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
Hildenbrand, Geo., New York.
John Bader Co., N. S. Pittsburg.
Hartmann Rosary, New York.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Kammann & Crowley, New York.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Meyer, A., New York.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Pelicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chi-
cago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Sears, Wm. P., New York.
Shaffer, Geo. C., Washington.
Small & Sons, J. H., Washington, D. C.
Small & Sons, J. H., Washington, D. C.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Tryforos Bros., New York.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Wisconsin Floral Co., Milwaukee, Wis.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chi-
cago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los An-
geles, Calif.
Young & Nugent, New York.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

**O. C. SAAKES
FLORIST,**

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYLES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best Dunlop's
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist

912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 809-811 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

New York

Tryforos Bros.

THE HARLEM FLORISTS

ROSES - VIOLETS

Decorations for Weddings,
Funerals, Etc.

56½ E. 125th Street

3 Doors East of Mad. Ave. Tel. 814 Harlem

Branch at

489 Willis Avenue

Phone 335 Melrose

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

New York

A. MEYER
Floral Decorator

Orchids Gardenias Violets

Personal attention given. Satisfaction guaranteed.

1064 Madison Avenue

Near 80th St.

Tel. Lenox 2352

New York

John Curry

FLORIST

1118 Lexington Ave.

S. W. Cor. 78th St. Telephone, 6553 Lenox

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Milwaukee, Wis.

The Wisconsin Floral Co.

122 Grand Avenue,

Will take care of your orders from

WISCONSIN and NORTHERN STATES.

Los Angeles, Cal.

The Hayward Floral Co.

H. REEVE DARLING, PROP.

216 W. Sixth Street.

Artistic Designing
and Decorating.

PHONES Home F 2251
Main 1466

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

..... 634 Fourth Avenue.

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi,
Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Florists' Telegraph Delivery

(Retailers' Section — S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

List of Members

Albany, N. Y., 40 Maiden Lane,
Atlantic City, N. J., 1505 Pacific Ave.,
Bloomington, Ill., 318 N. Main St.
Boston, Mass., 342 Boylston St.,
Boston, Mass., 43 Bromfield St.,
Buffalo, N. Y., 304 Main St.,
Chicago, Ill., 2223 W. Madison St.,
Chicago, Ill., 31st and Michigan Ave.,
Chicago, Ill., 22 E. Elm St.
Cincinnati, O., 138 E. 4th St.
Cincinnati, O., 150 E. 4th St.
Cleveland, O., 5523 Euclid Ave.
Cleveland, O., 1836 W. 26th St.,
Cleveland, O., 1284 and 1308 Euclid Ave.

Colorado Springs, Colo.
Council Bluffs, Ia., 321 Broadway
Danville, Ill.
Dayton, O., 112 S. Main St.
Denver, Colo., 1643 Broadway
Detroit, Mich., 153 Bates St.
Detroit, Mich., Gratiot Ave. and Broadway,
Fayetteville, Ark., 18 W. Center St.

Galesburg, Ill.
Hartford, Conn.
Indianapolis, Ind., 241 Massachusetts Av.,
Joliet, Ill., Hobbs Bldg.
Kalamazoo, Mich., 141 S. Burdick St.
Kansas City, Mo., 913 Grand Ave.
Kansas City, Mo., 1116 Walnut St.
London, Ont., Canada.
Louisville, Ky., Masonic Temple,
Louisville, Ky., 550 S. Fourth Ave.
Mankato, Minn.
Montgomery, Ala., 118 Dexter Ave.

Danker, Fred A.
Berke, Geo. H.
Washburn, A. & Sons
Carbone, Philip L.
Penn, Henry
Palmer, W. J. & Son
Schiller, The Florist
Smyth, W. J.
Wienhoeber Co., Ernst
Baer, Julius
Hardesty, T. W. & Co.
Graham, A. & Son
Knoble Bros.

The Jones Russell Co.
Crump, Frank F.
Wilcox, J. F. & Son
Smith, F. B. & Sons
Heiss Company
Park Floral Co.
Bemb Floral Co., The L.
Breitmeyer's Sons, John

The Southwestern Seed Co.
Pillsbury, I. L.
Coombs, John F.
Bertermann Bros. Co.
Labo Joseph
Von Bochove & Bros.
Murray, Samuel
Rock, W. L. Flower Co.
J. Gammage & Sons
Banmer, August R.
Schulz, Jacob
Windmiller Co., The
Rosemont Gardens

Mt. Vernon, N. Y., Columbia Ave.
New Castle, Pa., N. Mercer St.,
Newark, O.
New London, Conn.
New York, N. Y., Madison Ave. and 44th St.
New York, N. Y., 427 Fifth Ave.
New York, N. Y., 1153 Broadway
Northampton, Mass.
Norwich, Conn.
Oklahoma City, Okla.
Parkersburg, W. Va.
Paterson, N. J.
Philadelphia, Pa., 1514 Chestnut St.
Pittsburg, Pa., 5926 Penn Ave.
Portland, Ore., 133 Sixth St.
Poughkeepsie, N. Y.
Rochester, N. Y., 25 Clinton Ave.
Rockford, Ill.
Scranton, Pa.
Seattle, Wash., 1534 Second Ave.
Sioux City, Ia., 405 Douglas St.
Spokane, Wash., 11 Post St.
Springfield, Mass., 378 Main St.
St. Joseph, Mo.
St. Louis, Mo., 7th and Washington Ave.,
St. Louis, Mo., 7041 Florissant Ave.
St. Paul, Minn., 24 W. 5th St.
Terre Haute, Ind., 139 S. 7th St.
Toledo, O., 336 Superior
Toledo, O., 2941 Cherry St.
Topeka, Kas., 112 W. 8th Street,
Washington, D. C., 1214 F St. N. W.
Washington, D. C., 14th and G St.
Wheeling, W. Va.
Wichita, Kans., 145 N. Main St.
Zanesville, O., 54 N. 5th St.

Dummett, Arthur
Butz Bros.
Duerr, Chas. A.
"Reuters"
Dards, Chas. A.
Siebrecht & Son
Small, J. H. & Sons
Field, H. W.
"Reuters"
Stiles Co., The
Dudley & Sons, J. W.
Sceery, Edward
Pennock Bros.
Randolph & McClements
Tonseth Floral Co.
The Saltford Flower Shop
Keller & Sons
Buckbee, H. W.
Clark, G. R.
Hollywood Gardens
Rocklin & Lehman
Hoyt Bros. Co.
Aitken, Mark
Stuppy Floral Co.
Grimm & Gorly
Meinhardt, Fred. A.
Holm & Olson
Heinl, John G. & Son
Freeman, Mrs. J. B.
Mrs. E. Suder
Mrs. Lord's Flower Room
Gude Bros. Co.
Small, J. H. & Sons
Arthur Langhans
Mueller, Chas. P.
John D. Imlay

500 Members in 1915. Help Get Them.

When Can we add your name on this list?

New York

Hartmann's
Rosary

Artistic Decorations
2654 BROADWAY
Near 101st Street
Telephone Riverside 8730

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

New York

Geo. Hildenbrand

(The Washington Heights Florist)

FLORAL DECORATIONS

3423 Broadway

Bet. 139th & 140th Sts. Phone Audobon 3529

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

New York.

Newport, R. I.

Kammann & Crowley

FLORISTS,

31 West 58th Street.

Telephone Plaza 1866.

BRANCH: THE VANDERBILT HOTEL.

Summer Season: Newport, R. I.

Floral Decorations for All Occasion.

Telegraph your orders for Cut Flowers
or Plants. We deliver promptly to all
steamers leaving or arriving at New York

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

CALIFORNIA contract seed growers are complaining of competition.

MACON, GA.—H. Wright, seedsman here, is critically ill of typhoid fever.

MILLET seed is reported a big crop in the west; prices are low and winter storage costs affect prices materially.

I. N. SIMON & SONS, Philadelphia, Pa., have their market gardeners' wholesale price list for 1913 in the mails.

JAPANESE and Portugese laborers are now getting \$1.50 per day on the California seed ranches; drivers get \$2 per day.

MINNEAPOLIS, MINN.—J. E. Northrup and daughters left on December 4 for a winter trip to Jamaica, via New York.

VISITED CHICAGO: W. J. Fosgate, Santa Clara, Calif.; L. W. Wheeler, of the Pieters-Wheeler Seed Co., Palo Alto, Calif.

IT is understood that some of the large middle west canning concerns are growing seed peas under contract in Montana.

ST. JOHN, N. B.—The Canadian government will make a free distribution of grain seeds and potatoes this winter and spring.

THE Holland bulb salesmen are out and about, the representative of John Van Leeuwen, Sassenheim, being in the first detachment.

NOTABLY low prices prevail at present on many forage crop seeds, millet, choice, being quoted as low as \$1.65 per 100 pounds; kafir corn, 95 cents; cane seed around \$1.50.

MILWAUKEE, WIS.—S. G. Courteen's new seed warehouse and elevator is nearing completion. The building is fireproof and modern in every respect and is eight stories high.

SODUS, N. Y.—Geo. N. Negus has completed his seed shipments for the season, amounting to 23,000 pounds of beet seed, 1,000 pounds of carrot and 1,500 bushels of sweet corn.

A LEADING American grower of gladiolus says the 25 per cent duty on Gandavensis types should be restored; fifty cents per 1,000, the present duty, he says is much too low.

THE California seed growing district is so far without autumn rain. New lands which were broken up lumpy need the rain to slack the lumps. Land already in good tilth can be worked fairly well without the early rains.

SECRETARY WILSON, of the Department of Agriculture, is authority for the statement that "When the Panama canal is open for business our bulbs and beet seed will come from the Pacific coast." [The secretary is a great little seedsman.—Ed.]

CHICAGO.—Prices on the Board of Trade, December 11, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100 pounds.—There will be a meeting of the local onion set dealers at the Sherman House Thursday, December 12, at 6 p. m.—The W. W. Barnard Co. are working day and night forces this week, shipping holly, bouquet green and other Christmas specialties.—J. C. Leonard, of the Leonard Seed Co., who attended the canners' convention at Milwaukee last week, reports a good attendance and a bright outlook for the canners next season.—Vaughan's Seed Store have moved many of their sphagnum contract orders during the past 10 days.

The Pieters-Wheeler Seed Co.

Lin. W. Wheeler, of the Pieters-Wheeler Seed Co., of Palo Alto, Calif., is now on his eastern trip. This company now controls a large tract of the Leland-Stanford, Jr., University land. The soil is comparatively unworked so far as the seed industry is concerned. Removal from Hollister to the above locality was made November 1, ten carloads moved by rail and ten teams and wagons overland.

Holly and Bouquet Green.

Chicago, December 11.—Holly is coming along in fairly good supply. The produce commission dealers on South Water street are offering at \$3 per case, stock from North Carolina and Virginia. The seedsmen

who handle fancy Tennessee and Delaware stock are asking usual prices, claiming that well packed, well berried small leaved holly can not be supplied on a commission basis.

Bouquet green remains in oversupply both in bulk and in wreathing; more seasonable winter weather would or should improve the demand for all greens.

Boxwood is scarce and in good demand.

Common and Hardy Vetches.

An interesting bulletin on vetches, with a description of the seeds of the hairy and common kinds and notes on the growing of both varieties, has been issued by the United States Department of Agriculture. "The seeds of common vetch," according to the bulletin, "are somewhat flattened and grayish in most forms. Those of the hairy vetch are smaller, globular and black. Common vetch, even the winter strain, will not ordinarily withstand more cold than 15° above zero Fahrenheit, while hairy vetch is very hardy. Common vetch requires fairly good soil to succeed, while hairy vetch is less particular and grows well in poor, especially sandy, land. Common vetch will not grow in alkali soil nor is it drought resistant, while hairy vetch will stand considerable alkali and much drought."

Peas and Beans

GROWERS

Importers and Exporters

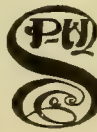
Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

J. W. EDMUNDSON,
Manager.

M. W. WILLIAMS
Secretary.

CALIFORNIA SEED GROWERS ASSOCIATION, Inc.

Growers for Wholesale Dealers,

SAN JOSE,

CALIFORNIA.

CARROT, LETTUCE, ONION, RADISH, BEET,

Parsley, Parsnip, Salsify, Sweet Peas,

Mustard, Celery, Endive.

Seeds Shipped in SEALED BAGS from Growing Station.

—CONTRACT PRICES FOR CROP OF 1913 NOW READY—



Klondyke White Spine.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska****ONION SEEDS---ONION SETS.**

We are Extensive Growers and Dealers

Write for prices on the 1912 crop. We are also
submitting contract figures for the 1913
crop of Onion Seed.**SCHILDER BROS., CHILLICOTHE, O.***Mention the American Florist when writing***For Fall Planting**Lilium Tenuifolium, Hansoni, Davuri-
cum, Henryi, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, Ger-
man and Japan Iris. Fall list ready.**E. S. MILLER, Wading River, N. Y.***Mention the American Florist when writing***TOMATO SEED**

Best Stocks. All Varieties.

THE HAVEN SEED CO.Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

—FOR—

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston. England**The Early Advertisement
Gets There.**

VALLEY VALLEY

It pays to grow Bruns' early forcing Valley (new crop)

\$15.00 per 1000 \$8.00 per 500 \$4.25 per 250

Cold Storage, \$16.00 per 1000, \$1.80 per 100.

Bruns' Celebrated Chicago Market \$18.00 per 1000, \$2.00 per 100.

N. H. BRUNS, 3032-42 W. Madison St., CHICAGO**BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**
226-230 W. KINZIE STREET, CHICAGO**ONION SETS****GROWERS FOR THE TRADE**
Write for Prices.*Mention the American Florist when writing***FOREIGN CUSTOMERS TAKE NOTICE!**We still have a surplus in our special leading varieties of SWEET
PEA SEED; no advance until January 1st. Also money making
varieties Radish and Lettuce. **WRITE FOR PRICES.****S. BRYSON AYRES, Specialist, Independence, Mo., U.S.A.**

CHOICE

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion
Seed**, delivery next fall, grown by T. M. Reid,
Port Orotova, Teneriffe.**CHRIS. REUTER, New Orleans, La.****R. & M. GODINEAU,
SEED GROWERS,****Angers - France.**Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

PANSY SEEDGiant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.**S. S. SKIDELSKY & CO.,**
1215 Betz Building, PHILADELPHIA, PA.**Henry Fish Seed Co.
Bean Growers**

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.**Thorburn's Seeds**Florists will be interested in our
unusually comprehensive selec-
tion of high class seeds this year.Wholesale Price List
Ready in January.**J. M. THORBURN & CO.**
110 years in business in New York City
33 Barclay Street - New York**Lawn Grass Seed**

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

GET IT FROM

Oklahoma Seed Growers Co.1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.**Seed Packets.**Write for Samples
and Prices.**THE BROWN BAG FILLING MACHINE CO.,**
FITCHBURG, MASS.

Gladiolus

Healthy and strong bulbs

For Forcing

First Size, 40 per cent 2-inch and over. per 1000

Augusta - \$16.00

Mrs. Francis King 17.50

America - 25.00

250 at 1000 rate.

F. F. SCHEEL

Shermerville, Ill.

CARNATIONS CANNAS GLADIOLI

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Mention the American Florist when writing

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Mention the American Florist when writing

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Mention the American Florist when writing

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Melon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

Japanese Lilies

Spec. Album, 9 in.-11 in. per 100..\$13.00
" Rubrum, 9 in.-11 in. per 100.. 9.00
" Melpomene, 9 in.-11 in. per 100.. 9.50
Tuberose, Double, pearl, 4 in-6 in., \$8.00 per 1000.

WEEBER & DON Seed Merchants and Growers.

114 Chambers Street, NEW YORK, N. Y.

Gold Storage LILY OF THE VALLEY FOR DECEMBER AND JANUARY FORCING.

New crop should never be used for December or January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for December and January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Narcissus Paper White Grandiflora

We can still supply a splendid lot of these bulbs in perfect condition. Bulbs have been held in cold storage, so that they are perfectly dormant. We offer two grades—13 c-m bulbs, 1,250 to the case, and 14 c-m bulbs, 1,000 to the case—which we will supply as long as unsold at \$10.00 per case in case lots.

Spirea.

Gladstone. Fine clumps. Case lot of 100 at \$8.00 per case.

Queen Alexandra. Fine clumps. Case lot of 100 at \$11.00 per case.

Lilium Giganteum and Multiflorum.

Giganteum. 7-9 inch bulbs, case of 200 at \$16.50 per case.

Multiflorum. 9-10 inch bulbs, case of 200 at \$17.00 per case.

Fine Named Hyacinths.

We have left a few thousand bulbs in the finest named commercial sorts—Gigantea, La Grandesse, L'Innocence, La Peyrouse, Grand Maitre, King of the Blues, etc. \$4.00 per 100.

Hyacinths. Separate Colors—red, white, blue. \$2.50 per 100.

Gladiolus Peach Blossom. \$9.00 per 1,000.

Freesias. French, mammoth bulbs. \$6 per 1,000. Purity, \$10 per 1,000.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, NEW YORK.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$8.50	Spiraea Superba.....	\$ 6.00
Spiraea Florabunda.....	5.00	Spiraea Queen Alexandra....	10.00

GLADIOLUS FORCING STOCK.

Blushing Bride and The Bride.....	60c per 100, \$ 5.00 per 1000
Peachblow, delicate pink.....	\$1.00 per 100, 9.00 per 1000
America.....	3.50 per 100, 20.00 per 1000
Mrs. Francis King.....	2.00 per 100, 18.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio

SUNBURST

Extra Choice Young Plants own root in 2½-in. pots.
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100—Ready January 1st.

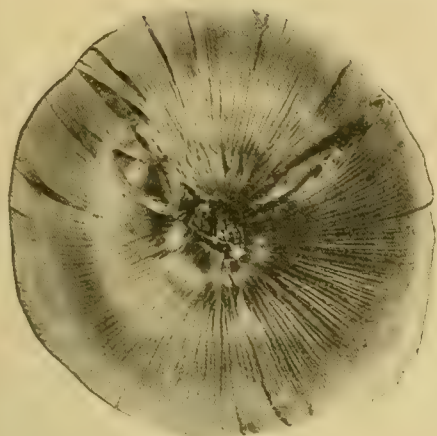
BASSETT & WASHBURN

Office, 131 No. Wabash Ave.
CHICAGO

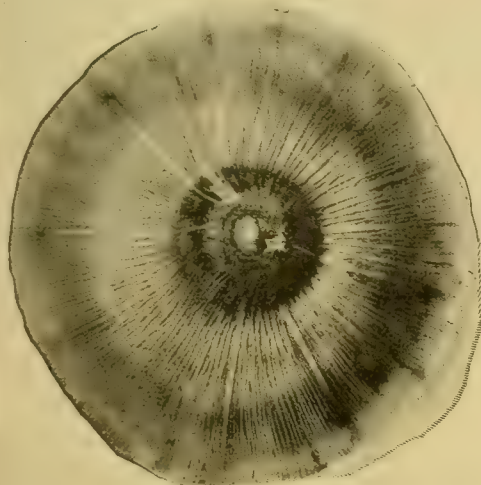
Greenhouses,
HINSDALE, ILL.

The Early Advertisement Gets There

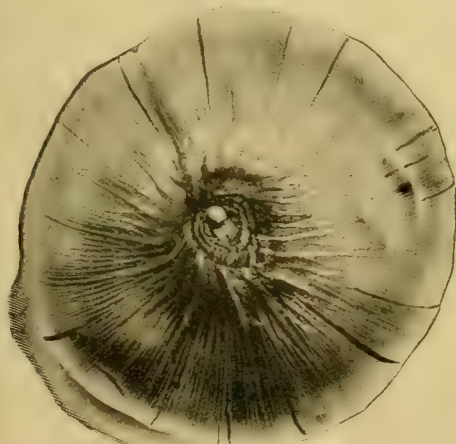
We are Growers of Gladiolus Bulbs



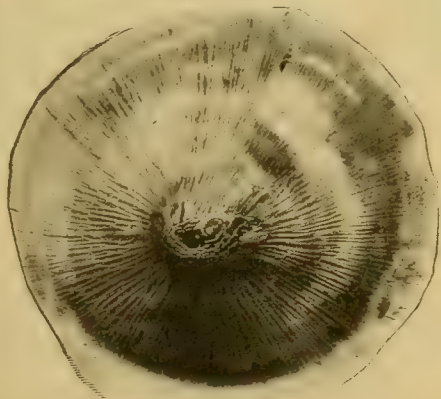
MRS. FRANCIS KING.



AUGUSTA



CHICAGO WHITE



AMERICA

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

	Per 1000
Mrs. Francis King, First Size	\$18.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ Medium Size.....	13.00
America, First Size	25.00
“ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices before placing orders for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready

Special Lists of Novelties
can be made up on request.

VAUGHAN'S SEED STORE
CHICAGO **NEW YORK**

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES,**Natick, Mass.****Fine Stock Plants****Asparagus Plumosus and Asparagus Sprengeri**

From 2¼-in. pots,
\$3.00 per 100; \$25.00 per 1000.

Smilax

From 2¼-in. pots, \$2.00 per 100.

Single Bedding Hyacinths

White, Red and Blue,
\$1.60 per 100; \$15.00 per 1000.

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,
ROCHESTER, N. Y., The Flower City.

Blooming Plants for Christmas

We have the following in blooming plants to offer:

Azaleas, all colors; Poinsettias, very fine; Cyclamen; Primroses, Chinese and Obconica; Begonias, Luminosa, bright red, Gloire de Lorraine; Celestial Peppers in ripe fruit; Jerusalem Cherries.

In decorative plants and greens we have; Ferns, all kinds and sizes; Araucarias; Dracaenas; Pandanus; Palms, etc.

WRITE FOR OUR DIFFERENT PRICES.

Wreaths: Holly Bouquet Green; Green Moss Wreaths with Cape flowers; Magnolia, plain and with Ruscus and Statice, Boxwood, Ruscus and Oak Leaves.

Green Roping and Blankets for Cemetery Decorations. Send for our complete list.

Geo. A. Kuhl,
PEKIN, ILL.

ROSES
T h i n g s

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

GLADIOLUS FOR FORCING

Specially graded for Florist Forcing, for delivery during November and December.

	Per 100	Per 1000
America, pink.....	\$3.50	\$30.00
Augusta, white.....	2.25	18.00
Mrs. Francis King, scarlet.....	2.75	22.50
Taconic, pink.....	4.50	40.00
Blushing Bride, white, pink blotch.....	.75	6.00

SPIRAEA STRONG CLUMPS, WITH PLUMP EYES

	Per doz.	Per 100
Floribunda.....	\$1.00	\$7.00
Gladstone.....	1.25	9.00

A. HENDERSON & CO.
352 N. Michigan Ave. Phone Randolph 2571 CHICAGO

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract prices for 1913, stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Franzen's Seeds Sure to Grow

Primula Chinensis, fine mixture, 100 seeds, 50c.
Cyclamen, giant strain, fine mixture of colors, 1000 seeds, \$3.50. **Cineraria Hybrida Grandiflora**, fine mixture, 100 seeds, 60c. **Stock**, Ten Weeks Double, fine mixture, oz., \$1.50. **Pansy**, giant strain, mixed, oz., \$1.25. **Pansy**, superfine, very large, mixed, oz., \$2.00. **Pansy**, superfine, very large, in separate colors, oz., \$2.50. **Lettuce**, Grand Rapids, per lb., \$1.00. **Radish**, Scarlet Globe, per lb., 75c.

F. O. FRANZEN, 1476 Summerdale Ave., Chicago

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds
Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacts (new), to take the place of
Whitman. A better commercial fern; 2½-in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Prepare for Christmas.

Be Successful This Christmas. Don't be defeated in buying elsewhere. **Important.**—While other firms kept shady during the summer and fall seasons, Godfrey Aschmann looked forward by keeping on advertising at the rate of \$300 to \$400 per month. Why? For the simple reason of clearing the path for himself for the holiday season. There are signs of a big demand for **Christmas Plants.** We were not slow in raising an immense stock of **Christmas Novelties, Godfrey Aschmann's quality** such as described below, **now in prime condition for the holidays for immediate shipment:**



A House Full of Begonia Gloire de Lorraine. Just Like Cut. Who Can Beat That?

AZALEAS.

Azaleas for Christmas Blooming are all showing color now, and are stored away in cold houses, and will be just right for Christmas. We have the best early double pink varieties. The so well-known and admired **Mme. Petrick**, loaded with buds and flowers, as round as an apple, only large sizes left, \$1.25 \$1.50, \$1.75 to \$2.00. **Vervaeana**, best double variegated rose, 75c. \$1.00, \$1.25, \$1.50 to \$2.00. **Simon Mardner**, double pink, \$1.00, \$1.25 to \$1.50. **Pharilda Mathilda**, white, with rose stripes, double, very attractive, one of the newest novelties, full of buds and flowers, \$1.00, \$1.25 to \$1.50. **Deutsche Perle**, double white, \$1.00, \$1.25, \$1.50 to \$2.00.

For Easter Blooming and for Easter we have the well-known American varieties, such as **Mme. Van der Cruyssen**, best pink; **Paul Weber**, **De Schryveriana**, **John Llewellyn**, **Niobe** (white), **Apollo** (red), and a few more good sorts. F. S.—The Christmas varieties can be kept for Easter forcing without trouble. Price: 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

FERNS. Our Ferns Are All Pot-Grown.

The growing of **Nephrolepis** for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, **sweet air.** Old, dark houses bring fungus and make spindly plants.

Neph. Giatrasii. This is a new fern, very graceful of weeping habit, short and bushy, very much admired by every one who has bought it 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5 1/2 to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5 1/2 to 6-in., 40c to 50c; 7-in., 75c.

Boston, 7-in., as big as a washtub, \$1.00, worth \$1.50; 7-in., medium size, 75c; 5 1/2 to 6-in., 40c to 50c; 5-in. 35c; 4-in., 20c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 7-in., as big as a bushel basket, \$1.00; 7-in., medium size, 75c; 6-in., 50c; 4-in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, 5 in., 25c.

Cyr. Falcatum or **Holly Fern**, Everybody looks for Holly Ferns at Christmas. We have large 4-in., 20c to 25c.

6-in. pans (azalea pots), made up of 3 large **Boston Ferns**, now very bushy, 35c, 40c to 50c per pan. We have a big assortment of 2 1/2-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. pans made up of 3-in. **Wilsoni Ferns**, very attractive, would sell like hot cakes for 75c. Look! only 25c per pan for three big plants.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/4-in., \$3.00 per 100; 5 1/2-in., made up of three 4 in., 15 in. high six weeks ago, 35c to 40c.

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100.

Ficus Elastica, Belgium or American stock, 5 1/2-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Begonia Gloire de Lorraine

We have a house full and wish to sell them.

This is another great specialty of ours. We have grown them very extensively for the past twenty years. Our special treatment makes the flowers very bright. We have the **Bright Red** and the **Pink Lonsdale**. Have a houseful. Now ready, in bloom for Christmas. 6-in. pots, 50c, 60c, 75c to \$1.00; 3-in. pots, 12c to 15c; 5 1/2 to 6-in. pots, 40c, 50c, 60c, 75c. We are always short of **Begonia Gloire de Lorraine**. Please order in time. But then our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4-in., 15c to 20c.

We also have the finest **Begonia Glory of Cincinnati**, in bloom. 5 1/2 to 6-in. pots, 50c, 60c, 75c, \$1.00 to \$1.50; 4-in. pots, 35c to 40c.

Begonia Argentina Cristata, 4-in., 20c. ☐

Now is the time to force **Hydrangea Otaksa**, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5 1/2-6-7-in. pots, 25c-35c-50c. ☐

Primula Obconica Grandiflora, good strain, assorted, 4-in., in bloom, 15c; no flowers, 10c. Very bushy plants. 5 1/4-in., in bloom, \$3.00 per doz.; no flowers, 20c.

Primula Chinensis, John F. Rupp strain, in bloom, assorted, 5 1/4-in., only \$2.50 per doz.

Jerusalem Cherries (*Solanum*), 6-in., 25c, 35c, 50c; well berried, big plants only.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100.

Daisies, Sanderi, pure white, everlasting bloomer, very valuable for cut flowers, 2 1/2-in., \$5 per 100.

Poinsettias, 4-in., 20c to 25c; 5 1/4-in., 35c to 40c.

Dracaena Terminalis, 7-in. pots, combination, 3 to 4 plants in a pot, well colored up, **Asparagus Sprengeri** or **Ferns** around; very fine; only \$1.00, worth double the amount.



An **Araucaria Excelsa** from Belgium, when trimmed for the Christmas table or for the parlor, is a substitute for a Christmas tree that has no equal. Always green, makes no dirt, never drops its foliage, and can be kept in the parlor as an ornamental plant for years. Can also be used for the next Christmas.

Araucarias Our Specialty.

6,000 at hand, all sizes.

Christmas trees are scarce this year. I know of a good substitute. Just look at the picture! Doesn't it look nice? It is an **Araucaria Excelsa** in Christmas attire, imported from Belgium, taken out of Godfrey Aschmann's **Araucaria House**—a beauty. It is a much better keeper than palms or any other plant. We are well prepared: have many thousands of them, the choicest stock Bel-

gium could furnish us, and will be able to supply all wants in all sizes and prices. 5, 5 1/2, 6 and 7 in. pots, 3, 4, 5, 6 and 7 tiers, 12-14-16-18-20-25-30-40-50 in. high. Prices reduced one half. 40c, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Please state if in or out of pots.

GODFREY ASCHMANN,

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Philadelphia, Pa.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 9.—Mushrooms, 15 cents to 50 cents per pound; lettuce, eight cents to 10 cents, small cases; radishes, 12½ cents to 35 cents per dozen bunches.

New York, December 9.—Cucumbers, 75 cents to \$1 per dozen and \$2 to \$3.50 per box; mushrooms, \$1 to \$1.60 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; lettuce, 25 cents to 50 cents per strap.

Christmas Notes.

The market gardener's line is not subject to fashion like other lines of trade; we can therefore anticipate the demand for our goods and prepare with a fair degree of accuracy by consulting our past records. In our market prime celery holds first place. We have noticed an ever increasing demand for "celery hearts," that is, small celery bunched together and often tied quite attractively with red tape. The reason for this is plain. This smaller celery divides into many more pieces than one big coarse plant and very often these smaller parts are more palatable.

More than one-half of our trade is for these bunches; this requires much extra labor, but we have the compensation of being able to use up much small material to good advantage. Celery should not be washed much ahead of sales, hence we commence several days before and fix them ready to wash. We use paper-lined crates and stand the stalks upright to prevent twisting for light; this will relieve us the last day.

Next to celery we place head lettuce. It should be firm and well bleached. If outer leaves are green or brown it often pays to remove some and trim the balance so as to expose the bleached part to attract the buyer. Leaf lettuce is preferred in moderate sized plants, say from ¼ to ½ pound heads. Unfortunately this year, owing to slow sales, there will be much large and overgrown stock offered.

Scarlet Globe radishes are ever popular. To look their best these should be "hosed" with clear cold water after bunching to get them absolutely clean. All root crops, cabbages and spinach, are slow sale and should be avoided; while good parsley, cauliflower and mushrooms are generally "good prospects."

MARKETMAN.

BINGHAMTON, N. Y.—W. H. Graham, for twenty years a local florist, has closed out his business and will move to Little Falls, where he will take charge of the business of his brother, J. O. Graham. Ill health necessitates the retirement of J. O. Graham from active work for the present.

DENVER, COLO.—D. F. Brown, 1625 Colorado boulevard, will build a greenhouse at a cost of \$2,000.

KANSAS CITY.—Samuel Murray reports business as very good. He says he made quite a hit this fall with pot-grown grapes and also Scotch heather. The last week in November was a very busy one with Mr. Murray and in addition to the usual business he had the decorations for a big house wedding.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne Junc., N. J.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; **LETTUCE**, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.

Vaughan's Chrysanthemum Stock Plants.

Are Now Ready.

LARGE FLOWERING. Newer Sorts.

Each 50c; 3 for \$1.35; doz. \$5.00.

Artistic Queen, rose pink.
Chrysolora, yellow.

Hirondelle, rosy lavender.
Nontero, pure white.

Ramapo, yellow.
White Gloria, white.

Large Flowering. Standard Sorts.

Each, 25c; 3 for 65c; doz. \$2.50.

Chadwick Supreme, pink.
December Gem, white.
Golden Chadwick, yellow.
Mrs. D. Syme, white.
Marion Newell, deep pink.

Roman Gold, deep yellow.
Smith's Advance, white.
Timothy Eaton, white.
Wm. Chadwick, white.
Yellow Eaton, yellow.

Singles.

Each, 35c; 3 for \$1.00; doz. \$3.

Buttercup, yellow.
Cosmos, deep pink.
Garza, white.
Lady Lu, white.
Lady Smith, pink.
Minnesota, blood red.

POMPONS. Each 35c; 3 for \$1.00; doz. \$3.00.

Allien, pink.
Acto, yellow.
Baby Margaret, white.
Charlotte, brown.
Diana, white.

Emo, yellow.
Julia La Gravera, red.
Klondike, yellow.
La Purite, white.
Magnificus, white.
Zoda, pink.

Minta, light pink.
Princeton, brick red.
Panama, deep red.
Prince of Wales, white.
Unecda, yellow.

31-33 W. Randolph St.
CHICAGO

VAUGHAN'S SEED STORE

Greenhouses and Nurseries, Western Springs, Ill.

25 Barclay St.
NEW YORK



The Herald

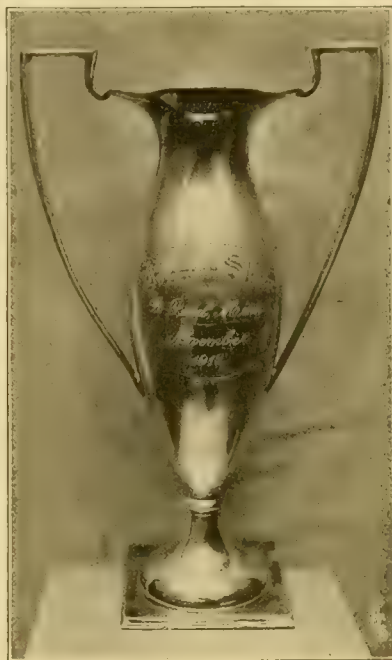
NEW SCARLET CARNATION

Two years the winner. Best 100 Red or Scarlet.

No other scarlet carnation can equal this in competition against standard and seedling varieties for two years.



Cincinnati Flower Show, 1911.



St. Paul Flower Show, 1912.



A bunch of 25 **The Herald** as they come into the wholesale market. Note the size compared with other carnations.

The Herald is an early, free and continuous bloomer, producing large, very full, 3½ inch flowers on long, strong stems, never weak, large calyx, positively non-bursting. The color is a grand bright scarlet that does not fade or come slate color at any time. Habit is ideal, upright growth; breaks readily from the base; produces flowers in remarkably short time. Compared with Enchantress it will produce at least one-third more and every flower will be perfect. No culls—no splits—no weak stems. Cuttings ready for immediate delivery. All stock guaranteed strong, well rooted and satisfactory in every respect.

\$12.00 per 100; \$100.00 per 1000; \$450.00 per 5000; \$800.00 per 10,000.

We also have ready for immediate delivery, strong, well-rooted cuttings of the following varieties:

	Per 100	Per 1000		Per 100	Per 1000
The Herald , scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink..	\$ 3.00	\$ 25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Woodenrhe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa , medium pink.....	4.00	35.00	Washington , dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder , pure white.....	4.00	35.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00

On Wednesday, December 18, we will give our annual excursion to our greenhouses at Joliet to give our friends and customers a chance to see **The Herald** growing. Rock Island train leaves La Salle Street station at 11:45 a. m. Everybody will be supplied with tickets on the train. Lunch will be served at the greenhouses. Everybody welcome.

Chicago Carnation Co.

A. T. PYFER, Mgr.

30 East Randolph St.,

CHICAGO

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

THE date of the next annual convention of the American Association of Nurserymen, to be held in Portland, Ore., will be June 18-20, 1913, according to the decision of the executive committee.

THE importation of citrus nursery stock from Florida has been barred by all but two counties (Fresno and Tulare) in California as a result of red and yellow scale said to have been discovered in shipments of orange trees.

OAKLAND, CALIF.—The following officers were elected at the recent meeting held here by the California Association of Nurserymen: F. H. Wilson, Fresno, president; John Wallace, Oakland, W. V. Eberly, Niles, J. E. Berg-holt and Fred Howard, Los Angeles, and A. W. Wheeler, San Jose, vice-presidents; Henry Kruckenberg, secretary-treasurer. A resolution favoring state instead of county control of nursery stock was passed.

Viticulture in Roumania.

The grapevine in Roumania, in common with those through Europe generally, suffered greatly from phylloxera not many years ago, and as the disease is still present to a limited extent the Roumanian Ministry of Agriculture continues in its efforts to eradicate it. To this end large quantities of shoots of so-called American vines are furnished annually to wine growers at nominal prices. Most of these shoots come from the government nurseries, these nurseries being supplied by purchases made in Algeria.

BIG WELLS, TEX.—A charter has been granted to the Big Wells Farming and Nursery Co., capital stock \$100,000. J. E. Franklin of St. Louis and M. E. Leming and William McMurray of Big Wells are incorporators.

FORT SMITH, ARK.—At a meeting held here recently plans were perfected for the convention of the Arkansas Horticultural Society to be held January 21-23.

Wanted.

25 TO 100 CRYPTOMERIA'S,
10 to 15 feet high.

E. C. DEVEREUX, 25 Broad St., New York

Mention the American Florist when writing

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

Mention the American Florist when writing

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS
ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches..... \$20 00
Otaksa, with 4 branches..... 15 00
Otaksa, with 3 branches..... 12 00
Otaksa, with 2 branches..... 10 00
Thos. Hogg, with 5 and 6 branches 20 00
Souvenir de Claire, with 7 and 10
branches..... 25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

ENGLISH MANETTI STOCKS, GRAFTING SIZE

Ready for Immediate Delivery

\$13.00 per 1000. \$12.50 per 1000 in lots of 5000 or over.

THOMAS MEEHAN & SONS, DRESHER, PENNA.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

SEASONABLE STOCK

Hydrangea Otaksa, 3 to 5 shoots, pot-grown, 5-in. pots, \$25.00 per 100; field grown, 4 to 6 shoots, \$15.00 per 100; 5 to 7 shoots, \$25.00 per 100.

Pandanus Utilis, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Hardy English or Russian Violet, strong field-grown clumps, \$7.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Hybridum, 6-in. pot plants, \$25.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Bougainvillea Glabra Sanderiana, well established bushy 4-in. pot plants, right for forcing, \$15.00 per 100.

THE STORRS & HARRISON CO. - Painesville, Ohio.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,
Olivet-Orleans, France.

PRICE LIST OF CRAIG Christmas Specialties

Are known all over the country and are in greater demand each year. Having increased our glass area over 100,000 square feet, we are in a position to meet our fast increasing business. Our stock for the holidays is superior in quality to any we have ever grown, notwithstanding the high standard we have maintained for years. You are cordially invited to call and inspect our stock, which includes the following in the sizes herein listed:

Azaleas.

Madam Petrick, Vervaeana and Vervaeana Alba.
5½-inch pots.....\$12, \$15 and \$18 per doz.
6-inch pots.....
7-inch pots.....

Poinsettias.

We grow none of the pink variety, all of our stock being of the selected, bright red sort, the bracts are unusually large in all the sizes.

3-inch pots.....\$15 per 100
4-inch pots.....\$25 per 100
4-inch pots, branched.....\$5 per doz.
5-inch pots, heavy.....\$50 per 100
7-inch pans, 3 plants with ferns.....\$15 per doz.
8-inch pans, 3 plants with ferns.....\$18 per doz.
9-inch pans, 3 plants with ferns.....\$24 per doz.
8-inch low pans, 5 plants with ferns.....\$15 per doz.

Double Poinsettias.

This is a great improvement over the single variety, the bracts being double and much larger.
3-inch pots, heavy.....\$20 per 100

Cut Poinsettias.

Single and Double, very large flowers, \$3 and \$4 a doz.

Begonia Gloire de Lorraine.

The largest and finest stock of this beautiful Christmas plant in the country. The plants have been grown cool and are sure to give satisfaction.

3-inch pots.....\$3 per doz.; \$20 per 100
4-inch pots.....\$35 per 100
5-inch pots.....\$7.50 per doz.; \$50 per 100
5-inch pots, heavy.....\$9 per doz.
6-inch pots, very heavy.....\$12 and \$15 per doz.
7-inch pots, very heavy.....\$18 per doz.
8-inch pots, very heavy.....\$24, \$30 and \$36 per doz.

Begonia Lonsdale.

We have a large stock of this light sport at the same prices as quoted above for Begonia Gloire de Lorraine. This variety is considered far superior to the original type, making a finer shaped plant, and holding the flowers much better. The color is a little lighter than the original Lorraine.

Begonia Glory of Cincinnati.

This variety is endorsed by all the leading retail florists and will in time displace Begonia Gloire de Lorraine. Do not overlook this grand plant when placing your order for Christmas.

3½-inch pots.....\$35 per 100
6-inch pots.....\$1.25 each
7-inch pots.....\$1.50 each
8-inch pots.....\$2.50 each

New Begonia Norwood.

This is a dark pink sport of Begonia Lonsdale and is, without doubt, the best keeping Begonia in existence. It bloomed as early as November 1 last year and still retained its original flowers until April 1. It has proven a wonderful plant for baskets, etc.

3-inch pots.....\$25 per 100
4-inch pots.....\$3 a doz.; \$35 per 100
5-inch pots.....\$9 a doz.; \$70 per 100

Cyclamen.

This has been one of our specialties for over twenty years. This year we grew upwards of fifty thousand plants. At this time our stock is better than ever before and sure to be a moneymaker for anyone buying now.

Plants in all sizes exceptionally well flowered.
4-inch pots.....\$25 and \$35 per 100
5-inch pots.....\$6, \$9 and \$12 per doz.
6-inch pots.....\$12, \$15, \$18 and \$24 per doz.
7-inch pots, 22 inches to 24 inches in diameter.....\$2 and \$2.50 each

Gardenia Veitchii.

These are very strong plants and will make grand stock for winter blooming.
2¼-inch pots, heavy, January delivery.....\$8 per 100; \$75 per 1000
4-inch pots, heavy.....\$20 per 100; \$180 per 1000
6-inch pots, heavy.....\$50 per 100
6-inch pots, heavy, in bud, will flower for Xmas.....\$12, \$15 and \$18 per doz.

Crotons.

The Croton, with its highly colored foliage, is indispensable for the coming season. We have the largest and most complete collection of Crotons in the world, of the very highest quality and brilliantly colored; fine for Christmas baskets.

3-inch pots.....\$25 per 100
4-inch pots.....\$30 and \$35 per 100

Fred Sander.

Beautifully Colored.
3-inch pots.....\$25 per 100
4-inch pots.....\$35 per 100

Punctata, Heavy.

3-inch pots.....\$15 per 100
4-inch pots.....\$30 per 100

Assorted Varieties.

5-inch pots.....\$6, \$9 and \$12 per doz.
6-inch pots.....\$1, \$1.25 and \$1.50 each
8-inch azalea pots, made up plants, handsome specimens.....\$2, \$2.50 and \$3 each

Larger plants.....\$4, \$5, \$6 and \$7.50 each
We are also offering our wonderful collection of Seeding Crotons in over one hundred fifty (150) varieties. These varieties have proved themselves far ahead of any new varieties at home or abroad, having taken first prize wherever shown.

4-inch pots, strong plants.....\$3 each, \$30 a doz.; \$200 per 100
5-inch and 5½-inch pots, strong plants.....\$5 each, \$50 a doz.; \$300 per 100

Dracaenas.

There is no variety of foliage plant as attractive as the highly colored Dracaenas. The small and medium sizes can be used to great advantage in making up the popular Christmas baskets, while the large specimens have always been in great demand for decorative purposes. We are now growing more Dracaenas in greater variety, than any firm in this country. Following is a list of varieties with descriptions.

Dracaena Massangeana.

The variety with the golden stripe down the center of the leaf. This handsome plant is the best of all Dracaenas for the house. We have an exceptionally large stock, well colored, and of the very highest quality.
6-inch pots.....\$15 and \$18 per doz.
8-inch pots.....\$2 and \$2.50 each

PLANT COMBINATIONS

We take pleasure in calling the attention of the trade to our Plant Combinations for Christmas sales. These are better than any heretofore offered. This year the same idea of filling them early in order to thoroughly establish them has again been carried out, but instead of using tubs or the ordinary receptacle, we have made artistic baskets, etc. These are well made boxes, covered with birch bark and rattan. The baskets we have in three sizes, 8", 10" and 12", and a special indoor window box 18" long, 6" deep and 6" wide. In filling these the styles are varied in order to give variety and nothing but high class plants are used in the filling, such as Crotons, Pandanus, Dracaenas in variety, Ferns, etc. Last year we sent our plant combinations to all the large cities and while then in the ordinary green tub they met with the highest approval everywhere. These filled this year we cannot recommend too highly and assure you much time and thought has been spent to have them thoroughly durable and artistically correct.

Window Box, 18" long, 6" wide, 6" deep, \$3 and \$3.50

Plant Basket, 8"x8"x7", \$2.50 each
Plant Basket, 10"x10"x8", \$3 and \$3.50 each

Plant Basket, 12"x12"x10", \$5 each
Baskets furnished by H. Bayersdorfer & Co.

Dracaena Fragrans.

6-inch pots.....\$6 and \$9 per doz.
9-inch pots, very heavy.....\$24 per doz.
8-inch tubs.....\$18 per doz.

Dracaena Lord Wolsley.

One of the very best varieties for Christmas, being bright red in color.

2-inch pots.....\$12 per 100
3-inch pots, heavy.....\$25 per 100
4-inch pots, heavy.....\$35 per 100
5-inch pots, heavy.....\$50 per 100
5-inch pots, very heavy.....\$9 and \$12 per doz.

Dracaena Terminalis.

Exceptionally well colored.

¾-inch pots.....\$10 per 100; \$90 per 1000
3-inch pots.....\$20 per 100
4-inch pots, strong plants.....\$30 and \$35 per 100
6-inch pots, extra strong.....\$12 and \$15 per doz.

We would suggest ordering the above early, as the demand is always great at Christmas.

Dracaena Godseffiana.

Fine for baskets.
3-inch pots.....\$15 per 100
4-inch pots.....\$25 per 100

Dracaena Mandaiana.

Large leaf, beautifully colored bright red.
6-inch pots.....\$15 and \$18 per doz.
7-inch pots.....\$18 and \$24 per doz.
8-inch pots.....\$2.50 and \$3 each

If unable to call, you may send us your order, large or small, with every confidence that it will have our best attention.

ROBERT CRAIG CO.

Branch: NORWOOD, PA.

49th and Market Streets., PHILADELPHIA, PA.

GODFREY ASCHMANN'S NOVELTIES

Made-up
6-in. Pans.



1 2 3 4 5 6 7 8 9 10 11 12 13

See Our Novelties in Made-up Pans.

PALMS.

- No. 1. 6½-in. pots, one large 20 to 22 in. Poinsettia in center, edge of large Boston, Scottii or Whitmani Ferns, Asparagus Plumosus or Sprengerii, and Adiantum Hybridum, mixed, very attractive, 75c.
No. 2. 6-in. pot, one large 20-in. Poinsettia in center, edge of Asparagus Plumosus or Sprengerii, 40c to 50c.
No. 3. 5½-in. pot, large 18-in. Poinsettia in center, edge of Asparagus Plumosus or Sprengerii, only 35c.
No. 4. 6½-in. standard pot, one large 18-in. Dracaena Terminalis in center, three large 4-in., 12 to 15 in. high, Asparagus all around, very fine, 75c. worth \$1.00.
No. 5. 6-in. pan. one large Dracaena Terminalis in center, edge of Pteris Wilsoni, 50c.
No. 6. 6-in. pan. one large Poinsettia in center, edge of Pteris Wilsoni.
No. 7. 6-in. pan. one large Poinsettia in center, edge of Alba Lineata or Holly Fern, 50c.
No. 8. 6-in. pan. one Poinsettia in center, edge of Pteris Mayii, 50c.

- No. 9. 6-in. pan. one Poinsettia in center, edge of Asparagus Plumosus, 25c.
No. 10. 6-in. pan. Poinsettia in center, edge of Pteris Alba Lineata, 50c.
No. 11. 6-in. pan. Begonia Gloire de Lorraine, edge of Asparagus Plumosus or Sprengerii, 50c.
No. 12. 6-in. pan. Begonia Gloire de Lorraine, edge of Holly Ferns, 50c.
No. 13. 6-in. pan. one Poinsettia in center, edge of Holly Ferns, 50c.
6-in. pan. one Kentia Forsteriana in center, edge of Asparagus Plumosus or Sprengerii only 25c.
18-in. boxes, filled very attractively with Dracaena Terminalis, well-colored up Boston, Whitmani, Scottii or Scholzei Ferns, Asparagus Plumosus or Sprengerii, and Adiantum Hybridum \$1.50 to \$2.00.
500 6 in. pans of Kentia Forsteriana made up. Poinsettia in center, Asparagus Plumosus or Sprengerii as an edge, sells on sight, only 25c.

- Kentia Forsteriana, 5½ to 6 in. pots, 25 to 28 in. high, 50c to 60c.
Kentia Forsteriana, 5 to 6 years old, 40 to 50 in. high, \$1.75, \$2.00 and \$2.50.
Kentia Forsteriana, 6-in. pots, made up, one large in center, three small ones around, \$1.00 to \$1.25
Kentia Forsteriana, 4 year old, 30 to 35 inches high, 6-in. pot, \$1.50.
Kentia Forsteriana, 4 year old, 26 to 30 inches high, 6-in. pot, 75c to \$1.00.
Kentia Forsteriana, 4½ to 5 in. pots, 20 to 24 in. high, 30c to 40c.
Kentia Forsteriana, 7-in pots, made up, one large, 45 to 50 in. high, in center, three smaller sizes, about 20 to 25 in., around, \$2.50 to \$3.00.
Kentia Belmoreana, combination or made up of 3 plants, 3 year old, 24 to 26 in. high, 75c to \$1.00.
Kentia Belmoreana, 4-in., 25c; 5½-in., 50c.
Kentia Belmoreana, 4 year old, 6-in., 26 to 28 in. high, 75c to \$1.00.

We have a bench full of **Dracaena Terminalis**, large, bushy, 4-in., 25c. worth 50c; 5¼-in., 15 to 18 in. high, only 40c to 50c; well colored.

Cash with order, please. 25 at 100 rates.

All plants must travel at purchaser's risk.

GODFREY ASCHMANN,

Wholesale Grower and
Importer of Potted Plants,

1012 W. Ontario St., PHILADELPHIA, PA.

A FEW GOOD THINGS YOU WANT.

- Geraniums, Nutt, Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston and Whitmani Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$4.00; 5-in., \$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengerii, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Field-Grown Violets

- Extra Strong California, \$4.00 per 100; good strong plants, \$3.00 per 100; \$25.00 per 1000.
Lady Campbell, No. 1 plants, \$3.00 per 100; good No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Shipments will start in December.

DAILLIDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Chrysanthemum Stock Plants.

- Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora, (Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstaetter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

- Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong, 2½ inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengerii, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.
Ricard and Poitevine, \$15.00 per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

CARNATIONS!

A Word to the Grower of Carnations!

This firm has 50,000 carnation plants that are grown exclusively for cuttings, and never allowed to flower.

It has been proved conclusively that plants will not yield cut flowers and give strong cuttings at the same time; compelling them to do this gives weakened stock.

If your stock is lacking vigor, replace with some of these carefully handled cuttings; they will put you in good shape for another year.

We use science and efficiency methods in handling our carnations from start to finish; visit our place and see for yourself; you will not find a yellow or diseased plant.

We root our cuttings in clean Lake Michigan sand, freighted 200 miles.

We root them cool.

We have 150,000 cuttings ready for **December** delivery, and we shall have 200,000 for **January**.

They embrace the following sorts:

Commodore

Richest crimson scarlet; the best keeper and travel-

er in the family. Extremely free in bloom; clean, strong grower. The earliest red to come into bloom; brings a big crop for Xmas; blooms till late, holding its color perfectly from early to late. Won its honors at the Midwinter Exhibition at Detroit last year. **\$12.00 per 100; \$100.00 per 1000.**

Enchantress

Enchantress, White

Enchantress, Rose-pink

White Wonder

Mrs. C. W. Ward

Beacon

} \$3.00 per 100; \$25.00 per 1000

Benora

-

-

-

-

\$6.00 per 100; \$50.00 per 1000

Gloriosa

-

-

-

-

4.00 per 100; 30.00 per 1000

If you want early bloom and a big Christmas Cut, secure early propagated stock.

The E. G. Hill Co., Richmond, Ind.

Special Azalea Offer

We have a fine lot of Azaleas, seconds. They have lost part of their foliage owing to an unfortunate delay in transit from Belgium. The flowers are as good as any. But we will sacrifice a few hundred

**At a Reduction of
25 to 50 per cent,**

according to value. Colors mostly Red and Pink. A BARGAIN to anyone who can use them.

POEHLMANN BROS. CO.,
Plant Department, Morton Grove, Ill.

CARNATIONS

Rooted Cuttings, Season 1912-1913.

December and January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

PRIMROSES

	Per 100	Per 1000
Chinensis, Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots..... at	\$1 50	\$12 00
ASPARAGUS		

Plumosus, 2 1/4 pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

Field Plant Cut back.....	5 00
---------------------------	------

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art.

Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

ORDERS FOR XMAS RECEIVED NOW SPECIAL OFFER

OF OUR STOCK OF

Flowering and Berried Plants for Xmas, 1912

Ardisia Crenulata, perfectly fruited for Xmas, specimens, 5 1/2-in. pots, \$2.00, \$2.50 and \$3.00 each.

Aspidistra, green, 10c per leaf; variegated, 12c per leaf (in all sizes from \$1.00 to \$5.00 each).

Bay Trees, Standards, 32 in. to 38-in. crown diameter, 40-in. to 48 in. stem, \$14.00, \$16.00 and \$18.00 per pair.

Cyclamen Persicum Giganteum, in variety, 5 in. to 7-in. pots, \$4.00, \$6.00, \$9.00 and \$12.00 per doz.; specimens, \$1.25 and \$1.50 each.

Gardenia Veitchii, 6-in. pots, \$6.00 per doz. in bud; specimens, \$3.00 each.

Kentias Belmoreana and **Forsteriana**, combinations from \$3.00, \$4.00, \$5.00, \$6.00 up to \$15.00 each.

Pandanus Utilis, 4, 4 1/2 and 5 in. pots, \$3.00, \$4.00 and \$6.00 per doz.

Pandanus Veitchii, 5, 6, 6 1/2 and 7-in. pots, 75c, \$1.00, \$1.50, \$2.00 and \$2.50 each; also by the dozen.

Scottii and **Boston Ferns**, from \$9.00, \$12.00, \$15.00, \$18.00 and \$24.00 a doz.

Whitmani Ferns, from 6-in. pots, \$9.00 per doz.

Jerusalem Cherries, \$6.00; \$9.00 and \$12.00 per doz.

New Solanum Caps. Cristatum, small miniature well berried var., doz., \$3 and \$4.

Azaleas, in six varieties, all colors, from 25c to \$5.00 each.

Poinsettias, in pots and pans, from \$3.00 to \$36.00 per doz.

Erica Fragens, \$12, \$15 to \$18 per doz.; specimens, \$3 to \$6 each.

Carnation Mrs. Schultheis, cerise pink, full bloom, 5 1/2-in. pots to 7-in. pans, \$4.00, \$6.00, \$9.00.

Attention! Special Offer of Surplus Stock of **HEATHER**

As we have several hundred more well budded plants of the beautiful new pure white **Easter variety, Erica Codonodes Veitchii**, to be sold on account of lack of room, therefore we offer perfect shaped and budded two-year-old bushy plants from 5 inch pots, at \$50.00 per 100. Net cash.

Cash with order, please, or satisfactory New York City references.

Say if wanted shipped out of pots.

ANTON SCHULTHEIS, 316 19th St., College Point, L. I., N. Y.

There Is No Dodging This Fact!

We have originated more good

Commercial Chrysanthemums

Than any other firm in America.

We will disseminate five new Commercial varieties the coming season that are worthy of our reputation and your consideration.

We will also offer four Exhibition varieties of such high standard as to merit general approval.

All the best standard varieties are included in our collection.

1913 Catalogue Ready in January. If not received regularly—ask for it.

SCARLET BEDDER, OUR NEW GERANIUM,

Is the best double red, not excepting S. A. Nutt.

3-inch pots, January Delivery.

PRICE: \$1.50 per ten; \$12.50 per hundred; \$100.00 per thousand.

Elmer D. Smith & Co.,
ADRIAN, MICH.

“Get Them at Dreer’s.”

KENTIAS

While we are only offering Kentias in this advertisement, everyone in the trade knows that if he wants anything else in the line of Palms, be it a Decorative variety, or a Rare Collection Variety, he can “Get Them at Dreer’s.”



KENTIA BELMOREANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10	\$ 1.50	\$10.00
3	5	12	2.00	15.00
5	6 to 7	18 to 20	Each, \$ 0.75	
6	6 to 7	24	1.00	
6	6 to 7	28 to 30	1.50	
7	6 to 7	30 to 36	2.50	
8-in. tubs	6 to 7	45 to 48	5.00	
11 " "	7 to 8	4 1/2 ft. high	8.00	
12 " "	8 to 10	5 1/2 " "	10.00	

KENTIA FORSTERIANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10	\$ 1.50	\$10.00
3	4 to 5	12 to 15	2.00	15.00
4	5 to 6	15 to 18	4.50	35.00
5	6	22 to 24	Each, .75	
6	6	28 to 30	1.00	
6	6	34 to 36	1.50	
7	to 7	36 to 40	2.00	
7	6 to 7	40 to 42	3.00	
8	6 to 7	45 to 48	4.00	
8	6 to 7	4 ft. high	5.00	
10	6 to 7 1/2	5 1/2 " "	6.00	
11	7 to 8 5 to 5 1/2	" "	8.00	
11	7 to 8 5 1/2 to 6	" "	10.00	
12	7 to 8 6	" "	15.00	

KENTIA FORSTERIANA

In. pots	Plants in a pot	In. high	Each
5	4	20 to 24	\$ 0.75
In. tubs	Plants in a tub		
7	3	36	2.50
7	3	38	3.00
8	3	40 to 42	4.00
8	3	42 to 45	5.00
8	3	4 to 4 1/2 ft. high	6.00
9	3	4 1/2 to 5 " "	8.00
10	3	5 to 5 1/2 " "	10.00
12	3	5 1/2 to 6 " "	15.00
13	4	6 1/2 to 7 " "	20.00
15	4	7	25.00

Mixed Ferns for Dishes

While the “Dreer Grade” of Mixed Ferns has always sold for \$3.50 per 100, or \$30.00 per 1000 in competition with other stocks at \$3.00 per 100 or \$25.00 per 1000, we have decided to meet this price and our usual high grade plants will now be furnished at the reduced price of \$3.00 per 100; \$25.00 per 1000, but not less than 500 will be supplied at thousand rates.

Send for our Special Holiday Offer of
Decorative Plants if you have
not received a copy.

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

Specialty of **ERICAS**

and All Varieties of

Winter Flowering Plants

Louis Dupuy

Whitestone, N. Y.

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Phoenix Roebelenii				
6-in.	6 to 7	28 to 30.....	1 50	18 00	5-in., nicely characterized.....			\$1 00	
Cedar tub Leaves					6-in., 18 to 20-in. spread.....			1 50	
7-in.	6 to 7	34 to 36.....	2 50	30 00	Cedar tub	High	Spread	Each	
9-in.	6 to 7	40 to 45.....	4 00	48 00	7-in.	18-in.	24-in.....	\$2 00	
9-in.	6 to 7	42 to 48.....	5 00		Cibotium Schiedel				
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	Spread	2 to 2½ feet.....	\$2 00	
9-in.	6 to 7	5 ft.....	8 00		7-in.	4 feet.....		4 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

For Christmas Trade



Begonia Glory of Cincinnati

We have eight houses of these beautiful Begonia, grown expressly for the Retail Store Trade.

Strong 4-inch 50c; 5-inch 75c; 6-inch \$1.00; fine specimens \$1.50, \$2.00 and \$3.00 each.

CYCLAMEN

Best strain obtainable, well-flowered, \$6.00, \$9.00, \$12.00, \$18.00 and \$24.00 per dozen.

POINSETTIAS

In pans, \$1.00, \$1.50 and \$2.00 each.

Your early orders appreciated, and we will reserve your stock. For other plants, price list on application. Cash with order from unknown correspondent.

J. A. Peterson & Sons

Wholesale Plant Growers

McHenry Av., Westwood,

CINCINNATI, O.

Index to Advertisers.

Advance Co The.....1271
 Albany Cut Flower Ex.....1241
 Alpha Floral Co.....1244
 American Spaw Col 254
 American Wooden
 Ware Mfg Co.....111
 Amling E C Co.....1237
 Anderson S A.....1243
 Andorra Nurseries.....1236
 Angermueller G H.....1236
 Appine Mfg Co.....1270
 Aschmann Godfrey.....1253
 Atlanta Floral Co.....1244
 Auburndale Gold
 Fish Co.....1216
 Austin H.....1242
 Ayers S Bryson.....1249
 Bader Jno & Co.....1250
 Barnard The W W
 Co.....111
 Barrows H H & Son 1252
 Bassett & Washburn
 1223 1250
 Bayersdorfer H.....1272
 Beaven E A.....1242
 Begerow's.....1236
 Benard G.....1236
 Berger Bros.....1238
 Berning H G.....1238
 Berterman Bros Co 1244
 Black Chas.....1238
 Bobbink & Atkins.....1256
 Boddington A T.....11
 Bodger J & Sons Co.....11
 Boland J B Co.....1247
 Boligiano J & Sons.....11
 Rowe M A.....1245
 Bramley & Son.....1246
 Brasian Seed Grow
 Co.....1248
 Breitmeyer's J Sons 1244
 Brown Alfred J Seed
 Co.....1248
 Brown Bag Filling
 Machine Co.....1249
 Bruns H N.....1249
 Buchanan A & Son 1242
 Buchbinder Bros.....1269
 Buckbee H W.....1246
 Budlong J A.....1225
 Burpee W A & Co.....11
 Caldwell the Woods-
 man Co.....1242
 California Seed Grow
 Assn.....1248
 Camp Conduit Co.....111
 Carbone Philip L.....1246
 Chattahoochee Flo Co 1242
 Chicago Carn Co 1 1255
 Chicago Flower
 Growers Assn.....1224
 Chicago House
 Wrecking Co.....1272
 Clark E B Seed Co.....11
 Clark G R.....1269
 Clark's Sons David 1245
 Cleveland Cut
 Flower Co.....1245
 Conard & Jones.....1252
 Cooke Geo H.....1243
 Cotsonas Geo & Co 1242
 Cowee W J.....1269
 Coy H C Seed Co.....1252
 Craig Robt Co.....1257
 Critchell C E.....1239
 Cross Eli.....1258
 Crump Frank F.....1244
 Cunningham Jos H 1260
 Currie Bros Co.....1226
 Curry John.....1246
 Dailledouze Bros.....1258
 Daniels & Fisher.....1245
 Dards Chas.....1244
 Deamud J B Co.....1222
 Detroit Flower Pot
 Mfg.....111
 Dietsch A & Co.....11
 Diller Caskey &
 Keen.....1268
 Dillon J L.....1252
 Dingee & Conard Co 1252
 Dorner F & Sons.....1260
 Dreer H A III 1261 1272
 Duerr Chas A.....1246
 Dunlop John H.....1245
 Dupuy Louis.....1261
 Dwelle - Kaiser Co
 The.....1270
 Edwards Folding
 Box.....1264
 Elk Galax & Fern
 Co.....1242

Emmans Geo M.....1258
 Erie Floral Co.....11
 Erne & Klingel.....1233
 Esperance L Nurs.....1250
 Ever Ready Flower
 Pot Cover Co.....1236
 Eyres H G.....1245
 Fish Henry Seed Co 1249
 Florists' Hall Assn.....1272
 Florists' Tel D'lrvy 1247
 Foley Mfg Co.....11
 Fourth special cover
 Fottler, Fiske.....11
 Rawson Co.....1254
 Franklin Plant Farm 1252
 Franzen F O.....1252
 Fraser Samuel.....1236
 Freeman Mrs J B.....1271
 Freeman & Sons S.....1231
 Freres D E.....1253
 Froment H E.....1241
 Galvin Thos F.....1245
 Garland G M.....1230 1271
 Gasser J M Co.....1245
 Geny Bros.....1246
 Giblin & Co.....1270
 Godineau R & M.....1249
 Gorham & Chapline
 1269 1271
 Grand Rapids
 Flower Co.....1245
 Groves Robert.....1242
 Gude Bros.....1244
 Gunterberg M C.....1226
 Gutman Alex J.....1241
 Hardesty & Co.....1243
 Hartmann's Rosary 1247
 Hatcher, Florist.....1246
 Haven Seed Co The 1249
 Hayward Floral Co 1246
 Heacock Jos Co.....1262
 Heintz John & Son 1245
 Henderson A & Co 1252
 Herr Albert M.....1258
 Herrmann A.....1269
 Hess & Swoboda.....1244
 Hews A H & Co.....111
 Hildebrand Geo.....1247
 Hilfinger Bros.....111
 Hill The E G Co.....1259
 Hines E Lumber Co 1272
 Hires Turner Glass
 Co.....1268
 Hoeckner L.....1235
 Hoerher Bros.....1222
 Hoffman Flo Artist 1245
 Hoffmeister Flo Co 1239
 Holm & Olson.....1244
 Holton & Hunkel Co 1211
 Home Car School.....1260
 Hooker H M Co.....1272
 Humfeld C.....1210
 Hurff Edgar F.....1252
 Igoe Bros.....1264
 Illinois Pipe Mfg Co 1271
 Isbell S M & Co.....1250
 Jackson & Perkins 1256
 Jacobs S & Sons.....1271
 Johnson J Oliver.....1249
 Johnson WW & Son 1249
 Jones Percy.....1227
 Kam'm'n & Crowley 1247
 Kasting W F Co.....1239
 Keller Geo & Sons.....111
 Keller JB & Sons.....1246
 Kellogg Geo M.....1244
 Kennicott Bros.....1232
 Kervan Co The.....1241
 Kessler Philip F.....1240
 Kessler W A.....1241
 Kift Robt.....1245
 King Construct Co 1268
 Kohr A F.....111
 Kramer I N & Son.....111
 Kroeschell Bros Co 1271
 Kruchten John.....1226
 Kuehn C A.....1238
 Kuhl Geo A.....1252
 Kuhl & Foerster.....1237
 LaCrosse Floral Co 1247
 Lager & Hurrell.....11
 Lange A.....1244
 Landreth Seed Co.....11
 Lecakes N L & Co 1241
 Lederer.....1270
 Lee F & S.....1242
 Leedle Floral Co.....1252
 Lehman Bros.....1269
 Leonard Seed Co.....1249
 Lichtenberger J.....1224
 Lord & Burnham Co
 Second special cover
 McCallum Co.....1239

McConnell Alex.....1243
 McCoy L W.....1246
 McCullough's J M
 Sons Co.....1239
 McHutchinson & Co 11
 McKellar Chas W.....1234 1237
 McKenna P & Son 1245
 McMillan W C.....1242
 MacNitt Hort Co.....1270
 Mangel.....1243
 Matthews Florist.....1245
 May & Co L L.....1247
 Meconi Paul.....1241
 Meehan & Sons Thos 1256
 Mette Henry.....1254
 Meyer A.....1246
 Meyer John C & Co 1242
 Michigan Cut Flower
 Exchange.....1242
 Miller E S.....1249
 Moninger J C Co.....11
 Montreal Floral Ex 1239
 Moore, Hentz &
 Nash.....1224 1241
 Morehead Mfg Co.....1272
 Mt Gilead Pottery
 Co.....111
 Munk Floral Co.....1239
 Murray Samuel.....1244
 Myers Florist.....1246
 Nat Flo B of Trade 1272
 N Y Cut Flower Ex 1241
 Niessen Leo Co.....1239
 Oechslin Frank.....1252
 Oklahoma Seed Gro
 Co.....1249
 Palmer W J & Son 1244
 Park Floral Co.....1244
 Peacock Dahlia Fmsl 1254
 Pedrick Geo & Son 1250
 Pennock-Meehan Co 1241
 Penn the Florist.....1244
 Peters & Reed Poty III
 Peterson & Sons, J A
 1263
 Pierson A N (Inc).....1262
 Pierson F R Co.....1250
 Pieters & Wheeler
 Seed Co.....1248
 Pillsbury I L.....1271
 Pinkston Jas E.....1242
 Pittsburg Cut Flo Co 1239
 Podesta & Baldocchi 1245
 Poshlmann Bros Co
 1214 1216 1217 1260
 Pollworth C C Co
 1238 1245
 Pulverized Manure
 Co.....1270
 Quaker City Machine
 Works.....1264
 Raedlein Basket Co 1218
 Randall A L Co.....1237
 Randolph & Mc
 Clements.....1272
 Ratekin's Seed H sel 1252
 Rawlings Elmer.....1250
 Ready Reference.....1265
 Reed & Keller.....1272
 Regan Ptg House.....1271
 Reid Edw.....1239
 Reinberg Geo.....1237
 Reinberg Peter.....1221
 Reuter Chris.....1249
 Rice Bros.....1238
 Rice & Co. M.....1242

Robinson J C Seed Co 11
 Rock W L Co.....1244
 Roemer Fred.....1249
 Rohrbert Seed Co.....11
 Rossi Angelo J.....1246
 Rutzahn Seed Co.....11
 Rusch G & Co.....1220
 Saakes O C.....1245
 Saltford Flower Shop 1244
 Scheel F F.....1250
 Schilder Bros.....1249
 Schiller, the Florist 1246
 Schillo Adam.....1264
 Schlatter W & Son 1264
 Schling Max.....1246
 Schmidt J C.....1258
 Schultheis Anton.....1260
 Schult Jacob.....1246
 Scott John.....1258
 Sears Wm P.....1241
 Shaffer Geo C.....1245
 Sharp Partridge & Co 1269
 Sinner Bros.....1234
 Situation & Wants.....1209
 Skidelsky S S & Co 1249
 Small & Son J H.....1244
 Smith A W & Co.....1245
 Smith E D & Co.....1260
 Smith & Hemenway 1260
 Smith Henry.....1245
 Smith Wm C.....1238
 Smith W & T Co.....11
 Stearns Lumber Co 1268
 Stoothoff H A Co.....1270
 Storrs & Harrison.....1250 1256
 Superior Machine
 & Boiler Works.....1270
 Syracuse Pottery Co 111
 Taylor Steam Trap
 Co.....1271
 Texas Seed & Flower
 Co.....1243
 Thompson Car Co.....1261
 Thomson Wm & Sns 1270
 Thorburn J M & Co 1249
 Tottory Chas H.....1252
 Trimble W E
 Greenhouse Co.....1237
 Tryloros Bros.....1246
 Uecker Chas F.....1242
 Valentine Frank.....1243
 Vaughan A L & Co 1219
 Vaughan's Seed Store
 I 111 1236 1251
 1254 1272
 Vestals.....1246
 Vick's Sons Jas.....1252
 Vincent R Jr.....1254
 Virgin U J.....1246
 Vonder Linden J.....1241
 Waban Rose Cons.....1252
 Wagner Park Cons.....111
 Walker F A & Co 1246
 Ward & Co R M.....11
 Weeber & Don.....1250
 Welland & Risch.....1257
 Welch Bros.....1218 1239
 Western Seed &
 Irrigation Co.....1249
 Wieter Bros.....1228 1237
 Wilks S Mfg Co.....1270
 Williams Mrs E A.....1246
 Wilson R G.....1243
 Winandy M & Co 1264
 Windler Wholesale
 Florist Co.....1238

Winterson E F Co 1233
 Wisconsin Floral Co 1246
 Wittbold G Co 1212 1243
 Wittbold Henry.....1232
 Wolfskill Bros &
 Morris Goldenson 1245

Wood Bros.....1261
 Yokohama Nurs Co 11
 Young & Nugent.....1243
 Zech & Mann.....1235
 Ziska Jos.....1237

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS
PHILADELPHIA, PA.

Mention the American Florist when writing



No loss if you
mend your
split carna-
tions with
**Superior
Carnation
STAPLES**
50c per 1000
postpaid.



Wm. Schlatter

& Son,

BEFORE

422 Main St., Springfield, Mass.

AFTER

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or
three circles. En-
dorsed by all the
Leading Carnation
Growers as the best
support on market

Pat. July 27, '97. May 17, '98

**GALVANIZED WIRE
ROSE STAKES.**

Write for prices before
ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.

BROOKLYN, N. Y.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
Richmond, Ind.

Mention the American Florist when writing

IT IS NOT...

what you pay for the adver-
tisement but what the adver-
tisement pays you. It pays
to advertise in the American
Florist.

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St.

CHICAGO

Telephone Ravenswood 607.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value
of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.
Pecky Cypress, because of its durability, is the only wood now being used
for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,

CHICAGO.

L.D. Phones: Lincoln 410 and 411

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. *Excelsa glauca*, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. *Robusta compacta*, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 50c each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. *Plumosus* and *Sprengeri*, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. *Asparagus plumosus*, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz; *Sprengeri*, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and *Sprengeri*, 4-in., \$10 per 100. *Plumosus*, 2½-in., \$3 per 100; *Sprengeri*, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. *Sprengeri*, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and *Sprengeri*, 2½-in., \$2 per 100; \$300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. *Sprengeri*, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and *Sprengeri*, 2½-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. V.

Asparagus Sprengeri, 4-in., strong, \$12 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus Sprengeri, 2½ and 3-in., \$4 per 100. Henry Smith, Grand Rapids, Mich.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ASPIDISTRAS.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green, 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, green, 10c per leaf; variegated, 12c per leaf. Anton Schultheis, 316 19th St., College Point, N. Y.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas, Vervaeana, Mme. Petrick, Mme. Ernst Eckhaute, Mme. R. de Smet, Heye, Simon Mardner. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Azaleas, Mme. Petrick and *Vervaeana*, 5½, 6 and 7-in., \$12, \$15 and \$18 per doz. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas, 6 varieties, 25c to \$5 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Azaleas, Mme. Petrick, \$1 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Azalea mollis, full of buds, 50c each; \$5.50 per doz.; \$36 per 100. Vaughan's Seed Store, Chicago and New York.

Azalea Indica, 75c to \$2.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards, 32 to 38 in. crown, 40 to 48 in. stem, \$14, \$16 and \$18 per pair. Anton Schultheis, 316 19th St., College Point, N. Y.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

BEGONIA GLORY OF CINCINNATI, in bud and bloom. 4-in., \$3.60 per doz.; 3-in., \$2 per doz.; 5-in., \$6 per doz.; 6-in., \$9 to \$12 per doz., very fine stock. Lorraine, 5-in., 35c and 50c; 6-in., 60c and 75c, in bud and bloom. ROEBER & RADKE, Maywood, Ill.

Begonias, *Gloire de Lorraine*, and *Lonsdale*, pink 5½ to 6-in., 50c, 75c to \$1. *Glory of Cincinnati*, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonias. For varieties and prices see advertisement elsewhere in this issue. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$8; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati in bloom. 5-in., 50c each; 6-in., 75c, \$1, \$1.25 and \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. *Gloire de Lorraine*, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, Japanese lilies, Spec. album, 9-11, \$13 per 100; rubrum, 9-11, \$9 per 100; *Melpomene*, 9-11, \$9.50 per 100. Tuberoses, dbl., pearl, 4-6, \$8 per 1,000. Weeber & Don, 114 Chambers St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs, *gladiolus*, *Blushing Bride*, and *The Bride*, 60c per 100; \$5 per 1,000. *Peachblow*, \$1 per 100; \$9 per 1,000. *America*, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. *Spires*, *Gladstone*, \$8.50 per 100; *Florabunda*, \$5; *Superba*, \$6; *Queen Alexandra*, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, *Lilium multiflorum*, *L. giganteum*. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, *Lilium longiflorum multiflorum*, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs, *Gladiolus* and *spirea*. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. James Vicks' Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, *Rosette*, St. Nicholas, *Benora*, \$6 per 100; \$50 per 1,000. *Gloriosa*, \$4 per 100; \$30 per 1,000. *White Wonder*, *White Perfection*, *White Enchantress*, *Enchantress*, *Rose Pink Enchantress*, *Scarlet Glow*, Mrs. C. W. Ward, *Bonfire*, \$3 per 100; \$25 per 1,000. P. Dorner & Sons Co., La Fayette, Ind.

FIELD-GROWN CARNATION PLANTS. Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	35.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WICTOR BROS., 162 N. Wabash Ave., Chicago.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwath & Bros., Easton, Pa.

Geranium Scarlet Bedder, 3-in. pots, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Carnations. For prices and varieties see advertisement elsewhere in this issue. Chicago Carnation Co., 30 E. Randolph St., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailedouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnations. For varieties and prices see page advertisement elsewhere in this issue. The E. G. Hill Co., Richmond, Ind.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, Enchantress, White Enchantress, Rose Pink Enchantress, Norwood, field-grown plants, \$6 per 100; \$50 per 1,000. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS, STOCK PLANTS.
From Prize Winning Stocks.

WHITE.		
	Pr. Doz.	Pr. 100
Peacock, early	\$1.25	\$8.00
Auroba	.75	5.00
Venetia	.75	4.00
White Frick, late	.75	5.00
Smith's Advance	.75	4.00
Early Snow	.75	4.00
President Taft	.75	4.00
Lynwood Hall	.75	4.00
White Jones	.75	4.00
White Chadwick, Improved	1.00	6.00
Timothy Eaton	.75	4.00
Elise Papworth	.75	4.00
Alice Byron	.75	4.00

YELLOW.		
	Pr. Doz.	Pr. 100
A. F. Felton, late med.	\$1.00	\$6.00
Golden Glow	.75	4.00
Donatella, early	1.25	8.00
Col. Appleton	.75	4.00
Golden Wedding	.75	4.00
Chrysolora	1.50	10.00
Bonnafton, yellow	.75	4.00
Yellow Jones	.75	4.00

PINK.		
	Pr. Doz.	Pr. 100
Maud Dean, late	.75	\$4.00
Dr. Enguehard	.75	4.00
Gloria	.75	4.00
Unaka	.75	4.00
Balfour	.75	4.00
Rosiere	.75	4.00
Pacific Supreme	.75	4.00
Mayor Weaver, medium	.75	5.00
Helen Frick, late	.75	5.00

BRONZE COLORS.		
	Pr. Doz.	Pr. 100
Glenview, medium, early	\$1.00	\$6.00
Reginald Vallis, medium	1.00	6.00

C. C. POLLWORTH CO.,
Milwaukee, Wis.

CHRYSANTHEMUMS. Stock Plants.		
	Per doz.	Per 100.
Chrysolora	\$1.50	\$10.00
Timothy Eaton	.60	3.00
Yellow Eaton	.60	3.00
H. W. Chadwick	.60	3.00
Col. Appleton	.60	3.00
Godfrey's Eclipse	.75	4.00
J. K. Shaw	.60	3.00
Wm. Duckham	.60	3.00
Intensity	.60	3.00
Beatrice May	.75	4.00
Donatello	1.00	6.00
F. E. Nash	.75	4.00
Pres. Taft	.60	3.00
F. S. Vallis	.75	4.00
Mrs. C. J. Neil	.75	4.00
Wells Late Pink	.75	4.00
Pres. Roosevelt	.75	4.00
A. J. Balfour	.75	4.00
Mayor Weaver	.75	4.00
Maj. Bonnafton	.60	3.00
White Bonnafton	.60	3.00
Mrs. H. W. Robinson	.60	3.00

LA CROSSE, LA CROSSE FLORAL CO. WIS.

Chrysanthemums, stock plants: Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTEMUMS—Crocus, \$1.50 per doz.; \$9 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonnafton, Golden Wedding, Tousey and Halliday, \$1 per 100. Otto J. Hembreifer, Lincoln, Ill.

Chrysanthemums, stock plants, Smith's Advance, \$3.50 per 100; Golden Glow, \$3.50 per 100; White Chadwick Improved, \$5 per 100; Yellow Bonnafton, \$3.50 per 100. Benjamin Avenue Nursery, Grand Rapids, Mich.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz.; 5-in., \$6 per doz.; 6-in., \$9 per doz.; 7-in., extra large, \$1.25 each. August Seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, 4-in., \$25 to \$35 per 100; 5-in., \$6, \$9 and \$12 per doz.; 6-in., \$12 to \$24 per doz.; 7-in., \$2 to \$2.50 each. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Cyclamen Persicum Giganteum, 5 to 7-in., \$4, \$6, \$9 and \$12 per doz.; specimen, \$1.25 and \$1.50 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Cyclamen, in bud and bloom, \$3, \$6, \$9, \$12 and \$18 per doz. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Cyclamen, 4-in., \$2 per doz.; 5-in., \$4; 6-in., \$6. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen, 50c to \$1.25 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Cyclamen, in bloom, 5-in., 50c to 75c each; 6-in., 75c; 7-in., \$1 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

DAISIES.

Daisies, Sanderi, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaenas, Bruant, Linden, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5 per 100; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracaenas. For varieties and prices see advertisement elsewhere in this issue. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, 8-in., 70-80 branches, 30c each; \$3 per doz.; \$20 per 100; 6-in., smaller stock, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Adiantum Croweanum, 4-in., \$15 per 100. Adiantum Hybridum, 5-in., \$25 per 100. Adiantum Cuneatum, 4-in., \$10 per 100. Cibotium Schiedel, 6-in., \$1.50 each. Storrs & Harrison Co., Painesville, O.

Ferns, Boston, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz.; 5-in., \$3 per doz.; 6-in., \$9 per doz.; 7-in., \$12 per doz.; 10-in., baskets, \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Assorted ferns, Cyrtomium Fal., Aspidium Tenn., Pteris Serrulata, etc., \$3 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Cibotium Schiedel, 6-8-in., \$1.50, \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Ochslin, 4011 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns for dishes, \$3 per 100; \$25 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. B. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweanum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

Ferns, Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus pandurata, 7-8-in., \$2.50 and \$3.50. Elastica, 4-in., 25c each; 5-in., 35c each; 7-in., branching, 75c to \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, 2-in., Roscleur, Nutt, Dagata, Ricard, Red Wing, Vial, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poitevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Gardenia Veitchii, 6-in., \$6 per doz.; in bud, specimens, \$3 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens, evergreen wreathing, for prices see advertisement elsewhere in this issue. Bulk bouquet green, XXX holly, boxwood, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Greens, wreaths, holly, bouquet green, green moss wreaths, magnolia plain and with ruscus and statice, boxwood, ruscus and oak leaves. Green roping and blanks for cemetery decorations. Geo. A. Kuhl, Pekin, Ill.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Holly, fancy Eastern, per case, \$4.50; 3 cases, \$13; 5 cases, \$20. The W. W. Barnard Co., 231-235 W. Madison St., Chicago.

Arbor-Vita clippings, 5 to 12 in. long, case 18x18 ins. x 4 ft., \$2. White pine clippings, 5 to 12 ins. long, cases 18x18 ins. x 4 ft., \$2. Chas. F. Uecker, New London, Wis.

Greens, buckberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Mistletoe, Stillman's every sprig berried brand. Now booking orders, December shipment. A. B. Stillman & Co., Boone, Iowa.

Baby Christmas trees (spruce), 30c each; \$2.50 per doz.; \$16 per 100. Winter's Seed Store, 166 N. Wabash Ave., Chicago.

Greens, Bronze galax, 40c per 1,000. Dagger ferns, 60c per 1,000. Rock ferns, 35c per 1,000. Aaron Buchanan & Co., Hawk, N. C.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Delaware holly, delivered to points east of Mississippi river, \$4 per case. 14-in. holly wreaths, \$10 per 100. H. Austin, Felton, Del.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Fancy and dagger ferns, \$1 per 1,000; 5,000 or over 90c per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Iron Mountain Galax, green and bronze, 50c per 1,000; \$4 per 10,000. Cash with order. J. R. Cox, Grant, Va.

Bouquet greens, Christmas trees and boughs for cemeteries. Northern Michigan Evergreen Nursery, Clark St. Bridge, Chicago.

Wild smilax, 1 case 50 lbs., \$2; 6 cases, \$11. F. & S. Lee, Marion, Ala.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Smilax, 2 1/2-in., \$2 per 100. James Vicks' Sons, Rochester, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas for forcing, 6 to 7-in. pots. Avalanche, Mme. Emile Mouilliere, Mme. Maurice Hamar, 3 to 4 flowering shoots, 75c each; \$8 per doz. Otaksa, 50c each; \$5 per doz.; \$40 per 100; 5 to 6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mme. Chantard, 3 to 4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 5 shoots, 5-in. pots, \$25 per 100; field-grown, 4 to 6 shoots, \$15 per 100; 5 to 7 shoots, \$25. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangeas for forcing 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5 1/2, 6 and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVIES

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Jerusalem cherries, \$6, \$9, \$12 per doz. Anton Schultheis, 316 19th St., College Point, N. Y.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Jerusalem cherries, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the valley, cold storage, regular grade, \$13 per 1,000; extra grade, XXXX, \$16 per 1,000. The W. W. Barnard Co., 231 W. Madison St., Chicago.

Lily of the valley. It pays to grow Bruns' early forcing valley (new crop), \$15 per 1,000; \$8 per 500; \$4.25 per 250. Cold storage, \$16 per 1,000; \$1.50 per 100. Bruns' celebrated Chicago Market, \$18 per 1,000; \$2 per 100. H. N. Bruns, 3032-42 W. Madison St., Chicago.

MANETTI.

Manetti stocks. We can spare about 100,000 good, strong manetti stocks, 30 shillings per 1,000. Cutting briar stocks, 30 shillings per 1,000. S. Bide & Sons, Ltd., Farnham, England.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus utilis, 4, 4 1/2 and 5-in., \$3, \$4 and \$6 per doz. Veitchii, 5, 6, 6 1/2 and 7-in., 75c to \$2.50 each; Anton Schultheis, 316 19th St., College Point, N. Y.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c; 6-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 6-in., \$1 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices, see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Hancock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago. Kentias Belmoreana and Forsteriana, \$3, \$4, \$5, \$6 up to \$15 each. Anton Schultheis, 316 19th St., College Point, N. Y.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. Areca lutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

PANSIES.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums. Mrs. Loyal, 2 1/2-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 4-in., \$2 per doz.; 5-in., \$4 to \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Celestial peppers, 5-in., \$10 per 100. Henry Smith, Grand Rapids, Mich.

Celestial peppers, 5-in. with fruit, \$15 per 100. Henry Smith, Grand Rapids, Mich.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in. pots, 15c each; 4-in., 25c; 5-in. pans, 35c; 6-in., 3 to 4 in a pan, 50c; 7-in., 75c; 8-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Poinsettias. For prices see advertisement elsewhere in this issue. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Poinsettias, in pots and pans, \$3 to \$6 per doz. Anton Schultheis, 316 19th St., College Point, N. Y.

POINSETTIAS, in bloom, 3-in., 10c; 5-in., made-up pans, 35c, 50c each; 6-in., 75c; 7-in., \$1. ROBER & RADKE, Maywood, Ill.

Poinsettias, 2 1/2 and 3-in., strong stock, \$5 per 100. Henry Smith, Grand Rapids, Mich.

Poinsettias, pans, 50c to \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Poinsettias, 2 1/2 and 3-in., \$5 per 100. Henry Smith, Grand Rapids, Mich.

PRIMULAS.

Primula obconica grandiflora, 4-in., \$10 per 100; 5 1/2-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5 1/2-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula malacoides, 2 1/2-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primroses, Chinese, Obconica alba, rosea, Kermesina, gigantea, 2 1/2-in. pots, \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, Ohio.

Primula Chinensis, 4-in., \$1.50 per doz.; 5-in., \$2. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, strong, 2 1/2-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primula obconica, in bloom, 5-in., \$3.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2 1/2-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER PRIVET.—The hardiest privet grown, 12 to 18 inch, \$2, per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blanches, Hermosa, White Cochet, Anna Muller, Ping Cochet, White La France, Clothilde Souper, Mme. Abel Chatnay, Climbing Meteor, Safran, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100, Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$2.50 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

We have over two hundred dormant bench-grown Maryland Roses, which we must move and will take \$10 for the lot. Addams, Morgan & Co., Paxton, Ill.

Roses, Baby Ramblers. For varieties and prices, see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

Erna Teschendorff, 4-in., pot plants, 35c each; \$3.50 per doz. Vaughan's Seed Store, Chicago and New York.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses, Uncle John and Kaiserin, 4-in., \$7 per 100. Henry Smith, Grand Rapids, Mich.

Roses. McHutchison & Co., 17 Murray St., New York.

Seeds, German flower seeds. Frederick Roeber, Quedlinburg, Germany.

Rose Lady Hillingdon, 2 1/2-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

KING GREENHOUSES.

WATCH
FOR
OUR
NEW

ADVERTISEMENTS FOR 1913 BUSINESS
THEY WILL BE WORTH WHILE.

Write for Information and Estimates.

KING CONSTRUCTION CO.

Home Office and Works
N. Tonawanda, N. Y.

New England Sales Office
7 Water St., Boston, Mass.

SEEDS.

SOW NOW if you want them for early spring sales.

	Pkts.	Pkts.
Begonia Bedding Queen, finest Pink.	\$2.50	\$0.50
Begonia Gracillous luminosa, finest red	2.50	.50
Begonia Triumph, finest white.	2.50	.50
O. V. Zangen,	Hoboken, N. J.	

Seed, Kentucky blue grass, 23 lbs. to a bushel, in lots of 100 lbs., \$9.50; 500 lbs., \$9.25; 1,000 lbs., \$9. De Giorgi Bros., Council Bluffs, Iowa.

Seed, cauliflower, white Tripoli onion and all other vegetable and flower seeds. Dammann & Co., San Giovanni A. Teduccio, near Naples, Italy.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2 1/2 in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 80c per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

Hardy English or Russian Violets, strong field-grown clumps, \$7 per 100. The Storrs & Harrison Co., Painesville, O.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

MISCELLANEOUS.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Coal, hard coal, chestnut, pea and buckwheat, No. 1, No. 2, No. 3, G. R. Clark, 124 Washington Ave., Scranton, Pa.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 602 Blackhawk St., Chicago.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS ^{APPROVED}
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

Hires Turner Glass Co.
Exclusively **GLASS** Exclusively
—FOR—
Greenhouse and Hotbed Sash.
Philadelphia, Pa. Rochester, N. Y. Washington, D. C.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Florists' supplies and wire designs. Joseph Ziska, 151-153 N. Wabash Ave., Chicago.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York; Jas. W. Erringer, western sales agent, 20 E. Randolph St., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilard Tile & Pottery Co., Mount Gilard, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214 22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

REFRIGERATORS.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

GREENHOUSES.

MATERIAL FURNISHED
AND

MEN TO SUPERINTEND
ERECTION IF DESIRED.

CYPRESS SASH BARS

ANY LENGTH UP TO 32 FT. OR LONGER.

THE J. L. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

ICELESS REFRIGERATING SYSTEMS—
Cleaner, better and cheaper than ice. Also
"HYGRADE" OAK AND TILE REFRIGERATORS
AND FIXTURES. Ask for Catalogue
"O." H. A. Born Company, 1040 Van Buren
St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet,
per 100, 85c; 500 for \$3; \$5.50 per 1,000.
Pipe Stems, about 6 feet; per 100, 60c; per
1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures.
Scranton Florist Supply Co., Scranton, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Printing - - Printing

PRINTING is an art just the same as the making of a wreath or any beautiful floral design. There is a vast difference in printing when that "last touch" is given by some one who knows how—and we "know."

**BILLHEADS
STATEMENTS
LETTERHEADS
ENVELOPES**

**SPECIAL SHIPPING LABELS
Gummed or Plain Backs
PRICE LISTS and CATALOGUES
TAGS and ORDER BLANKS**

Information and estimates given cheerfully and promptly. Send your copy and it will be returned.

GORHAM & CHAPLINE PRINTERY

542 South Dearborn Street

Telephone Harrison 6927

CHICAGO

COAL. COAL. COAL. Hard Coal!

I am able to supply the following sizes of coal to florists in most any locality:

**Chestnut, Pea and Buckwheat,
No. 1, No. 2 and No. 3.**

Communicate with me, if in need.

G. R. CLARK,

124 Washington Ave., SCRANTON, PA.

Preserve Cut Flowers in

BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.

518 Milwaukee Ave., CHICAGO, ILL.

GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.

CHICAGO, ILLINOIS

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use
by Florists, etc. The cost of
heating is only **TWO CENTS**
for **TWELVE HOURS CONTIN-**
UOUS HEAT.

Send for descriptive circular to

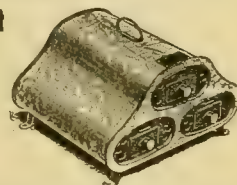
LEHMAN BROS., JAS. W. ERRINGER,

MANUFACTURERS,

10 Bond St., NEW YORK.

General Western Sales Agent,

20 E. Randolph St., CHICAGO



Mention the American Florist when writing

A "RED DEVIL" GLASS CUTTER WITH 6 WHEELS.



make and all hardware dealers sell. Just insist on
us fifteen 2-cent stamps and **one only** sample will be sent you postpaid.

"Red Devil" Staple Pullers are the most per-
fect Fence Tools made.)

Yes, it will cut 5,000 feet of any kind of glass. It
has a "Red Devil" hardwood handle that will not
tire the fingers. It is specially designed. Has 5
extra wheels in airtight chamber. A new wheel
always ready for use. It's one of the 38 styles we

**SMITH & HEMENWAY CO.,
215 Chambers St., N. Y., U. S. A.**

Mention the American Florist when writing

A. HERRMANN,

Cape Flowers, all colors, Cypas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing

Wired Toothpicks

10,000 \$1.75: 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sample free. For sale by dealers.

Aphine

*The Insecticide that
Kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and
bench fungi. Does not stain the foliage.
75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and germicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.
Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

"SUPERIOR"

**HOT WATER BOILERS
For Greenhouse Heating.**

Made in 9 Sizes.

**Superior Machine
and Boiler Works.**

846-848 W. Superior St.,
Chicago, Ill.

Flower Colors

Use our **COLOR CHART** in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO



YOU know nothing will take the place
of manure in the greenhouse. It is
bread and butter and beef steak to the flowers.
Wizard Brand is the best manure you
can use. Clean, concentrated, convenient,
pure manure and nothing else.

A wagon load of rough manure reduced to a 100
pound bag.

Better order ahead of the bad weather that is coming
and be prepared for emergencies.

Insist on **Wizard Brand**. Your supply house can
furnish it, or we will ship promptly.

The Pulverized Manure Company,
32 UNION STOCK YARDS, CHICAGO.

Mention the American Florist when writing



Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
an Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write
for our special offer to the American trade. Agents' circulars,
pamphlets, etc. to sole makers. Write for prices, etc.

Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.

Peerless Refrigerators

Built Exclusively for Florists
Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO

The
Fumigating
Kind
Tobacco
Powder

A
Success
for
30 Years

Kills
Aphis
\$3.00
The 100 lb.
Bag

The H. A. Stoothoff, Co.
Mount Vernon, N.Y.

Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

Mention the American Florist when writing



VENTILATING EQUIPMENT

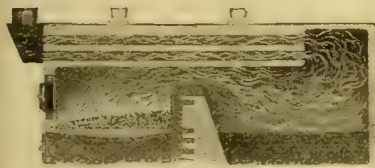
that is dependable and satisfactory is what you will need in your new greenhouse. A poor ventilating equipment is the worst thing a greenhouse can have. However, there is no reason why you should buy a poor equipment when the Advance can be secured, and for less money.

We positively guarantee our Advance Equipment to be perfect in every detail and to give entire satisfaction. What more could you ask? We have pleased thousands of others and we can please you. Give us a trial order and be convinced.

Do not fail to get our new catalogue. It illustrates and fully describes our ventilating apparatus and line of greenhouse fittings. We will mail you one free.

ADVANCE CO., : Richmond, Ind.

KROESCHELL BOILER



Made of Fire Box Flange Plate
Can Not Crack

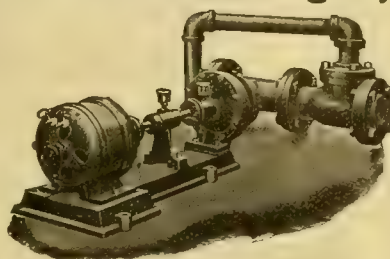
Water Space in Front, Sides and Back
The Most Popular Boiler Made

SEND FOR CATALOGUE

KROESCHELL BROS. CO.

452 W. ERIE STREET, CHICAGO

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Mention the American Florist when writing

\$400.00 Mr. Retailer

Will buy you an **Iron Frame Greenhouse** 14x25 feet complete, boiler and all, even the hose. You cannot afford to run your retail business without one of these houses. Well adapted to Show Room purposes.

Write us to-day for our proposition.

GEO. M. GARLAND CO.

Lock Box S.

DES PLAINES, ILL.

Mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

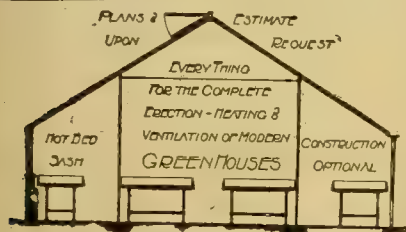
This is the British Trade Paper, being read weekly by all the horticultural trade; it is also taken by over 1000 of the best continental houses. Annual subscription, to cover cost of postage, 75c.

As the H. A. is a purely **trade medium**, applicants should, with the subscription, send a copy of their catalog or other evidence that they belong to the nursery or seed trade.

Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chillwell Nurseries, LOWDHAM, Notts, England



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St., CHICAGO

Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and **Special Shipping Labels**, also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing



Split Carnations

Easily Mended with

Pillsbury Carnation Staple

We find it very satisfactory.

J. L. DILLON.

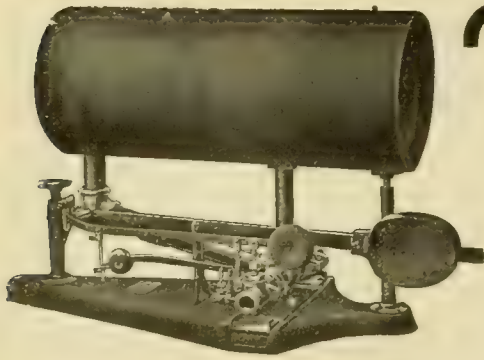
Can't get along without them.

J. L. JOHNSON.

2000 for \$1.00 postpaid.

I. L. PILLSBURY,

Galesburg, Ill.



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept., "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price **\$4.90**
4C12005, with arms, price, ... **\$5.65**
Special price made to dealers for quantity lots.
We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glass-ware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

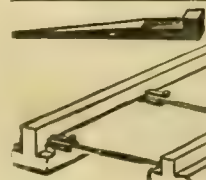
Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive ¾ and 1 inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00

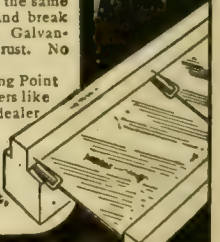
Vaughan's Seed Store
Chicago. New York.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2



Mention the American Florist when writing

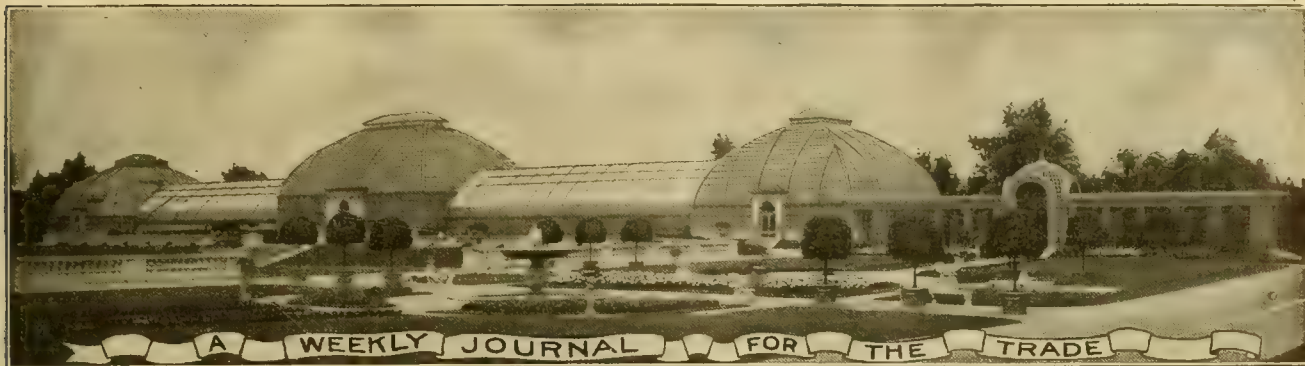
SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and 1 inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

The Early Advertisement Gets There



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, DECEMBER 21, 1912.

No. 1281

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST FÖEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary. 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR THE HOLIDAY TRADE.

Selling the Stock.

The plants and flowers for the holi-
day sales have been raised or procured
and upon their being properly sold and
delivered depends the success of all
the labor which has been expended.
Every dealer during the three days
before Christmas will do as much
business as is ordinarily done in a
month. It is therefore necessary that
this should be done in a systematic
manner in order that the business may
be successful. Poor business methods
at this time will often result in the
loss of some steady customers or pros-
pective business on account of the dis-
satisfaction that will result unless the
smallest details are looked after. The
question of help is one of the first
matters. It may be possible in some
places to procure extra efficient help,
but in the majority of cases the en-
tire selling will fall upon the regular
force. Where extra help is employed,
every plant and other article possible
should have a tag with the price
plainly marked, so that the salesman
can immediately tell the customers the
price, or much time will be lost by
running back and forth and inter-
rupting the proprietor with questions
regarding the value. The booking and
filing of orders must be strictly and
accurately attended to. The handling
of stock should receive the most care-
ful attention, and the manner of plac-
ing it before the customers is often
the making or losing of a sale. Many
salesmen will complete the sale of a
plant by properly showing it to the
customers. There is always a better
side to a plant and the salesman who
knows how will always keep this side
toward the customer's view, and a
plant always looks larger when placed
alone, so that taking it from the
bench or collection and setting by
itself will show it off much more ad-
vantageously. When a plant is sold
it should be immediately marked and
set aside, for it is poor business to
allow the customer to think that he
will not get the plant he has bought
or that the same plant may be sold to
another. The proprietor must keep a
watchful eye all the time upon the

salesmen and other employes and see
that every customer is properly served.
Many customers prefer to buy of the one
with whom they have always dealt, and
in this case extra help will sometimes
become insistent to wait upon them.
This should be guarded against, for if
the customer is willing to wait for the
one they prefer to have serve them it
is good business policy to see that their
wishes are gratified.

Packing and Wrapping.

So many of the flowers and plants
sold at Christmas are presents made
by one person to another that it is
necessary that great care should be
taken in having them packed and done
up safely and in a proper manner.
Nice boxes, well lined with paraffine
paper, are the first necessity in all up-
to-date stores. The arranging of the
cut flowers in the box should be done
in an artistic manner, for the first im-
pression on opening the box is very
lasting, and a well arranged box, even
of poorer stock, is preferable to one
containing the highest grade carelessly
put up. Under no circumstances for-
get the card. This has caused more
trouble and lost more good customers
than any one small detail, for it is a
piece of carelessness that cannot be
explained and is not easily forgiven.
A sprig of mistletoe or a spray of
holly placed on the top of the flowers
is always appreciated, and a pansy or
one or two violets or other small
flowers tied on the card with a gold
cord or baby ribbon is very attrac-
tive and made a great feature by
many progressive dealers. The box
should be wrapped in enough thick-
nesses of paper to insure its delivery
safe from frost. There is nothing
more unsatisfactory than to receive a
box of cut flowers in a frozen condi-
tion or to hear that the present ar-
rived in that shape. This is easily
guarded against and a thing that
should never occur. Above all things,
do not ship any flowers that are not
fresh. As a rule, the customers have
paid good prices and are entitled to
first-class stock, and it is nothing

Index to Advertisers,
Page 1316

Ready Reference Advt.,
Page 1317

Help and Situations Wanted,
Advertisements,
Page 1281

to take their money worthless goods. They should be wrapped neatly with paper enough to be sure that they will not be touched by frost. A little practice, with care, will soon teach one how to do this and make a neat package. Too often plants are so carelessly wrapped that they make a disgraceful package when left at the door. Six to eight thicknesses of newspaper, with a clean, plain paper outside, are none too much during the cool weather and more if the temperature is at all low. The dealer must remember that most of the plants brought into flower for the holidays are grown in a very warm temperature and chill easily. Plants with flowers that are easily bruised should be first wrapped with a sheet of cotton batting before being wrapped with paper. The delivery boys should be cautioned not to place the plants on the frozen ground or snow. Many fine plants are ruined by this thoughtless act of the men or boys delivering them. These small details are necessary and should be carefully watched during the holiday trade.

Business Systems.

During the holiday rush it is necessary that some system should be adopted that will be sure to fulfill the wants of the customer. While the business in small places may be carried on during much of the year depending a great deal on the memory of those in charge, at this time this should not be attempted, but everything written down and so placed that any one of the force can immediately find it. One of the best methods that has come to our attention is adopted by many stores, the details being changed more or less to suit the proprietor's fancy. A supply of large envelopes is secured, and when an order is received and properly written on the order blank, it is passed to one who has charge of this work, and the order copied in the order book. It is best to have a book for each day. The order is then placed in one of the envelopes, with the tag with the address written thereon, and if there is a card or a ribbon to be used with the order this is also placed in the envelope. These envelopes are then placed in a pigeon-hole or hung on a hook that is labeled for the day of delivery. Any order that is to be delivered at a special hour should have a distinguishing mark that will surely attract the attention of the one that is to put the order up or the one who has charge of the delivery. This system can be so modified as to be applied to a small or large business and will result in rectifying many mistakes that are often made during this busy season. These envelopes can be handed to those who put up the flowers or wrap the plants. The matter of delivery should also be systematized, and one should be placed in charge of this important part. Unless this is done the delivery will be very expensive. The placing together of all packages going in the same direction when wrapped will save many journeys and facilitate the work.

NEW HARTFORD, N. Y.—A new horticultural society was organized here December 6. Officers elected were: F. Wright, of this city, president; Charles W. Bushinger, vice-president; H. S. Weaver, New York Mills, secretary; B. D. Leonard, treasurer.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Suggestions for Christmas Dinners.

A dwarf araucaria covered with silver to imitate Jack Frost and surrounded with American Beauty roses will be attractive. A frosting powder should be used for this silver effect. Use holly in with the American Beauties peeping out here and there. Silver candlesticks with holly and berry shades will combine excellently. Place around these candlesticks small fancy baskets filled with growing ferns which will answer for favors. On the araucaria tiny electric lights covered with red catgut can be prettily arranged. If red is not desired yellow chrysanthemums can be used in this arrangement most effectively. A folded silk drape can be used down the middle of the table, using yellow candle shades. A fringe of holly will do for the edge of the scarf. Scatter it where necessary.

A yule log can be artistically arranged with holly and mistletoe, or made entirely of holly, using the frosted effect with a spray of mistletoe looking as if it had accidentally fallen upon it. Use ferns as a finish. Make a border of holly for the edge of the table, finishing it at ends, with red satin ribbon in which a cluster of berries has been added. Little artificial Colonial trees can be made for souvenirs, placing them in a small yule log arrangement in place of the tub or vase effect. The rough bark will be most effective. A boat of good

size of the row-boat design, filled with red chrysanthemums, and with the oars of red berries, is novel and is most striking when artistically carried out. This should be resting on a beveled mirror around which a garland of mistletoe has been arranged.

As a finish for a green effect over the table use maidenhair fern. Holly will also look pretty in place of the mistletoe. Or, even the berries and if sameness is desired the red chrysanthemum as used in the center. A small silk flag which should be white could have "A Merrie Xmas" in red on it and should be placed advantageously at either end of the row boat. A bed of shaded red and green leaves raised in the center to a mound which a glistening wreath of red berries has been arranged and in the center of which has been placed a silver lamp with square rose-colored shade is effective. Chrysanthemums will also be attractive. Poinsettias will be most attractive in the center of this mound in place of the lamp.

A novelty would be an Eifel Tower made of holly and mistletoe with robins peeping through and arches of holly and mistletoe. Green leaves can be made into crescents. The small glass Siamese flower troughs used as a succession of miniature fish globes fastened together and filled with red berries is effective around this centerpiece. Of course, any of the small flower troughs can be prettily arranged, as they come in various shapes and can be secured in nearly all the large stores handling fancy glassware for the table. Use straw glasses filled with roses for favors. An odd center-



CHRISTMAS BASKET.

Begonia Gloire de Lorraine and Dracena Terminalis at John F. Muir's, Chicago.

piece can be arranged with a mirror on which a block of ice is placed covered with holly. Garland around this mistletoe and frost it with silver. In connection with this use the tall black wrought iron candlestick with a spiral base and red candles but no shades. These new style candlesticks have a sort of lily shaped bowl to hold the candle and will lend a pretty contrast. Chrysanthemum and croton leaves make a happy combination for the yuletide functions.

For a fancy table suggestion Cupid holding a large berry ball crowned with mistletoe and tiny ladders made of red berries standing up against the ball and tiny Cupids arranged in a rich garland of holly is pretty. Again, a miniature Christmas tree placed on a mirror in the center and surrounded with large flakes of soft cotton in unequal lengths to imitate a snowdrift is excellent when arranged with holly and berries and frosted. The berries and holly should not be frosted, simply the cotton and miniature tree which should have tiny electric lights. Instead of the tree a glass boat can be prettily filled with berries or red roses. Or the entire floral sleigh can be made for red berries or red carnations.

A. E. K.

THE ROSE.

The Holiday Trade.

We have only a few more days before the Christmas rush and bustle, yet in this limited time there may be some details that have been overlooked that can be straightened out in time to have everything go along without a hitch, and perhaps the following suggestions would be timely. In the first place, one should have on hand a variety of cut flower boxes of all sizes, selecting the most up-to-date and attractive goods for the holiday trade. A little good taste displayed in this respect may go a long way towards making a new customer a permanent one.

By all means see to it that all packages are wrapped safely, carefully, neatly and delivered promptly. The boxes should be prepared beforehand, lined with wax paper and the lids replaced, and placed conveniently near the cut flower counters. Attractive tags and gummed labels should be placed within reach also. In fact, everything should be handled systematically.

Don't forget the important fact that one should be courteous and painstaking in showing one's stock, also to try to fill all orders taken. In order to do this a careful count of the cut must be taken daily. That is, of what is on hand and if one goes through the rose range and makes a very careful inventory one can usually keep within a safe limit in filling the orders. It is very embarrassing to face one or several indignant customers who having placed orders in plenty of time failed to get what they ordered. Competition is close, very, very close, these days, and we must simply get right down to business, make business and hold it.

This brings us face to face with another very important matter—that of filling our orders, big or little, with good, fresh stock. Last Christmas, also at Easter, the writer saw a great



CHRISTMAS BASKET.

Cattleya and Bougainvilleas in Handle Basket, Arranged by Geo. M. Stumpp, New York.

amount of wasted stock thrown out. It was all stuff that had been held for a week or longer to catch a better price the day before Christmas. Much of this stock must have been exceptionally good when cut, and if we repeat the advice given in these columns many times it is only for the welfare of the business at large. Then we advise shipping daily and by all means giving the commission or store man something he can cheerfully and conscientiously deliver to a customer.

If your heavy cut should come a little before or after the holidays don't grumble. Remember we are in the clutches of the weather man more or less, and if we have a small range of glass, (as is often suggested and advocated in these columns) it is far better to avoid cropping by pinching frequently—thereby getting a rather continuous cut—than to try to pull off the whole thing for the big show. Even the "big fellows" slip up now and then on turning a crop, not necessarily from poor management but owing to advancing or retarding weather.

Another important matter is the handling of stock, taking care of the cuts. A good well ventilated cellar that can be kept dry and cool at a temperature of 45°, or an ice box, is what is needed. Also plenty of jars

of various sizes. The surroundings and the jars should be kept fresh and clean with plenty of fresh water daily, and the stock should be gone over carefully every day and if the water is changed every other day at this season there will be no trouble from the water if clean jars are used.

Have your stock where it can be shown to a customer. It isn't necessary to have more than a jar of each grade, say a dozen or so to a jar, so they can be lifted out if necessary to show the length of stem, etc. We may add that the wholesale end of the job should be taken care of by having good shipping boxes, plenty of cotton sheeting and newspapers for protection, labeled plainly and tied securely. Be sure to pack everything so the contents cannot shift in the cases, for the express men are a busy lot these days and must handle an increased quantity of all kinds of merchandise, so perhaps the flowers will get a few extra thumps and bumps for good measure.

Now just one more little reminder. Are you going to do any grafting this winter? If so and you haven't ordered your manetti stocks get right after them. Last season the supply was away below the demand and at this writing there are some recent shipments and some early arrivals of good English or Irish stock, the best

and only ones to handle, we think, for indoor forcing.

Get them potted off as soon as possible and place in a cool house, 45° to 50°, until root action begins. We have had excellent results from plants placed on a good firm layer of ashes under carnation benches. Syringe the tops daily, and water evenly, keeping them fairly moist but not soggy at the roots. They will be ready to work when the little white feeders or root-tips show and the eyes plump up. Remember the tops should not be allowed to start a growth as in order to get a good strike the scion should receive the first rush of top. A few more suggestions in reference to grafting will be given in our next article.

E.

CHRYSANTHEMUMS

Review of the Season.

It is important at this time, while the results of the season are still fresh in our minds, that we take a review of what was accomplished with the several varieties, both from a commercial and exhibition standpoint. Referring to the results commercially, nearly everyone seems to be satisfied and some growers have expressed themselves as its being the best season they have had for several years. As regards the behavior of the varieties it can be said to have been a peculiar season. The early varieties were later to bloom than their usual season, and the late varieties considerably ahead of time.

In the middle west the demand was fully equal to the supply during October. In the early part of the month there was not enough of the right kind of stock to meet the call. The prices were lowest November 1-15, which was the only time that there was a glut on the market if it could be called such, and it looked as if the vast quantity of pompons and singles that were in at that time cut down the call for the large blooms to some extent. Also the absence of the fall shows in some of the large western cities which have been accustomed to having a show at this time without a doubt can be said to account for the reason of some of the surplus during early November.

There was a large number of the very early varieties Golden Glow and Smith's Advance grown, but they were not very good property before October 1, and it would seem that the best way to handle these varieties is to have them mature September 15 or a little later, while the asters are on the wane. Polly Rose and October Frost are still more largely grown than any other whites for early October and I suppose there was more Pacific Supreme than any other pink at this time, though a number of growers raised quite a number of Gloria, and the new variety Unaka made a number of friends and it will be more largely grown next season.

Chrysolora, among the early yellows, overshadowed every other variety and is one that has given great satisfaction and is very much sought after, and we need another of the same class, together with a white to follow it in season. The variety Ramapo has been mentioned as a fine yellow but we are not yet well enough acquainted with it to speak of its merits. Col. D. Apple-

ton was seen as fine as ever in some instances, but it appears to be going the way of many another good old variety and is less grown each year. Vast quantities of Major Bonaffon were grown and the quantity of this old timer seems to increase with each year. White and Yellow Eaton were supreme in their season and there was the usual quantity of White and Yellow Chadwick.

Among the new varieties of 1912 we have heard considerable mention of Smith's Sensation as a commercial variety, and it will be planted in increased quantity next season. It is certainly a very striking variety. As a pure toned red or crimson Harvard is hard to beat. It is not up to the exhibition standard as to size but its color is bound to make it a winner. The first year's trials of the exhibition varieties can hardly be taken as a fair test because they are not purchased in any quantity and also are not very widely distributed. It may be said that they cannot show their full qualities until the second season. Wm. Turner seems to have been the one above all others upon which the greatest energy was bestowed and it certainly responded nobly. Harry E. Converse is another that was well to the front and is a variety that should be among the leaders for several seasons. Mrs. David Syme did also exceptionally well in some places and if grown carefully it will have commercial qualities as fancy blooms.

Now that the season is over the stock plants should receive attention. They require a light, cool, airy place and should be kept a little on the dry side. It is a mistake to expect that they will produce a liberal quantity of healthy cuttings if the plants are crowded together in boxes and set underneath benches where they get the drip from the watering of the plants above. The stools can be closed up together to

some extent but they should be given plenty of light and kept cool and a sharp lookout made to keep down the aphids.

C. W. JOHNSON.

Characteristics Affecting Propagation.

Everyone who has had the opportunity of viewing a large collection of chrysanthemums, such as may be seen at many of the city parks, is impressed with the wonderful diversity in color and form. The casual observer gives little thought to as great a variation existing in their growth. In our last installment we referred to the manner in which the old plants produce cuttings, some making long, strong rhizomes, and if such are strong free growers there is hardly a limit to the number that may be propagated. Nacem Bey and Harvard are of this class. Some kinds making strong rhizomes or underground stems are inclined to be slow producers early in the season. Brutus and Mrs. J. Jones and its sports are examples. There are other varieties which produce their cuttings from the old trunk or stem of the plant and some of these make rapid growth while others are reluctant. The accompanying illustration shows the marked difference in vigor and productiveness of stock plants.

There is also wonderful contrast in the susceptibility of cuttings making roots. Some kinds, Golden Glow for instance, when in fine condition and with congenial surroundings will show roots in a week, while there are those that require from three to four weeks. There are a few that have come under our observation so difficult as to be valueless to the propagator. It costs twenty times as much to increase some sorts as others and there is no doubt some are offered at prices less than they can be produced for.

Productiveness is the factor which must be considered in establishing the



CHRYSANTHEMUM STOCK PLANT CHARACTERISTICS.

price and those interested in the disposition of plants and cuttings should give this important feature careful consideration. It is quite common to see novelties offered the second year at prices much too low for a legitimate profit to the producer and often only a small portion of the orders can be executed owing to propagation difficulties, much to the exasperation of the customer and the dismay of the distributor.

ELMER D. SMITH.

It is not, however, with these easily accountable cases that we desire to deal, but with cases where normal self-fertilization may be reasonably assumed, and yet in which the progeny are of the more diversified character. The comparatively recent introduction of a new strain of *Polystichum aculeatum*, known as the "gracillimum" type is a case in point. We commence here with a wild plant of *P. aculeatum*, found in a Dorsetshire hedge as a huge specimen. Instead of the robust,

ing minute tassels. So unique a form was naturally greatly prized, but despite robust growth and a marked tendency to produce lateral offsets, which enabled it in time to be widely distributed, some forty years elapsed before any spores were discovered.

In view, however of recent experience since that discovery, it appears probable that the supposed barrenness was really due to the fact that it bore no obvious spores or spore-heaps accompanied by an indusium or spore cover, but only produced sporangia or spore capsules in twos or threes on the very edges of the subdivisions, and these only here and there on very robustly-grown specimens. Hence they escaped observation, and were eventually only discovered with the aid of a lens. Since, however, the sporangia were well developed and each contained the normal number of spores, some thirty or forty each, the first batch discovered yielded considerably over a hundred plants, which it was anticipated would yield as many specimens of the parental type. As they developed, however, it was soon seen that a number of them were extremely unlike the rest, the little fronds bearing almost thread-like subdivisions, and these being separated and specially tended, eventually produced some thirty plants of the most remarkable type.

The normal sized half-inch pinnules grew in many cases to over two inches in length, very slender and lineal until near the tip, where they expanded into a fan-like arrangement of points. The most unusual feature, however, was that, while the parental pinnae were widest near the midrib of the frond and narrowed regularly, as we have seen, to a slender point, the pinnae here were narrow near the midrib, and the linear pinnules grew longer and longer as they approached the terminal, which consisted of a long serrated tongue with an expanded fan-like end. These fan-shaped tips, though tassel-like, appeared to consist of short pinnuloid extensions rather than crests proper, and were evidently extensions of the parental tendency to tip expansion. Of the very long hair-like growths, and their lengthening in the reverse direction to the normal, the



ORCHID EXHIBIT BY JOHN C. CARBONE AT THE SAN FRANCISCO SHOW.

Winner of Second Prize.

Fern Spore Variation.

To those who devote their careful attention to the raising of varietal ferns from spores, phenomena are frequently presented of a very puzzling nature, and which certainly merit record, since it is only by the accumulation of such records that any laws underlying these apparently erratic phenomena can ever be discovered. That spores or seeds from variable plants, possibly of mixed origin, should give rise to diverse progeny appears natural enough, says a correspondent of *London Gardeners' Magazine*, hence in the case of seeds, cross-fertilization is the rule rather than the exception, and therefore the offspring are naturally the outcome of a sort of compromise between diverse parental influences, with the result that adjustment of the diverse potencies occurs in different degrees.

With the fern spore the case is rather different. From the nature of the prothallus, or small green scale, produced by the spore prior to the development of the sexual apparatus beneath the scale, self-fertilization must be the rule and crossing the exception, the homologues of the pollen grain, and the incipient ovule being so close together, and the process of fertilization of the one by the other so dependent upon the presence of a minute drop of water which forms the conveying medium, that any other mode of conveyance which can bridge the gap between one prothallus and another is almost precluded. Nevertheless, it has been abundantly demonstrated that such transference does occur, since a number of easily recognizable crosses between diverse types are well known to exist.

somewhat dense, normal form of the species, it was of much slenderer make, the secondary pinnules of the fronds being much smaller and further apart, and the primary ones or pinnae running out into very slender terminals. The fronds, much longer than the normal ones, terminated uniquely by the pinnae curving inwards, and overlapping the midrib, the tip finally extending very slenderly to match those of the subdivisions. Finally, the tips of both fronds and pinnae showed a tendency to expand fan-like, suggest-



PACIFIC COAST HORTICULTURAL SOCIETY.

A Few of the San Francisco Show Prize Winners. Chrysanthemums Exhibited by Shibuya & Ishida

parent form did not betray the slightest sign. Although all but one of the thirty plants were singularly alike, there were marked individual differences in the ultimate development of their growth.

The exception, named "plumosum" (Green), assumed a beautiful decomposite development, since instead of the long pinnules, the pinnæ divided and sub-divided on feathery lines, the fronds were broader and more imbricate in growth, and hence quite distinct. Of the remaining seedlings a good percentage reproduced the parental form exactly, while the balance presented several grades of reversion.



Wm. C. Barry.

President Western New York Hort. Society.

some presenting the broad, stalkless pinnules of *aculeatum*, while several, strange to say, had unmistakably the plainly stalked pinnules of *P. angulare*. This naturally suggests the idea that the original wild find of *P. aculeatum pulcherrimum*, as the plant was named, owing to its exceptional beauty, was and is a hybrid between the two.

On sowing, however, by way of test, from one of the reversions which most nearly approached *P. angulare*, nothing but a batch of unmistakably *aculeatum*s resulted, though Mr. Cranfield reports that one *gracillimum* occurred in his sowing, showing that the sportive tendency in that direction had been inherited. No variation at all occurred in the writer's batch. A peculiar feature in this case is the sharp line drawn between the *gracillimum*s and the rest, only one plant appearing, which we named *dimorphum*, and which resembled the parent strongly, but in which the lengthening tendency of the sub-divisions showed itself erratically in some of the fronds, hence the name.

A second batch raised from the spores of another season, discovered in some quantity on another plant, but, of course, a division of the original, hence practically the same, yielded very similar results, but on a larger scale. In the progeny, however, which inherited the true *pulcherrimum* character, a number showed very little of this until planted out, when the coarser set of first fronds was followed by fronds of even improved *pulcherrimum*

type, which, at the time of writing, promise to become very handsome indeed, seemingly as a sort of afterthought on their part, since they began very unpromisingly as apparent reversions.

We have here consequently a case in which the spores from one and the same symmetrical and constant plant are endowed with the faculty of producing several quite distinct types, and in fairly definite ratios since the proportions in which the *gracillimum*, *pulcherrimum*, and *reversional* types occur are about the same with both sowings, with *plumosum* thrown in as a fourth, though solitary, exception. None of the reversions showed the faintest trace of the characters of the rest; all the sections stood clearly apart. Even the theory of a hybrid origin of the parent, which is by no means established, affords no explanation, since *P. angulare*, the possible other parent, has yielded no sport on similar lines except perhaps *plumosum*, and in any case a wild hybrid, is little likely to be other than a normal form as would also presumably be the *P. aculeatum* concerned in the cross.



John Hall.

Sec. Treas. Western New York Hort. Society.

Western New York Horticultural Society.

FORTY-EIGHTH ANNUAL MEETING.

The high place the Barry family of Rochester, N. Y., fills in the horticultural world and the personal popularity of its members were further attested at the forty-eighth annual meeting of the Western New York Horticultural Society at Rochester, December 11-13. At this meeting William C. Barry, of the Ellwanger & Barry Nursery Co., was elected the society's president for the twenty-third successive time. His father, the late Patrick Barry, had served in the same capacity for a period of thirty years immediately preceding, which makes fifty-two years the presidency has been in one family. Patrick Barry became president in 1860 and held the office until his death, 1890, when his son succeeded. A year before his death the elder Mr. Barry donated the sum of \$2,000 to promote the objects of the society and much of the good work accomplished has been made possible by this donation.

Among the other veterans of this organization is John Hall, also of Rochester, who has served as secretary and treasurer for twenty-three years and was again elected at the meeting. The vice-presidents will be: E. Van Alstyne, Kinderhook; C. R. White, Iona; Floyd S. Tenny, Hilton; S. J. Bush, Morton; Samuel Fraser, Geneseo; T. B. Wilson, Hall. The executive committee is composed of the following: A. L. Whitbeck,odus; M. C. Burritt, New York; Arthur Simmons, Walker; H. S. Wiley, Cayuga; R. G. Phillips, Rochester.

The meeting was one of the best in the history of the society and was well attended. In his opening address President Barry reviewed the history of the society and spoke enthusiastically of the future. "In going over our work during this long period," said Mr. Barry, "I think I can safely say that we have progressed most satisfactorily and that the results obtained will show unmistakably that our labors have not been in vain. It is true we have done things rather quietly, without fuss or splurge, with little advertising, and yet we have made real and substantial gains, as the prosperous condition of our membership indicates.

"However, I will admit that we have erred and erred seriously in failing to advertise and draw attention publicly to the superiority of our products. I am sorry to make an admission of this kind, but, realizing our mistakes, we should at once take steps to correct them."

Mr. Barry went on and detailed the necessity for an advertising bureau and then took up the question of fruit growing itself. He advocated thinning as a necessity when the crop is abundant and said that proper care of the



Prof. L. H. Bailey.

Prominent in Western New York Horticulture.

young trees for the first few years would reduce the time of waiting for the fruiting period materially.

Other speakers on the programme considered the subject from all angles and much valuable discussion of the entire horticultural profession was engaged in. Among those on the programme were: Prof. Liberty Hyde Bailey, of Cornell; Prof. P. J. Parrott, of the New York Experimental Station; F. H. Farrand, past president of the Michigan State Horticultural So-



Wm. H. Siebrecht.

President-Elect New York Florists' Club.

ciety; D. L. L. Van Slype, chemist of the New Work Experimental Station; Edward N. Loomis, president of the International Apple Shippers' Association, and others. A medal was awarded to Charles C. Hooper, Rochester, for a new currant and another to John Carlton for a grape named after its developer.

PEOPLE WE KNOW.

William H. Siebrecht.

William H. Siebrecht, president-elect of the New York Florists' Club, has been a member since its organization 25 years ago. Mr. Siebrecht is a man of high character and business standing and no better selection could have been made for a year that will be memorable for the great event of the International Flower Show. Of the specialists who supply the cut flower markets of New York none is better known than Mr. Siebrecht, whose range is located at Astoria, now a part of greater New York. In lily of the valley, *Lilium longiflorum* and other varieties, as well as narcissi, tulips, hyacinths and minor stocks, Mr. Siebrecht has established a great reputation as a grower. His range is noted not so much for its size, there being less than 50,000 square feet of glass, as for the great amount of good cut stock which he is constantly shipping to market. He has a good supply of white lilies all the year round.

Speaking not long ago of the vicissitudes of the cut flower trade and bulb growing in general, Mr. Siebrecht said: "If growers would rely on their own experience, observations and judgment in the matter of buying bulbs, instead of allowing themselves to be influenced by the importers, it would be much better for the trade." At this range there are a number of houses devoted exclusively to lily of the valley forcing. A bench is filled with four to five inches of coarse sand and the pips are placed in rows across the bed, the rows being about three inches apart. The beds are covered with cheese cloth, stretched on light frames for convenience in handling. In addition

newspapers are spread over the pips when they are first placed in the sand. There is an extensive cold storage house for pips and bulbs and Mr. Siebrecht is probably the pioneer grower of this country in the matter of erecting modern cooling appliances in connection with a greenhouse range. With every convenience at hand and by careful and painstaking methods, he is able to keep up a constant supply of good flowers.

Mr. Siebrecht was born in Germany and learned the business there. He is now within a few days of 60 years of age. He came to this country when quite young and located at Astoria. In 1876 he started in business for himself and has always made lily of the valley a leading specialty. He is a life member of the Society of American Florists and other organizations for the betterment of the craft. He is married and has four children.



John Miesem.

Trustee-Elect New York Florists' Club.

In the last few years he has practically turned over the Astoria range to his sons and has bought land, erected greenhouses and made his home at Chappaqua, N. Y., though he makes frequent visits to the Astoria range. One of his sons is a successful lawyer. Others are active in the cut flower business.

John Donaldson.

John Donaldson, vice-president elect of the New York Florists' Club, was born in Banffshire, Scotland, 57 years ago. He served his apprenticeship at Duff House, which is on the estate of the Duke of Fife, who is closely related to the royal family of England. After leaving this place he worked for a time at Vogrie House, near Edinburgh, and from there went to York-shire, England, where he worked for a time on a large private estate. Mr. Donaldson was for a time employed at the Veitch Nurseries, London. He was later in the horticultural department of the Zoological Gardens, Regent Park, London.

Mr. Donaldson left London for New York in February, 1893. On his arrival in this country he worked for a time with Wm. Wilson, then a well-known grower of Astoria, L. I. After leaving Mr. Wilson Mr. Donaldson entered the employ of T. Burroughs Hyatt, who was then starting a commercial cut flower business, and remained with him for six years. He left Mr. Hyatt 23 years ago to go into business for himself at his present location, Elmhurst, L. I. In Scotland and England his experience had been very largely along the lines of fruit growing under glass. Here he has been very successful as a grower of cut flowers, carnations and lilies being, at present, his specialties.

He was one of the organizers of the New York Cut Flower Exchange, being now its president, and was its secretary for 14 years. He was married 25 years ago to Jane Henry, also a native of Banffshire. They are the parents of two children, two others having died. Alexander is associated with his father in the business. Ethel is a comely lass of sixteen.

Mr. Donaldson has been a member of the S. A. F. since the year of its organization and a member of the New York Florists' Club since 1890. He is also a member of the Masonic order, of the B. P. O. E. and of the Order of the Scottish Clans. He is a member of the Astoria bowling team and one of its best bowlers. He was reared a Presbyterian of the old school.

A. F. F.



John Donaldson.

Vice-President-Elect New York Florists' Club.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for the holiday trade.....	1273
—Selling stock.....	1273
—Packing and wrapping.....	1273
—Business systems.....	1274
The retail trade (illus.).....	1274
—Suggestions for Christmas dinners.....	1274
The rose.....	1275
—The holiday trade.....	1275
Chrysanthemums.....	1276
—Review of the season.....	1276
—Characteristics affecting propagation (illus.).....	1276
Fern spore variation.....	1277
Orchid exhibit by John C. Carbone (illus.).....	1277
Pacific Coast Horticultural Society (illus.).....	1277
Western New York Horticultural Society.....	1278
—Wm. C. Barry (portrait).....	1278
—John Hall (portrait).....	1278
—Prof. L. H. Bailey (portrait).....	1278
People we know.....	1279
—William H. Siebrecht (portrait).....	1279
—John Donaldson (portrait).....	1279
—John Miesem (portrait).....	1279
Washington.....	1282
Pittsburg.....	1282
Cincinnati.....	1282
Cleveland.....	1283
Chicago.....	1284
St. Louis.....	1282
Nashville, Tenn.....	1293
Boston.....	1293
Columbus, O.....	1294
Oklahoma City.....	1294
Southern Horticultural Society.....	1280
Mistletoe gatherer breaks neck.....	1280
New York decorations forbidden.....	1280
Palmer secures verdict.....	1280
Russian Horticultural exposition.....	1280
Minneapolis, Minn.....	1280
Lancaster Club's visit.....	1281
Montreal notes.....	1280
Philadelphia.....	1296
New York.....	1298
Westchester and Fairfield Hort. Society.....	1300
Nassau County Horticultural Society.....	1304
Rochester, N. Y.....	1306
The seed trade.....	1306
—Hunkel company expanding.....	1306
—Chr. Olsen, Odense, Denmark (portrait).....	1306
Catalogues received.....	1310
Market gardeners.....	1310
—Prices of indoor fruits and vegetables.....	1310
The nursery trade.....	1312
—Chestnut bark disease.....	1312
—Arboretum at Kenyon College.....	1312
Albany, N. Y.....	1314

CHRISTMAS.

On account of Christmas, next week's issue will go to press Tuesday, December 24, one day earlier than usual and advertisers and correspondents will therefore favor us by mailing their copy as early as possible.

RENEW subscriptions promptly so that no copies of the paper may be missed.

ONE grower of gladiolus bulbs of new kinds claims to have made over \$18,000 off four and one-half acres of ground.

"SUBSCRIBER" and others will note that communications unaccompanied by the names and addresses of writers receive no attention.

GOOD crops and brisk demand help materially to make Christmas joyful to florists. We therefore hope all of our patrons may have plenty of business during the holidays and willing hands with ample stocks to do it.

American Gladiolus Society.

REGISTRATION DEPARTMENT.

Notice is hereby given that the name of gladiolus Dawn (Childs) listed for several years by John Lewis Childs, Floral Park, N. Y., has been changed to Dawnray. This change has been made voluntarily by Mr. Childs to accelerate the work of the nomenclature committee.

L. MERTON GAGE, Sec'y.

South Natick, Mass., December 13, 1912.

Mistletoe Gatherer Breaks Neck.

Anadarko, Okla.—While gathering mistletoe from the high branches of a tree, Charles O. Boyle slipped, and a rope that he intended to use to suspend himself from the limbs became entwined about him, breaking his neck.

New York Decorations Forbidden.

Many of the familiar Christmas decorations which have been used for generations will disappear this year as the result of a decision by the New York board of fire underwriters. A letter is to be sent to every holder of a fire insurance policy in the city which forbids their use.

Palmer Secures Verdict.

Justice Marcus recently directed a jury in supreme court to find in favor of the plaintiff in the suit of William J. Palmer of Buffalo, N. Y., against the state department of agriculture. The florist asked for an appraisal of certain plants destroyed by that department because they were affected, it was alleged, with moths.

Russian Horticultural Exposition.

The International Horticultural Exposition, to be held in St. Petersburg, Russia, in April, 1913, will consist of the following sections: Flower culture; decorative horticulture; hothouse plants and outdoor plants; pomology; fresh and preserved fruits; vegetables; preservation and use of fruit and vegetables; grains; bee culture; silk worm culture; house plants; scientific section; scholastic section; tools instruments; and material for horticulture; floral art; and a commercial section.

There is to be a series of awards for each exhibit, the most important of which are to be presented by the emperor. This exposition is being arranged to commemorate the 300th anniversary of the reign of the Romanoff dynasty.

Minneapolis, Minn.

At the December meeting of The Minneapolis Florists' Club Theodore Wirth was appointed by President W. D. Desmond chairman of the executive committee for the coming convention of the S. A. F. to be held here next August. As Mr. Wirth is vice-president of the S. A. F., the selection of his committee was left to his choice, resulting in the following members being appointed:

Theodore Wirth, chairman; Hugh Will, C. N. Ruedlinger, W. D. Desmond, C. F. Rice. The first meeting was held Tuesday evening at 8 p. m. at Mr. Wirth's residence and subsidiary committees were appointed. Another meeting is called for Sunday evening, 7:30 p. m., at the same place and this meeting will find a big headway made for the caring of this coming event.

C. F. RICE,

Sec'y Executive Committee.

Lancaster Club's Visit.

The Lancaster County Florists' Club made its first official visit to Manheim November 30.

Those who went from Lancaster were: Rudolph Nagle, Harry Rohrer, Lemon Landis, Albert M. Herr, Abraham Rohrer, F. Spinner, D. D. Shultz, Jacob Fleer and Frank Bachler. Out-of-town members of the party included B. J. Wiggins, New York; W. R. Denlinger, Vintage; Amos Rohrer, Strasburg; H. B. Weaver, Bird in Hand; Elmer Weaver, Rancks; James Brown, Coatsville; John Toland, Sadsburyville; Henry Ginder and Benj. Wike.

The first call was made at the establishment of Munroe H. Hostetter, the second at Phares Hostetter's, and the third at E. P. Hostetter's. They all grow sweet peas, snapdragons, carnations and baby primroses for the wholesale market. The quality of the stock is high. At E. P. Hostetter's, the largest of the three places, the smallest house being 200 feet long, there were three houses of sprenger, one of plumosus and one of mignonette, the rest of the place being devoted to sweet peas, snapdragons, carnations and baby primroses. His 400-foot King Construction house was an eye opener to some of the visitors.

While here we were given a surprise in the shape of a very fine lunch given by the three Hostetters and their wives, who were assisted by Mrs. Burkholder and Miss Flory.

ALBERT M. HERR.

Montreal.

FLOWERS VERY SCARCE.

Cut flowers are very scarce, most of all carnations, which already have advanced to Christmas prices. Business is very good and the demand great with a small supply. This applies to cut flowers only. Plants always can be had here with the possible exception of palms. Plants for the holiday trade are fairly plentiful. Azaleas are early this year. There are some splendid cyclamen which should bring good prices. Poinsettias are not so tall but are of better quality than last year. Lorraine and Cincinnati begonias are perfect, and with all the usual line of plants looking fine there ought to be no shortage in this branch of the trade. Some of the holiday advance greens have arrived and are looking fine.

NOTES.

The Montreal Gardeners and Florists' Club held its annual meeting last Monday night. There was the smallest attendance within years. G. A. Robinson, who had been judge of the Toronto exhibition, related his impressions of the show. All cut flowers were good and the best seen anywhere. It was a good show all through with a record attendance. The election of officers resulted as follows: E. J. Hayward, president; H. J. Eddy, first vice-president; W. S. Watts, second vice-president; W. H. Horobin, secretary-treasurer; Julius Luck, assistant. D. McDonald, J. Travis, W. U. Cotter, T. Gillespie, Geo. Pascoe, W. McCulloch, committeemen.

The executive committee of the Montreal Horticultural Society met to consider the nomination of a president and vice-president, both of which the society lost by death within one month. D. Lorne McGibbon and Forbes Angus were the new names suggested.

L.

TACOMA, WASH.—G. M. Watson, proprietor of a flower store in the public market building, has opened another in the new Y. W. C. A. building.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted — Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted — Young man of 23, in either store or Greenhouses. Western New York preferred. Address, Key 745, care American Florist.

Situation Wanted — By sober young man of 26, experienced grower of cut flowers and plants, capable of taking charge. References. State wages. Address. Key 747, care American Florist.

Help Wanted — First-class greenhouse man for private place. Permanent position and good wages. References required. Address. 1918 East 40th St., Cleveland, Ohio.

Help Wanted — A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSBAUMER FLORAL CO., San Angelo, Texas.

For Rent — We have a fine location in one of Chicago's wealthiest suburbs for a good florist. No competition within ½ mile. Will put in first class fixtures and make the store very attractive for satisfactory tenant. For further particulars address E. A. CUMMINGS & Co., 49 N. Dearborn St., Chicago, Ill.

For Sale — A fine lot of 2 and 4-inch second-hand pipe, suitable for steam or water lines; let us quote you. Baur Gas Co., Eaton, Indiana.

For Sale — An old established and well paying florist store in Chicago, doing a good business, must be sold at once. Address, Key 748, care American Florist.

For Sale — If you want to buy a florist business, don't miss this exceptional opportunity. Write immediately for particulars. Address, Key 742, care American Florist.

For Sale — Retail store in City of New York, at a bargain; price \$800.00. Good location on a leading street in an excellent locality. Good reasons for selling. Address, A. F., care American Florist, 124 E. 24th St., New York.

For Sale — A good paying florist, seed and plant business, established by present owner over five years, in beautiful Berkeley close to San Francisco, the Exposition site; suitable for man and wife. For particulars address Kensington Florist, 3310 Adeline St., South Berkeley Station, California.

For Sale — Three greenhouses; well equipped; filled with carnations, chrysanthemums, violets, ferns, etc. On account of other business will sell at a sacrifice. Located one hundred miles from Chicago in town of twenty-two thousand inhabitants. Good opening for the right party. Address, Key 737, care American Florist.

For Sale — Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years. Key 730, care American Florist.

For Sale — Greenhouse plant, two houses, 5,000 sq. feet of glass, new and well equipped, filled with Carnations and bedding plants, good 9 room house with all modern improvements. Lot, 106 x 250 ft. 16 miles west of Chicago. Very good transportation. Good opening for the right party. Very good reasons for selling. Price, \$8,500. Address, Key 744, care American Florist.

For Sale — A rare opportunity to purchase a 2-story brick building containing store and 3 flats, 2 barns, and a Florist's Business established 22 years, with 5 greenhouses with about 12,000 square feet of glass all the stock, car-load of pots, hot-bed sash, one horse, three wagons, harness and coal, only \$20,000, or will rent property and sell only stock, sash, pots, coal, horse and wagons at a reasonable figure. This is being sold on account of ill health. Those only meaning business need reply. Address, Key 736, care American Florist.

Wanted — the address of Otto Lehman, who left Brooklyn, N. Y., for Colorado Springs about 10 years ago. Please address his friend, GEO. BELLA, 907 Trinity Ave., Bronx, New York City.

HELP WANTED.

Section foreman for Rose range, on up-to-date place; wages \$15.00 per week. Address, **Key 739, American Florist.**

Situation Wanted.

By man twenty-seven, enthusiastic salesman, artistic designer and one who can arrange artistic window displays. Best of reference. Address **Key 746, care American Florist.**

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

Help Wanted Quick.

Several good salesladies for Chicago retail stores. Good wages.

Key 751, American Florist.

Wanted at Once

Competent young lady florist for good permanent position in the west. Send full particulars and references to

Key 750, care American Florist.

GREENHOUSES FOR SALE

IN WILLIAMSPORT, PA.

Population, - - - - 40,000

Will take half interest or sell outright.

DANIEL E. GORMAN, Florist

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

For Sale.

A good paying retail store in the Chicago loop; long lease; books open for inspection; good reason for selling. For further particulars address **Key 740 care American Florist.**

Help Wanted.

Good designer, male or female, for a Chicago retail store. One or more can apply. Good wages to the right parties. Address,

Key 752, American Florist.

FOREMAN WANTED.

A man who is familiar with all lines of potted plants and forcing and is capable of handling help. He must be absolutely sober and only a high grade man.

Salary the best

Key 743, American Florist.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2¾ x 5¼ inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.,
440 Dearborn St., CHICAGO.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO



HOLLY

FANCY EASTERN.

Cut and packed in the swamps under the supervision of our own men from Chicago. Absolutely the choicest stock obtainable.

**Per Case, \$4 50 3 Cases, \$13 00
5 Cases, \$20.00**

**HOLLY WREATHS, Single and Double
EVERGREEN WREATHING,
MISTLETOE, XMAS TREES,
ETC., ETC.**

**The W. W. Barnard Co.,
SEEDSMEN,**

231-235 W. Madison Street, CHICAGO

Washington.

Geo. H. Cooke has been kept on the move for the last week, having the decoration for the reception given by Miss Boardman to the Red Cross society and the ball given by A. J. Larson and wife for Miss Wilmer. The ballroom decoration consisted of smilax, palms and pink chrysanthemums. The reception hall was banked with palms, ferns and large pink chrysanthemums. The dining room was decorated with Farleyense and pink snapdragons on the mantel and tables.

Elmer Maybury of the firm of Maybury & Hoover, met with a very painful accident while gunning in Maryland. In going over an embankment the earth gave way and the gun was discharged, the full charge blowing away part of his large toe.

From the reports of all the florists, they will not travel north to get their Christmas stock as there are some very fine azaleas, cyclamen and poinsettias closer home.

Gude Bros. have the decoration for Mrs. Rogers' ball. The decorations will consist mostly of American Beauties, Pink Killarneys, smilax and palms.

Geo. Evenden of Williamsport, Pa., was in town last week booking orders for Christmas. He has some very fine poinsettias in ten, eight and six-inch pans.

Schattmaier, manager for Z. D. Blackstone, is confined to his home with a very bad cold, but late reports are that he is improving.

Visitors: Wm. Craig, Robt. Schock, Joe Goudy, Sidney Bayersdorfer, all of Philadelphia, Pa.; Julius Dillhoff, New York. G. C. D.

Pittsburg.

CUT FLOWERS SHORT.

With the thermometer down to about 15 degrees and very little sunshine, this week finds us amid a very great shortage in all kinds of cut stock, carnations and lilies being among the scarcest. It keeps the wholesaler hustling to fill the demands of the retailers, who are willing to take any kind of stock offered. A few mums still are seen, but are not much good. Paper whites, fine white lilac and Romans are coming in somewhat stronger. Very good sweet peas and stevia are to be had in limited quantities. In the green goods and the decorative line, the various kinds of

such goods are almost cleaned up, and have been so for some little time. The shortage of boxwood compelled the wholesalers to order much more, which is arriving rather late, making it very disappointing to the retailers, who want to get their work out as early as possible. The outlook for stock for Christmas is good in almost everything except carnations, which are almost out of sight. American Beauties and Richmonds will be very strong, as will also be special Killarneys.

NOTES.

Harvey C. Sheaff, manager for Mrs. E. A. Williams, has returned from his trip to Panama, Costa Rica, Jamaica, and other southern points. He was well impressed by the scenery of these places and thinks that the Panama canal is a marvellous work, but as for a place of residence, well, he will stick to little old Pittsburg for a while yet.

E. J. McCallum has just returned from a trip to New York and Philadelphia, visiting some of the firm's eastern growers. The McCallum Co. is putting out a fine grade of red magnolias and finds them ready sellers.

L. L. Lamborn of Alliance, O., was a visitor last week. Mr. Lamborn is shipping a fine quality of Marylands to this market, also a good grade of White and Pink Killarneys.

Ed. Klader, foreman for F. H. Westhoff of Westhoffman, was in town. He reports the rose crop as being very promising for Christmas.

Mrs. J. Elikor of Homestead recently had her greenhouses destroyed by fire of unknown origin.

M. Kronis visited his partner in Chicago Wednesday.

Visitors: Chas. Dudley, Parkersburg, W. Va.; Geo. W. Kay and John Walker, both of Youngstown, O.; F. J. Farney, representing M. Rice & Co., Philadelphia; Martin Reukauf of H. Bayersdorfer & Co., Philadelphia; M. C. King, Washington, Pa.; Jos. Thomas, Greensburg, and John Dillhoff of Schloss Bros., New York. E. J. M.

CHAMPAIGN, ILL.—At the recent meeting of the Illinois State Horticultural Society the following officers were elected: J. Mack Tanner, Springfield, president; F. R. Baxter, Nauvoo, and L. R. Bryant, Princeton, vice-presidents; A. M. Augustine, Normal, secretary; J. W. Stanton, Richview, treasurer.

Cincinnati.

CHRISTMAS PROSPECTS GOOD.

The prospects for the Christmas business are good. The retailers have all placed heavy orders in view of a more or less possible shortage that is imminent. The retailers' orders are, however, coming along slowly at the time of this writing. They will have everything come in at the last moment. The supply of roses will be only an ordinary one. That is, an ordinary supply for such a day. The call for red is much stronger than the market will be able to care for properly. This demand also includes American Beauties. The supply of other colors and varieties, particularly pink and white Killarney, will be good. Carnations are apparently on the short side of the market. The supply will be very short unless the growers are holding back strongly, a thing which they all disclaim. There will be the usual good supply of poinsettias and if the Christmas shipments equal those in quality that have arrived up to this time we are going to have some fine, elegant ones for the holidays. New York double violets will be in very strong supply and probably adequate for market requirements. The cut of singles is none too large. Sweet peas clean up every day and will be in only limited supply for Christmas. Good giganteum and callas are offered. Other offerings include valley, orchids, Roman hyacinths, narcissi and stevia.

NOTES.

Geo. E. Fern, the decorator, has the decorations for the debut ball in honor of the niece of C. R. Holmes and wife the latter part of the month. He will, among other things, use 75 cases of wild smilax from C. E. Critchell.

J. T. Conger of Hartwell has pretty thoroughly cleaned up a house of Glory of Cincinnati begonias. Every plant was a fine specimen of the grower's art.

J. M. McCullough's Sons Co. received a supply of fine boxwood at the very time when the visible supply in the city was beginning to run low.

C. E. Critchell received some fine chrysanthemums from Popp Bros., Covington, Ky., this week.

Visitors: Geo. Gause, Richmond, Ind.; Miss Fannie White, Lexington, Ky.; Jas. P. Keller, Lexington, Ky.; K. H. Zeevat, representing Veldhuysen Van Sachten & Zanew, Lisse, Holland; Sam Seligman with Wertheimer Bros., New York. H.



Supply Department Xmas Goods Holly



☐ Ours is the finest XXX Delaware Holly. **\$5.00** per case, 5 cases **\$22.50**.

☐ Mistletoe put up in 10-25-50 pound boxes, **25c** per pound. No rubbish, all clean stock.

☐ The supply of good red Ruscus is very limited. We can give you the best stock at **75c** per pound, (subject to being sold).

RED RUSCUS WREATHS.

14 inch.....	\$ 4 00 per dozen
16 inch.....	5 00 per dozen
Extra Heavy 20 inch.....	12 00 per dozen

☐ Give us a trial and be convinced that our supply department is in keeping with the other branches of our business.

Poehlmann Bros. Co.

72-74 E. Randolph St. Long Distance Phone Randolph 35 CHICAGO, ILL.

Cleveland.

CHRISTMAS STOCK COMING IN.

The local wholesale houses are now offering all the seasonable Christmas greens and flowers. There is holly, mistletoe, laurel and ground pine wreathing, boxwood for green wreaths, immortelles and Japanese chenille for red wreaths, and also just plain moss wreaths, which, with a little fixing look as pretty as any of them. Southern smilax is not taking a back seat for decorative purposes. Fancy artificial poinsettias, hybiscus and poppies are being used freely on wreaths and store decorations. Cut flowers are increasing in quantity and the quality is superb. American Beauties promise to be better this Christmas than any previous year, in all grades from short to long stems, and present indications are that there will be enough to go around. Pink and White Killarney are going to be in full crop and the quality is better than ever. Richmond roses alone will be a little short of the demand, if advance orders are a sample of the demand to come, but there will be a good supply of first grade stock. Aaron Wards, too, will be much in demand though not over plentiful in supply. Single and double violets are showing excellent form, and of these it is well to order in advance. There will be a few novelties to offer but only in limited quantities. Carnations, from the present outlook, will

not be overplentiful, though the general run of stock shows good form, large flowers and stiff stems. There will be a few sweet peas, mostly pink; also there will be a limited amount of calandulas. Paper Whites and stevia are promised in larger quantities. Poinsettias will be in good supply and local growers claim stock is better than in previous years. Lily of the valley has not been very plentiful of late, but growers have promised a good supply for Christmas. Some of the local growers are going to have a few chrysanthemums, mostly white and yellow, for the holidays. Asparagus plumosus, both in strings and bunches, can be had in unlimited quantities. Asparagus sprengeri and adiantum fern are abundant. Strong smilax of good size is also very plentiful. Easter lilies and calla lilies are short of the demand and will not be a very big factor for Christmas. Orchids, too, are going to waste as very few have been coming into the local wholesale houses of late.

NOTES.

A committee consisting of Geo. W. Smith, Adam Graham, Sr., Chas. Schmitt, Herman Hart and John Blechschmitt met at the office of the Cleveland Florists' Exchange on Thursday to formulate plans (which they intend to lay before the next meeting of the Florists' Club), for the benefit of such growers as use steam in heating their

greenhouses, and who will be obliged under the new state law, to have licensed firemen. Postal cards have been mailed to all these growers to attend the next meeting of the Florists' Club when some action will be decided upon.

Among the visitors here the past week were: John Walker, Youngstown; C. E. Barton, Norwalk; Frank Farney, with M. Rice & Co., Philadelphia, Pa.; Harry Walthers, Youngstown. Mr. Walthers has only recently gone into the flower business for himself, but has had several years' experience with first class retail stores.

C. F. B.

Old-Fashioned Plants.

"That Burbank man is a wonder," said Maude.

"I don't like a man who tries to be so smart," replied Mayme. "The first thing we know, he'll be undertaking to invent a kissless mistletoe."—Washington Star.

REDFIELD, S. D.—The twenty-fourth annual meeting of the South Dakota State Horticultural Society will be held here January 21-23, 1913. A school of practical instruction in fruit tree propagation and pruning will be a part of the daily programme. N. E. Hanson, Brookings, is secretary.

BASSETT & WASHBURN

We are Growers--Our Specialties BEAUTIES.

We have never seen a finer crop than we now have. The special long stems are recognized as the choicest on the market.

MRS. WARD.

We have the largest quantity on this market and our Wards for color and size of bloom are seldom equaled. This is the rose the people want.

RED ROSES.

Our Rhea Reids will rival medium and short stem Beauties for size and color. They are the best in the middle west and our Richmonds are very choice.

KILLARNEYS.

Both White and Pink are in big crop and choice quality.

CHRISTMAS PRICE LIST.

American Beauties

	Per doz.
Specials, extra long stems.....	12 00
36-inch stems.....	10 00
24-inch stems to 30-inch stems.....	\$7 00 to 9 00
18 to 20 inch stems.....	5 00 to 6 00
12 to 15-inch stems.....	3 00 to 4 00

Rhea Reid

	Per doz.
Specials, extra long.....	\$5 00
Selects.....	4 00
Medium.....	2 50 to 3 00
Short.....	1 50

Richmonds

	Per 100
Extra long.....	25 00
Good length.....	\$18 00 to 20 00
Medium.....	12 00 to 15 00
Good short.....	10 00

Mrs. Ward

	Per 100
Extra long.....	\$25 00
Good length.....	18 00 to 20 00
Medium.....	12 00 to 15 00
Good short.....	10 00

Pink Killarney

	Per 100
Specials.....	\$20 00
Good.....	\$15 00 to 18 00
Medium.....	12 00
Short.....	8 00

White Killarney

	Per 100
Specials.....	\$15 00 to 18 00
Good.....	12 00
Medium.....	10 00
Short.....	6 00 to 8 00

Carnations

	Per 100
Fancy pink and white.....	\$ 8 00
Good.....	6 00

Red Carnations, very scarce. We will get them for you at market prices.

Harrisii Lilies, per doz.....	\$2 00:	\$16 00
Narcissus Paper White.....		3 00
Lily of the Valley.....	\$3 00 to	4 00
Roman Hyacinths.....		3 00
Asparagus Sprays.....	2 00 to	4 00
Sprengeri.....	2 00 to	3 00
Ferns, per 1000.....	2 00	
Smilax, per doz.....	1 50 to	2 00
Adiantum, per 100.....		1 00
Galax, green, per 1000.....		1 00
Galax, bronze, per 1000.....		1 00

We grow all the stock we sell and guarantee it to be strictly fresh.

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

CARNATIONS ADVANCE IN PRICE.

Business was fairly good the past week and stock of all kinds has been plentiful with the exception of carnations which have been very scarce. Fancy white have been bringing as high as \$4 and \$5 per 100 and choice red \$5 and \$6 and in a few instances \$7 and \$8 per 100. American Beauties of good quality are in good supply and roses in general have been plentiful all week. Richmond are seen in some houses in large quantities and Killarney is improving greatly in color. Mrs. Aaron Ward and Sunburst have had a good call and many orders for these popular roses are being booked for Christmas. Short roses are scarce. Orchids are none too plentiful but the demand for these flowers the past week has been extremely slow. Gardenias clean up well, violets, sweet peas, lilies, stevia, Paper White narcissus, lily of the valley and Roman hyacinths are in very good supply at many of the houses. Chrysanthemums are still arriving and good stock is obtainable. Carnations for Christmas will be very scarce as far as this market is concerned and this seems to be the case in general for letters by the hundreds are being received every day from florists in all sections of the country who want to place orders for carnations. Richmond roses will be somewhat scarce also but the supply of other roses promises to be quite large. The trade would do well to bear in mind the scarcity of carnations when ordering and buy some other flower instead, for they will be in shorter supply this Christmas than they have been for a great many years. Orders for carnations on this market are being turned away every day and many of the dealers believe that red is going to bring unusually high prices for Christmas.

MORE GROWERS NEEDED

A prosperous Chicago Wholesale Commission House, doing a large business, can use the output of several more **Carnation and Rose Growers** to good advantage. Honest treatment guaranteed and returns made weekly. For further particulars

Address, Key 749, care American Florist.

NOTES.

W. J. Keimel of Wendland & Keimel, who has heretofore devoted most of his space to the growing of Killarney in its various forms and Mrs. Aaron Ward, will plant two houses of Milady next season, being much impressed with its productiveness and color. This firm now has a Northwestern railroad switching track, which delivers coal at its coal shed and manure from the stockyards right on the ground, making a great saving in hauling.

Wm. J. Smyth, in alighting from an automobile last Friday on Michigan avenue, slipped on the oily roadway and fractured his hip. Much sympathy is felt for Mr. Smyth in this misfortune, bad enough at any time, but particularly trying at this busy season, especially as he had only recently recovered from his former auto accident. Mr. Smyth is at St. Luke's hospital.

S. A. Jamieson entered upon his duties with the Geo. M. Garland Co. on December 16 and will leave shortly for Minneapolis, Minn., to open up a new office.

John Muir is a bachelor temporarily, Mrs. Muir and the children wintering at Stockton, Calif.

LARGE SUPPLY

Roses and Carnations FOR CHRISTMAS

CHRISTMAS PRICE LIST

AMERICAN BEAUTIES--

	Per doz.	Per doz.
Extra long.....	\$12 00	20-in. stems.....\$6 00
48-in. stems... 10 00		18-in. stems.... 5 00
36-in. stems... 9 00		15-in. stems.... 4 00
30-in. stems... 8 00		12-in. stems.... 3 00
24-in. stems... 7 00		Shorts..... 2 00

Special Richmonds.....\$20 00 to \$25 00

Select.....	15 00
Medium.....	10 00 to 12 00
Shorts.....	6 00 to 8 00

Killarney, Special..... 25 00

Select.....	15 00 to 30 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00

White Killarney, Special..... 25 00

Select.....	15 00 to 30 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00

Roses, our selection..... 6 00

Carnations, Red.....	10 00
White and Pink.....	5 00 to 8 00

D. E. FRERES,
30 E. Randolph St., Chicago.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CUT FLOWERS For Xmas and New Year's

When making out your orders, please state either length or price of Roses wanted. When neither is stated, it is left to our discretion, and what we would send might not be what is wanted. This also applies to Carnation orders. We are not responsible unless orders plainly state what is wanted.

We expect a big supply of Roses and Carnations; also a big demand. We advise placing orders early and to wire extra orders up to the last minute. We want it understood that on account of Christmas rush we will ship orders on first train possible if train ordered on is impossible.

RED BERRIES, extra large cases, 36x14x14.....per case, \$3.00
BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50
WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

Christmas and New Year Price List.

SUBJECT TO CHANGE WITHOUT NOTICE. IN EFFECT DEC. 20TH.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials.....		\$12.00	Long.....		\$25.00	Red and C. W. Ward, Fancy.....		\$10.00
36-inch.....		10.00	Medium.....		\$15.00 to 20.00	Assorted Fancy, other than above...		8.00
30-inch.....		9.00	Good short.....		10.00 to 12.00	Assorted First Quality Choice.....		6.00
24-inch.....		8.00	KILLARNEY.			Assorted Split.....		4.00
20-inch.....		7.00	Long.....		\$25.00	ORCHIDS , White Dendrobium, dz. \$4.00 to 6.00		
Short stem.....		\$3.00 to 5.00	Medium.....		\$15.00 to 20.00	CATTLEYAS per doz., \$9.00 to 12.00		
PRINCE DE BULGARIE , Antoine Rivoire or Mrs. Taft.			Good short.....		10.00 to 12.00	ONCIDIUMS per 100, \$4.00 to 6.00		
Long.....		\$25.00	WHITE KILLARNEY.			EASTER LILIES		
Medium.....		\$18.00 to 20.00	Long.....		\$25.00	ADIANTUM CROWEANUM		
Short.....		10.00 to 12.00	Medium.....		\$15.00 to 20.00	MEXICAN IVY per 1000, \$5.00		
MELODY , long.....			Good short.....		10.00 to 12.00	SMILAX		
Medium.....		20.00	VIOLETS , Princess of Wales.....		2.50	SPRENGERI, PLUMOSUS SPRAYS 3.00 to 4.00		
Short.....		15.00	Double, New York.....		2.00	PLUMOSUS STRINGS , extra long and heavy..... each, .60		
MRS. AARON WARD.			Double, Glencoe, home-grown.....		2.50	FERNS per 1,000, 2.00		
Long.....		\$25.00	ROMANS		\$3.00 to 4.00	GALAX per 1,000, 1.25		
Medium.....		\$18.00 to 20.00	TULIPS , Proserpine.....		4.00	LEUCOTHOE per 100, .75		
Short.....		10.00 to 15.00	SWEET PEAS		1.50 to 2.00			
Extra special Roses, charged accordingly.			VALLEY		\$3.00, \$4.00 and 5.00			
LADY HILLINGDON.			NARCISSUS , Paper White.....		\$3.00 to 4.00			
Long.....		\$ 20.00	STEVIA		2.00			
Medium.....		15.00						
Short.....		10.00						

AMERICAN BEAUTIES

Richmond, Killarney, White Killarney, My Maryland, Sunburst Roses,
AND ALL THE LEADING CARNATIONS

A BIG SUPPLY FOR CHRISTMAS

Even more so than we expected, so send your orders direct to us now and we will fill them right. We will also have a large quantity of stock after the holidays and would be pleased to supply you then. Finest stock obtainable, none better in this market.

XMAS PRICE LIST:

American Beauties

	Per Dozen.		Per Dozen.
60-in. stems	\$12.00	24-in. stems	\$6.00
48-in. stems	10.00	20-in. stems	4.00
36-in. stems	9.00	15-in. stems	3.00
30-in. stems	7.00		

Killarney

	Per 100		Per 100
Extra specials	\$25.00	Medium	\$15.00
Selects	20.00	Good	10.00
Fancy	18.00	Short stems	8.00

Richmond

	Per 100		Per 100
Extra specials	\$30.00	Medium	\$18.00
Selects	25.00	Good	15.00
Fancy	20.00	Short stems	10.00

White Killarney

	Per 100		Per 100
Extra specials	\$25.00	Medium	\$12.00
Selects	20.00	Good	10.00
Fancy	15.00	Short stems	8.00

Sunburst

	Per 100		Per 100
Extra specials	\$30.00	Medium	\$15.00
Selects	25.00	Good	12.00
Fancy	20.00		

My Maryland

	Per 100		Per 100
Extra specials	\$25.00	Medium	\$15.00
Select	20.00	Good	10.00
Fancy	18.00		

Roses, our selection - \$8.00

Carnations

Red, extra special, per 100, \$10.00; Fancy, \$8.00.

Enchantress, per 100, \$7.00.

Pink Lawson, Winsor, White Perfection, White Enchantress, White Lawson, per 100, \$6.

Ferns, 1000, \$2.00; Smilax, doz., \$1.50 to \$2.00

Adiantum, 100, \$1.00 to \$1.50; Galax, 1000, \$1.00

Sprenger, per bunch 50c

Asparagus Sprays, 50c

WIETOR BROTHERS

162 North Wabash Avenue,

L. D. Phone Randolph 2081,

CHICAGO, ILL.

PERCY JONES

H. VAN GELDER, Pres.

L. D. Phone, RANDOLPH 3671

L. M. JONES, Secy.

Wholesalers of
CUT FLOWERS

—AND—
Florists' Supplies.

Write for Weekly Price List.

Ribbons and Chiffons Our Specialty.

56 E. Randolph St.,

CHICAGO.

Wietor Bros. will have all the roses they expected for the holidays and will be strong on American Beauties, Richmond, Killarney, White Killarney, My Maryland and Sunburst. N. J. Wietor says that orders are arriving from all sections of the country and the Christmas trade promises to be one of the best ever. The supply of carnations will be quite large but the demand is far greater than the receipts. This firm has a new red rose that looks very promising. It is similar to the Richmond in color but has a larger flower.

The Geo. M. Garland Co. is building a new factory at Des Plaines and will soon manufacture its own woodwork. The machinery will soon be installed and it is expected that the plant will be in full operation before February 15, 1913. E. Dunlap, with Means & Thacher, Boston, Mass., eastern representatives for the Garland Co., talked over business matters with his firm here this week.

J. A. Budlong's shipments of stock are now large and contain very choice stock of all kinds. American Beauty, Richmond, Killarney, White Killarney and My Maryland roses are fine and the lily of the valley is of its usual good quality. Phil Schupp and Wm. Homberg went carefully through the greenhouse last Sunday to get a line on the supply for the holidays.

Bassett & Washburn are cutting a fine grade of American Beauties and a good supply of the other roses is now arriving at the store. Business has been very good here all this week and from present indications the Christmas trade promises to be a record breaker.

A. L. Vaughan & Co. received their first shipment of mistletoe on December 14 and it proved to be of very good quality. Red berries are seen here in large quantities and the supply of stock in general is arriving in fine condition.

Fred C. Hoerber visited his firm's greenhouses at Des Plaines on December 15 and was well pleased to find that Hoerber Bros. will have a large cut of roses for Christmas. Some fine Richmond are now seen at this store.

E. J. Fancourt, representing the S. S. Pennock-Meehan Co., of Philadelphia, Pa., called on the trade last week showing blooms of new roses, Mrs. Chas. Russell and Fireflame, both of which were well received.

Erne & Klingel are featuring a fine grade of roses and poinsettias and are supplied with all other seasonable stock. Trade has been brisk at this store all week and promises to continue so.

At Percy Jones' store the Christmas orders are arriving in fine shape and it seems that this firm has gained the confidence of its patrons, for they just simply send in their orders and say nothing about prices.

Mike Kronos of Pittsburg, Pa., transacted business here on December 13. Mr. Kronos and George Manos, the Union Depot Florist, are interested in several stores in the East.

Miss Elsie Winterson, daughter of E. F. Winterson, who has been threatened with pneumonia and appendicitis, is again able to be about the house.

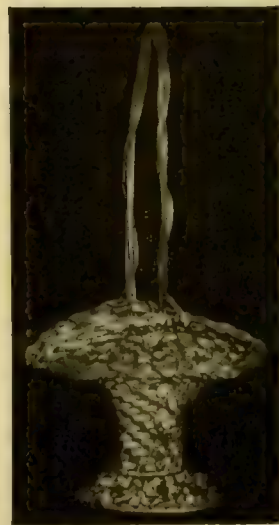
Mrs. Joseph Beaver is recovering in the Washington Park Hospital from a recent operation and expects to be home by Christmas.

John Michelsen, with the E. C. Ameling Co., has returned from a business trip to Indianapolis, Ind., and St. Louis, Mo.

Chas. C. Young, with C. Young & Sons Co., St. Louis, Mo., was here on business December 16.

Robert Newcomb, with Vaughan's Seed Store, is back from a successful trip.

BASKETS



NEWLY imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.

713-717 Milwaukee Ave., CHICAGO



Big Crops of
BEAUTIES
Pink KILLARNEYS White
Richmond, Maryland, Melody, Ward AND Sunrise
 Our Crop of Roses is Very Large, so Place Your Orders Here.

Christmas Price List.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$12 00
48-inch stems.....	10 00
36-inch stems.....	9 00
30-inch stems.....	8 00
24-inch stems.....	7 00
20-inch stems.....	6 00
18-inch stems.....	5 00
15-inch stems.....	4 00
12-inch stems.....	3 00
Shorts.....	2 00

Per 100

EXTRA SPECIAL RICHMONDS.....	\$30 00 to 35 00
Specials.....	25 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
Shorts.....	6 00 to 8 00
KILLARNEY, Special.....	25 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00
WHITE KILLARNEY, Special.....	25 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00
MRS. AARON WARD, Special.....	25 00 to 30 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
SUNRISE, Select.....	12 00 to 15 00
Medium.....	8 00 to 10 00
Short.....	6 00

	Per 100
MY MARYLAND, Special.....	25 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00
MELODY, Special.....	25 00
Select.....	15 00 to 20 00
Medium.....	10 00 to 12 00
Short.....	6 00 to 8 00

Roses, our selection..... 6 00
Carnations, red..... 10 00
 White and pink..... 6 00 to 8 00

These quotations on Carnations are cancelled. Will accept orders at market prices.

Harrisii Lilies, per doz., \$1 50 to \$2 00	
Valley.....	4 00 to 5 00
Violets.....	2 00
Sweet Peas.....	1 00 to 1 50
Stevia.....	1 50 to 2 00
Adiantum Croweanum.....	1 00 to 1 50
Asparagus, per bunch.....	50c to 75c
" strings.....	60c to 75c each
" Sprenger, bunch, 50 to 75c	
Smilax, per doz.....	\$1 50 to 2 00
Mexican Ivy.....	75
Galax, bronze and green, per 1000, \$1 25	
Leucothoe Sprays.....	75
Boxwood, per bunch.....	25c
Ferns, per 1000.....	\$2 00

PETER REINBERG,
30 E. Randolph St., **L. D. PHONE** **Chicago**
CENTRAL 2846.

"The Busiest House in Chicago"

Carnations, Violets, Poinsettias, Beauties, Roses, Wild Smilax and Red Berries

WE offer you this year as in years past, the best the market affords at strictly market rates. Our stock is complete. We would advise you to get your orders in early, so as to be assured a complete order. Should there be any change in prices, we shall bill accordingly.

CHRISTMAS PRICE LIST:

AMERICAN BEAUTIES.		Per 100		Per 100	
Long stems	Per doz.	Richmond—Fancy	\$15 00 to \$20 00	Sweet Peas	Per 100 \$1 00 to \$1 50
36-inch stems	\$12 00	" Medium	12 00 to 15 00	Smilax	per doz., \$2 00
30-inch stems	10 00	" Short	8 00 to 10 00	Adiantum	1 00
24-inch stems	9 00	ROSES, our selection	6 00 to 8 00	Asparagus Strings	each, 75c
20-inch stems	8 00	Poinsettias, fancy	per doz., \$3, \$4, \$5, \$6	Asparagus Plumosus	per bunch, 35c to 50c
24-inch stems	6 00	Carnations, common	5 00 to 6 00	Fancy Ferns	per 1,000, \$2 00
18-inch stems	5 00	" fancy	8 00	Wild Smilax	per case, 5 00
15-inch stems	4 00	" red	10 00	Boxwood	per lb., 25c; 50 lbs., 7 50
12-inch stems	3 00	Cattleyas	per doz., \$12 00	Mistletoe	per lb., 25c
Per 100		Valley	4 00, 5 00	" case, 25 lbs., 4 50	75
White Killarney	Special ..\$20 00 to \$25 00	Violets	1 50 to 2 00	Leucothoe sprays	
Killarney	Fancy .. 15 00 to 18 00	Paper Whites	3 00 to 4 00	Mexican Ivy	75
My Maryland	Medium .. 10 00 to 12 00	Romans	3 00 to 4 00	Mignonette	6 00 to 8 00
Richmond—Extra long	Short .. 6 00 to 8 00	Stevia	1 50 to 2 00	Red Berries	per case, 3 00
" Special	35 00	Lilies, per doz., \$1 50 to \$2 00			
	25 00	Callas, per doz., 1 50 to 2 00			

J. B. DEAMUD CO.

Everything in Cut Flowers and Greens

160 N. Wabash Ave.,

Phones: { L. D. Central 3155.
Automatic 44-389.

Chicago

Tim Matchen entertained Peter Reinberg's employees at his home on December 15 and it is needless to say that Mrs. Matchen again came in for considerable praise for her cooking which L. Hoeckner, L. Loeser and S. Hansen say cannot be equaled. The party visited the Reinberg greenhouses in the afternoon and found that there will be a large cut of roses for the holidays including exceptionally fine Richmond and American Beauties.

At Poehlmann Bros. Co.'s store trade in both the cut flower and supply departments is exceedingly brisk and the plant department at Morton Grove is taxed to its utmost. This firm will have a large cut of roses for the holidays and the supply department is prepared to fill all late orders for Christmas goods.

The Chicago Flower Growers' Association is well supplied with stock of all kinds and is featuring a fancy grade of Killarney roses. Richmond and My Maryland of the same quality are also among the many offerings as well as cut poinsettias.

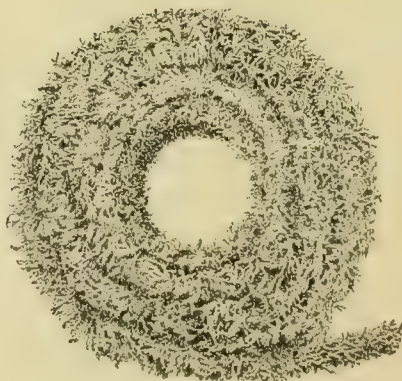
The Geo. Wittbold Co. had twelve large funeral pieces for the Copleman funeral which was held last week. Most of the orders were from Siegel, Cooper & Co., of which firm the deceased was a member.

The J. B. Deamud Co. is filling a large number of orders for wild smilax and is well fixed on green goods of all kinds. Winter berries, cut poinsettias and roses are seen at this store now in large supply.

The Chicago Carnation Co. is distributing its new calendar which is similar to the one that was issued last year. The Herald, this firm's new scarlet carnation, is shown in color.

Members of the Lincoln park commission held their annual meeting on December 11. H. M. West was re-elected secretary and superintendent.

John Kruchten visited his gardenia growers at Deerfield last week.



Bouquet Green Wreathing.

N. B.—BULK GREEN SPECIAL,
300 Pounds for \$15.00.

VAUGHAN SEED STORE
Chicago New York

Evergreen Wreathing

Put up in coils of 20 yards.

	Per 1000 yds.	Per 100 yds.
Light Grade	\$25.00	\$3.00
Medium Grade	33.50	4.00
Heavy Grade	45.00	5.00

Write or wire for prices on larger quantities.

BULK BOUQUET GREEN

XXX Holly

Boxwood, 15c lb.

Laurel Wreathing

Holly and Evergreen

Wreaths

Mistletoe and Immortelles.

Write for our "Christmas List."

Mr. Kruchten has a fine assortment of stock for the holidays, particularly roses.

Miss Minnie Wattman and G. B. Hammond were married in this city on December 14 and are now spending their honeymoon in the south.

J. A. Mendel and a party of eighteen friends have returned from a two weeks' sightseeing tour of the southwest, including Mexico.

Zeck & Mann have been showing a fancy grade of Richmond roses all week as well as Killarney of fine color.

Stollery Bros. have a good lot of azaleas for their Christmas trade and are enjoying good business at their Wilson avenue store.

Mrs. T. E. Waters is recovering from an operation for appendicitis at the Columbus Memorial Hospital.

Miss Ida Evert will have a good supply of chrysanthemums for her customers for Christmas.

Otto Wittbold has started work on his new residence in Edgebrook.

Fred Krauss, with the E. F. Winterson Co., is on the sick list.



PARTIAL VIEW OF OUR GREENHOUSES AT WESTERN AND BERWYN AVES., CHICAGO.

For Christmas

we shall have a fine lot of **ROSES** to offer, including the much-called for **Richmonds**, **Beauties**, **Pink Killarney**, **White Killarney**, **Bulgarie**, **Marylands**, besides **Mrs. Jardine** and **Aaron Ward**.

Our Carnations

Are the best on this market, including such varieties as **Winsor**, **Enchantress**, **Afterglow**, **Aristocrat**, **Victory** and **White Perfection**. We anticipate a shortage in the Carnation lines, and as such we will endeavor to fill Carnation orders to the best of our ability.



LARGE SUPPLY OF Blue Ribbon Valley

The Leader of All Chicago Valley

Our **Valley** is in a class by itself, due to the reason that we buy only the best of Pips, house well adapted for its forcing, and forced by a skilled grower; hence if you wish the choicest to be had, you will make no mistake in ordering from us our famous **Blue Ribbon Valley**.

ALSO PLENTY OF
Sweet Peas, Single and Double Violets,
Harrisii, Narcissus, Stevia, Asparagus,
Greens, and All Other Seasonable Stock.

NOTE.—We desire that you place your orders early. Don't wait until the last minute, only to learn that stock is well ordered up.

Owing to lack of time during holidays, orders from new customers should contain suitable references, for should your name not be rated in the agencies, shipments will be sent C. O. D.

Store open from
7:30 a. m. until 6
p. m., closing holi-
days at 12 noon.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

BEAUTIES AND ROSES

Also Carnations

LARGE SUPPLY

For Christmas.

Extra Fancy Killarney, White Killarney, Richmond, and all other leading Roses. In addition to the above we will have a large supply of

ALL OTHER SEASONABLE FLOWERS AND GREENS.

XMAS PRICE LIST

American Beauties.		Per doz.	Per 100
Long stems		\$12 00	
36-inch stems		10 00	
30-inch stems		9 00	
24-inch stems		8 00	
20-inch stems		6 00	
18-inch stems		5 00	
15-inch stems		4 00	
12-inch stems		3 00	
		Per 100	
White Killarney	Special ..	\$20 00 to \$25 00	
Killarney	Fancy ..	15 00 to 18 00	
My Maryland	Medium ..	10 00 to 12 00	
	Short ..	6 00 to 8 00	
Richmond—Extra long		35 00	
Richmond—Fancy		25 00	
Richmond—Medium		\$15 00 to \$20 00	
Richmond—Short		12 00 to 15 00	
ROSES, our selection		8 00 to 10 00	
Carnations, common		5 00 to 6 00	
fancy		8 00	
red		10 00	
Cattleyas....per doz.,	\$12 00		
Valley	4 00,	5 00	
Violets	1 50 to	2 00	
Paper Whites	3 00 to	4 00	
Stelia	1 50 to	2 00	
Lilies, per doz.,	\$1 50 to \$2 00		
Callas, per doz.,	1 50 to 2 00		
Sweet Peas	\$1 00 to	\$1 50	
Smilax	per doz., \$2 00		
Adiantum		1 00	
Asparagus Strings...each,	75c		
Asparagus Plumosus, per			
bunch.....	35c to 50c		
Fancy Ferns...per 1,000,	\$2 00		
Wild Smilax...per case,	5 00		
Boxwood			
per lb., 25c; 50 lbs.,	7 00		
Mistletoe.....per lb.,	25c		
" original case, 25 lbs.,	4 50		
Leucothoe sprays		75	
Mexican Ivy		75	
Mignonette	6 00 to	8 00	
Red Berries...per case,	3 00		

Erne & Klingel

Wholesale Florists

30 E. Randolph St.,

L. D. PHONE:
RANDOLPH 6578

CHICAGO

The visitors to Joliet on the occasion of the Chicago Carnation Co.'s trip December 18 included the following: F. C. Hoerber, S. A. Jamieson, Sol Garland, James Psenicka, Walter Amling, W. H. Amling, Walter Burhop, Wm. Wichtndahl, Hugo Luedtke, A. F. Longren, H. C. Blewitt, Harry Hinks, John Weiland, Jacob Meier, Fred Stielow, W. Stielow, E. A. Ollinger.

Peter Reinberg has purchased a new Mack auto truck to carry his flowers from his greenhouses to the store. The truck is very large and will easily accommodate 40 large boxes such as are in use in this market.

Isaac Cassidy, of Jersey City, N. J., for some time with the Foley Mfg. Co., this city, is prospecting in the western greenhouse building field on his own account.

Visitors: Eli Cross and Henry Smith, Grand Rapids, Mich.; E. Dunlap, representing Means & Thacher, Boston, Mass.; Chas. C. Young, with C. Young & Sons Co., St. Louis, Mo.; L. P. Harley, Hartford, Mich.; Gus Fredrickson, St. Joseph, Mich.; Mike Kronos, Pittsburg, Pa.

St. Louis.

BUSINESS INCREASES.

The market the past week showed an increase in demand and also in the supply. Roses also increased. Quite a number of pink of poor quality and color were in. American Beauties of good quality are selling well, but poor stock is hard to move. Chrysanthemums are about over, though a few good white are seen. Holly, ruscus, boxwood, red immortelles, cape flowers and everything red has the call. Narcissus is getting more plentiful, also Romans. Quite a stock of stevia is on hand. Lycopodium is of very good quality.

NOTES.

The Henry Shaw banquet was largely attended Friday evening. Richard Vincent, Jr., gave an illustrated lecture on the London flower show. Sixty members of the Florists' Club attended. Dr. Moore, director of the gardens, was toastmaster. Ostertag Bros., who have the largest resources in the city for putting up big "doings,"

will again be taxed by a very large reception and ball.

The St. Louis Florists' Club met last Thursday. Forty members were present, Charlie Young in the chair. The guest of honor was Richard Vincent, Jr., president of the Society of American Florists. Adolph Janecke, Oliver Sanders, F. X. Gorly and A. Windler were elected members.

The Wm. C. Smith Wholesale Floral Co. has its counters filled with the finest violets the market produces and some very good White and Pink Killarneys and Richmonds. All are from local growers. Their supply of green wreaths and Christmas novelties is unlimited.

Julius Schaeffer has completely renovated and remodeled the store formerly occupied by Edw. L. Loyet, 918 Kings highway. He has installed a good supply of plants, cut flowers and Christmas novelties.

Fred C. Buchrucker & Sons, florists, report trade as good. Their store and greenhouse are at 3816-22 Virginia avenue where they have a fast growing trade. They make a specialty of funeral work.

The Ladies' home circle met at F. W. Bruenig's home last Wednesday. Mrs. Weber, Mrs. Otto Koenig, Mrs. Beneke were among those present.

The Windler Wholesale Floral Co. showed some extra good late white chrysanthemums, also a fine supply of roses and fancy carnations.

George H. Angermueller is headquarters for fine orchids, lily of the valley and Christmas novelties.

Many of the west end florists have big displays of ruscus and oak leaf wreaths.

A splendid display of poinsettias adorn the show windows of C. Young & Sons.

John Michelsen, representing the E. C. Amling Co., Chicago, was a visitor.

Alex Siegel was proposed as a member of the St. Louis Florists' Club.

Some good mistletoe from Oklahoma is on the market.

The St. Louis Seed Co. is handling some good holly.

W. F.

Sphagnum Moss

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Vaughan's Seed Store
Chicago New York

Mention the American Florist when writing

SEND TEN CENTS FOR A SAMPLE OF THE Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbons at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the
EVER-READY FLOWER-POT COVER CO.
WM. H. GREVER, Manager
146 Hughes Avenue BUFFALO, N. Y.

Mention the American Florist when writing

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President,

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

**Large Supply of Cut
Flowers for Xmas.**

**ROSES
CARNATIONS
VIOLETS and
GREENS**

XMAS PRICE LIST. Subject to change without notice.

Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 12.00	\$ 10.00	\$ 9.00	\$3.00	\$ 7.00	\$ 6.00	.....
Killarney.....per 100	25.00	20.00	16.00	12.50	10.00	8.00	6.00
White Killarney.....	25.00	20.00	16.00	12.50	10.00	8.00	6.00
My Maryland.....	25.00	20.00	16.00	12.50	10.00	8.00	6.00
Richmonds.....	35.00	30.00	25.00	20.00	15.00	12.50	10.00
Carnations.....	10.00	8.00	6.00	5.00	.....	.....	.....
Lily of the Valley.....	5.00	4.00	.....	.....	.....	.....	.....
Violets, Extra fine single.....	2.00	1.50	.....	.....	.....	.....	.....
Double.....	2.50	2.00	.....	.....	.....	.....	.....
Sweet Peas.....	1.50	1.00	.....	.....	.....	.....	.....
Romans.....	4.00	3.00	.....	.....	.....	.....	.....
Paper White Narcissus.....	4.00	3.00	.....	.....	.....	.....	.....
Stevia.....	1.50	1.00	.....	.....	.....	.....	.....
Easter Lilies.....	15.00	12.50	.....	.....	.....	.....	.....
Daisies.....	1.00	.....	.....	.....	.....	.....	.....
Poinsettias, extra good stock, per doz.	5.00	4.00	3.00	.....	.....	.....	.....
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00	.....	.....	.....	.....
Asparagus Sprengeri Sprays..	3.00	2.00	.....	.....	.....	.....	.....
Mexican Ivy.....	.60	.....	.....	.....	.....	.....	.....
Smilax.....	16.00	12.50	.....	.....	.....	.....	.....
Galax, Green and Bronze.....per 1000	1.00	.....	.....	.....	.....	.....	.....
Ferns.....	2.00	.....	.....	.....	.....	.....	.....
Boxwood.....bunch	.25	.....	.....	.....	.....	.....	.....
Plantum.....per 100	1.00	.75	.....	.....	.....	.....	.....
Winter Berries, large.....case	3.00	2.50	1.50	.....	.....	.....	.....

A Fine Grade of All Seasonable Stock FOR CHRISTMAS

Also Exceptionally Fine Mistletoe and Red Berries in Quantity.

We will be well fixed in everything, particularly **Roses**, so send your order direct to us. See our advertisement in last week's issue of this paper and order accordingly.

A. L. VAUGHAN & CO.

161 N. Wabash Avenue

(NOT INC.)

Phones: Central 2571-2572

Automatic 48-734

CHICAGO

Nashville, Tenn.

BIG THANKSGIVING TRADE.

Thanksgiving Day, which promised so well in floral circles, was not a disappointment. The day was beautiful, and the city thronged with visitors. The Sewanee contingent came in from all the nearby towns to "root" for their favorites and to see the great game with Vanderbilt. The display in flowers was truly magnificent and the sale was phenomenal. All say it was the best Thanksgiving ever and was equal for one day to either Christmas or Easter. Everybody sold out; not only the chrysanthemums, but also the roses and carnations went. Violets were not so plentiful, but the white chrysanthemum and purple ribbon did the "stunt" all right and they were not missed. All the violets that were in stock were sold out early.

The B. H. Stief Jewelry Company

moved into a beautiful new store the first of the week and the occasion made a tremendous call for flowers. This is the leading jewelry firm of this city, and has been for fifty years. The store was a veritable bower of flowers, so that many passers-by thought it was a flower store. All of the florists here furnished flowers, and from New York, Cincinnati, Chicago and St. Louis came other rare and costly blooms. There were many beautiful pieces from merchants in this city and also out-of-town orders. One of the largest pieces was a huge crown four feet in diameter and composed largely of yellow chrysanthemums. The firm gave to each visitor a rose, carnation or chrysanthemum.

M. C. D.

MATTOON, ILL.—A. D. King has opened a downtown flower store at 1513 Broadway.

Boston.

ALL STOCK SHORT.

Trade is good, everything is short and good prices prevail. American Beauties bring \$40 to \$50 a hundred. Good weather now prevails. Carnations have again gone to the high-water mark and are likely to stay there for some time until the crops come in again. Violets are scarce and the price is up. Everything points just now to a scarcity for Christmas unless the weather conditions change to warmer.

NOTES.

There is already talk of building operations among a few of the growers. We wish all the readers a merry Christmas and a happy New Year, and a large share of good business conditions to us all.

MAC.

RICHLAND, WASH.—The Richland Nursery Co. will add a greenhouse to its plant.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

CUT FLOWERS

— AND —

Greens of All Kinds

Columbus, O.

CHRISTMAS STOCK SCARCE.

Reports show an increase in business over the previous year. Although not an oversupply of stock there was enough to go around Thanksgiving. The outlook for Christmas stock is not very promising. Everybody is wondering where he will get enough for the rush. Carnations are very scarce. The supply is not great enough to fill the demand. Roses of good quality are in fair supply, although there are never enough here. Valley also is very scarce, the orders showing an increase over last year of 200 per cent. Sweet peas are in good demand and sell for fair prices. Stevia and greens sell at all times. We have said goodbye to the chrysanthemum for this year. All have done well and none were thrown out.

NOTES.

Our new park superintendent, Chas. W. Sargent, has made good. He was appointed by Mayor Karb after a very spirited fight for the position. Mr. Sargent has had seventeen years of experience as a florist and his reputation as a grower and propagator is second to none.

A visit to the Indianola Florists found every thing in good shape. Albert Hill, the manager, takes great pride in showing visitors the various fine points of the place.

S. F. Stephens reports everything about ready for the holidays. His staff is very busy with green oak and red ruscus.

Miss Howard, of Howard & Co., says that business is good, especially in plants, but that there is a scarcity of stock.

Joe Hellenthal says business is booming at their place. Every one is busy with pot plants, of which they have a large variety.

Wm. Brust is still busy at the old stand. He has been taking many orders for pot plants.

Martin Ruehauf, Joseph Prince and Paul Halbrooks were Columbus visitors last week.

The Fulton Flower Shop has several weddings scheduled for next week.

The Livingston Seed Co. expects a bumper crop of carnations for Christmas.

The Art Floral Co. reports business very good with a fine run Thanksgiving.

L. S. B.

Oklahoma City.

TRADE IS VERY GOOD.

The flower trade for Thanksgiving was a pleasant surprise to local retailers. Business has been a trifle below normal for several months so that there were no anticipations of big things for Thanksgiving, but business turned out very good and, as there was on hand plenty of good home-grown stock, the results are more than satisfactory. Chrysanthemums of the four and six dollar grades were the greatest in demand, although Killarney and American Beauty roses enjoyed a fair degree of popularity. Paper White narcissus, antirrhinums, stevia and carnations in variety were disposed of in fairly large quantities.

Here You Are!

Velvet Poinsettias:

Large, brilliant red flower, stems 16 in. long, perfect color foliage. In fact a ready seller whenever shown.

Price, per doz. \$1.50

"Holly" and "Poinsettia" Baby Ribbon, 50 yds. to spool:
No. 1½ each 75c

Artificial Holly:

Six Sprays to a bunch—a dandy seller—everybody buys. Perfect color red berries, excellent foliage and just the thing for a ready-to-wear corsage:
Small Size, \$1.35 per doz. bunches.
Large Size, 2.40

GEO. H. ANGERMUELLER, Wholesale Florist, 1324 Pine Street ST. LOUIS, MO.

We give prompt attention to large or small orders alike. Send a trial order.

Chiffons, (any colors) about 40 yds. to bolt:

4 in. S-tin Edge, per yd 2½c
6 in. " " " 3½c
10 in. " " " 5c
6 in. Silk Gauze, " 4c

"Bon Ton" Baby Ribbon, (any color) 250 yds. to spool:
Per Spool, 75c

Prepared Magnolia Leaves, (green or brown):
A No. 1 quality guaranteed to be best on the market.

(About 1000 leaves to box)

Prices—1 Box at \$1.75
5 Boxes or more 1.65
10 " " 1.60
25 " " 1.50

Bouquet Green

Fresh, deep-green, very superior stock, packed in 100 lb crates.

Per crate \$6.75

Evergreen Wreathing In 20 yd. coils at 75c per coil—heavy weight.

CURRIE BROS. CO.,

108 Wisconsin St.—312 Broadway, MILWAUKEE, WIS.

There was not much demand for potted plants, neither were there many elaborate decorations, the trade seemingly running almost exclusively to cut flowers.

NOTES.

Harold Bofinger is now the manager of the Barteldes Seed Co.'s stores here, J. F. Hickey having gone to St. Louis and entered another line of business. Mr. Bofinger has been with the Barteldes headquarters at Lawrence, Kans., for over 20 years, so that it goes without saying that he is thoroughly familiar with everything pertaining to the seed industry in all its details. Since his coming here he has gained the confidence and esteem of the many employees in his charge and all indications point to an extended success for the business under his administration.

Now that the forest trees have shed their foliage we can see the crop of mistletoe which is about to be in good demand. There is plenty of it in sight, but it is certainly an arduous task to harvest the crop and it costs money to get a carload together. The Stiles Co. and the Barteldes Co. both have collectors out gathering stock, and ship a great deal to Northern markets. Furrow & Co., of Guthrie, had a splendid crop of chrysanthemums and many of them found their way to this city for the Thanksgiving trade.

The question of who will be the superintendent of parks for this city is still in abeyance.

S. S. B.

Southampton Horticultural Society.

The regular meeting of the society was held in the Odd Fellows' hall December 7, president U. G. Agar in the chair. The business of having the society incorporated is going ahead slowly. It was decided to have a dinner for members of the society on Jan. 2 and a committee of three was appointed to make arrangements. At a special meeting two weeks ago W. S. Gommersall, of Nyack, N. Y., read a

GOLDFISH

"Something Alive in the Window"

Catches the public eye.

Order your supply now.

\$3.00 per 100 and up.

Write for catalog

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street, CHICAGO.

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO
Telephone, Central 3284.

Mention the American Florist when writing

splendid paper on soils and fertilizers. He was awarded a standing vote of thanks and on motion it was decided to have two hundred copies of the paper printed and distributed to members of the society.

WM. McLEOD, Sec'y.

In the Ground Pine District.

In the washroom of the Sherman hotel at Tomah, Wis.: "Permission is hereby given to Chas. Hamilton to use one roller towel in the Hotel Sherman. Geo. O. Murray, Health Officer."

GRAND RAPIDS, MICH.—H. W. Allersma, of the Benjamin Avenue Nursery, is building another new greenhouse and reports business good.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

88 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Hoerber Bros.

Wholesale Growers of CUT FLOWERS

162 N Wabash Avenue,

Telephone: Randolph 2578

CHICAGO

Anything and Everything
for Xmas. Kennicott will
help you out, if you run short.
Write, Phone or Telegraph.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
Rogers Park 227—Nursery.

WIE TOR BROS.

Wholesale CUT FLOWERS
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Wholesale Flower Markets

CHICAGO, Dec. 18.	Per doz.
Roses, Beauty, specials.....	\$12 00
" " 36-in.....	10 00
" " 30-in.....	9 00
" " 24-in.....	8 00
" " 15-20-in.....	7 00
" " 12-in.....	1 00@ 1 50
" " Sunburst.....	3 00@ 5 00
" Killarney.....	8 00@ 25 00
" White Killarney.....	8 00@ 25 00
" Richmond.....	8 00@ 30 00
" Prince de Bulgarie.....	8 00@ 25 00
" Radiance.....	8 00@ 25 00
" Mrs. Aaron Ward.....	8 00@ 25 00
" My Maryland.....	8 00@ 25 00
" Melody.....	8 00@ 20 00
" Mrs. Jardine.....	8 00@ 20 00
" Lady Hillingdon.....	8 00@ 20 00
" Sunburst.....	8 00@ 25 00
Carnations.....	4 00@ 10 00
Cattleyas..... per doz., 9 00@ 12 00	
Gardenias.....	5 00@ 6 00
Lilium Harrisii.....	12 50@ 15 00
Narcissus, Paper White.....	3 00@ 4 00
Orchids Dendrobium, per doz., 4 00@ 6 00	
Stevia.....	2 00
Violets.....	2 00@ 2 50
Valley.....	3 00@ 5 00
Adiantum Croweanum.....	1 00
Boxwood..... per lb., 25	
Ferns..... per 1000, 2 00	
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy..... per 1000, 5 00	
Plumosus Strings, each, 50@ 60	
Smilax..... per doz., 1 50@ 2 00	
Sprengerii, Plumosus Sprays.....	3 00@ 4 00

Elgin, Ill.—Sherman & Morgan of
this city have installed a Kroeschell
boiler in their new range.

ROSES

White and Pink Killarney and Richmond
Roses, Red, White and Pink Carna-
tions, Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extrafancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing



Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

Philadelphia.

BUSINESS UP TO EXPECTATIONS.

Business the last week has been up to expectations. There has not been much stock about and what there was sold up clean every day. The quality of almost everything is much improved, although many of the pink roses are a bit off color. White roses were in good demand as were other white flowers, there being quite a number of important funerals. The yellow kinds lead in demand, and if the call keeps up much more room will be given them next season. As the chrysanthemums are gone, the Easter lilies are finding a ready market. Valley sells up pretty close. There are plenty of gardenias. Violets have been shy. They are probably waiting to hear those Christmas bells. Snapdragon sells on sight. It is popular and will be more so later on. The price has advanced over 100 per cent the past week. Mignonette is a good seller as is bouvardia, fine flowers of which are offered from several houses. Calla lilies are coming in and move off rapidly. Quotations on Christmas stock will be about the same as a year ago. At this time it seems as if there will be a generous supply in all lines. American Beauty roses are said to be in crop with several large growers, as are also Richmond, both of which are leaders for the Christmas trade. Carnations find a ready sale now that the chrysanthemums are gone, although a few very fine Nonin were offered the past week.

NOTES.

A wonderful business is being done at the Robert Craig Co.'s establishment and they already have cleaned up in many lines. Birch bark boxes filled with combinations of foliage plants and ferns have had a wonderful sale and will undoubtedly become one of their specialties at this season.

Pink Japanese lilies were one of the novelties at the Geo. Niessen Co.'s market the past week. The master spirit here says that they will have one of the finest all-round stocks for next week ever offered in this country.

Wm. K. Harris had a house of holly trees exceptionally well berried which have met with ready sale. The aucubas this season were a failure, as they did not set fruit. They will be greatly missed.

At M. Rice & Co.'s supply house they say they never experienced such a season. Everything for Christmas (and they were well prepared) has been in great demand.

Berger Bros.' Central Market is featuring boxwood, holly and other Christmas greens and handling them in quantity. A splendid stock of roses is in sight.

Ed. Reid's auto stands him in good stead these days. He is kept busy whisking his out-of-town customers around among the plant growers. K.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in
FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.
448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Dec. 18.		Per 100
Roses, Beauty, extra.....	40	00@60 00
" first.....	12	00@25 00
" Brides and Maids.....	6	00@12 00
" Killarney.....	6	00@15 00
" White Killarney.....	6	00@15 00
" Liberty.....	6	00@15 00
Carnations.....	5	00@8 00
Cattleyas.....	35	00@50 00
Gardenias..... per doz., 3	00	@4 00
Lilium Harrisii.....	10	00@12 00
Lily of the Valley.....	3	00@5 00
Calla Lilies.....		16 00
Marguerites.....	1	50@2 00
Snapdragons.....	15	00@25 00
Sweet Peas.....	1	00@1 50
Violets, single.....	1	00@1 50
double.....	1	00@1 50
Poinsettias.....	20	00@25 00
Adiantum.....		75@1 00
Asparagus..... per bunch, 50		
Smilax.....	15	00@20 00

PITTSBURG, Dec. 18.		Per 100
Roses, Beauty, special.....	25	00
" extra.....	12	00@20 00
" No. 1.....	6	00@10 00
" Killarney.....	2	00@6 00
" My Maryland.....	2	00@6 00
" Richmond.....	2	00@4 00

Asters.....	1	00@4 00
Cattleyas.....		50 00
Chrysanthemums..... doz., 2	00	@3 00
Gladioli.....	2	00@4 00
Lilium Auratum.....		5 00
Lilium Longiflorum.....	10	00@12 00
Lilium Rubrum.....		5 00
Lily of the Valley.....		4 00
Oncidiums.....	3	00@4 00
Adiantum.....		1 00
Asparagus Sprengeri, per bunch, 35	@40	
Sprays..... per bunch, 35	@40	

MILWAUKEE, Dec. 18.		Per 100
Roses, Beauty, per doz., 1	00	@5 00
" White and Pink Killarney.....	8	00@25 00
" Richmond.....	15	00@25 00
" Mrs. Aaron Ward, Melody and Mrs. Taft.....	8	00@12 00
Carnations.....	4	00@6 00
Bouvardia.....		6 00
Callas..... per doz.,		2 00
Lilium Giganteum..... per doz., 2	00	
Lily of the Valley.....		4 00
Red Berries..... per case, 2	00	@4 50
Stevia.....	1	50@2 00
Sweet Peas.....		1 50
Violets, Wisconsin grown.....	2	00@2 50
Adiantum.....		1 50
Asparagus..... per string,		50
Sprengeri, per bunch,		35
Boxwood..... per bunch,		25
Stevia.....	1	50@2 00
Bouvardia.....		6 00
Sweet Pea.....		1 50
Callas..... per doz., \$		2 00
Ferns, Common.....		2 00
Galax..... per 1000, \$		1 50
Ruscus.....		75
Red Berries..... per case, \$2	00	@4 50
Smilax..... per doz.,		1 75

Winter Berries Imported Boxwood

Anything You Need in Supplies

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.
Phone: Olive or Central 1474

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

WHITE LILAC

You can depend on us at all times to fill your order for **Lilac**. There is no better stock grown than we can offer you.

NEW BRONZE GALAX, per case, \$750.

THE LEO NIESSEN CO.,

Wholesale Florists,
N. W. Cor. 12th and Race Sts.,

RICHMOND

We will be strong on **Richmond** and the quality will be extra fine. Your customers will want **Red Roses**. We advise early ordering.

Philadelphia, Pa.

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio.

**EVERYTHING
SEASONABLE**

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Dec. 18.	
Roses, Beauty, special.....per doz.	\$5 00
" " fancy.....	4 00
" " extra.....	3 00
" " No. 1.....	2 00
" " No. 2.....	1 00

	Per 100
" Maid and Bride.....	4 00@ 8 00
" Pink Killarney.....	5 00@15 00
" White Killarney.....	5 00@15 00
" Richmond.....	6 00@15 00
" My Maryland.....	3 00@ 8 00
" Aaron Ward.....	6 00@10 00
Carnations.....	3 00@ 6 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 50@ 3 00
Stevia.....	1 00
Swainsona.....	50@ 1 00
Violets.....	1 00@ 1 25
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprengerl.....	35@ 50
Ferns.....per 1000,	\$2 00
Galax.....per 1000,	\$1 50
Smilax.....	15 00

BOSTON, Dec. 18.	Per 100
Roses, Beauty, best.....	20 00@40 00
" " medium.....	20 00@25 00
" " culls.....	6 00@ 8 00
" White and Pink Killarney.....	2 00@ 8 00
" " Extra.....	6 00@10 00
" Taft.....	4 00@12 00
" Cardinal.....	4 00@12 00
" Ward and Hillingdon.....	4 00@12 00
" Killarney and Richmond.....	2 00@ 8 00
" My Maryland.....	2 00@ 8 00
" Carnot.....	6 00@ 8 00
Carnations, select.....	2 00@ 4 00
Callas.....	8 00@12 00
Cattleyas.....	35 00@50 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	20 00@25 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	50@ 1 00
Smilax.....	12 00@16 00
Violets, single.....	75@ 1 00
" double.....	50@ 75

CINCINNATI, Dec. 18.	
Roses, Beauty.....per doz.	3 00@12 00
" " Bride, Bridesmaid.....	Per 100
" " Killarney.....	8 00@20 00
" " My Maryland.....	8 00@20 00
" " Perle.....	6 00@12 00
" " Richmond.....	8 00@25 00
" " Taft.....	8 00@20 00
Carnations.....	8 00@10 00
Callas.....	15 00
Lilium Giganteum.....	15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....per doz.	12 00
Poirsettias.....	2 00@ 5 00
Narcissus.....	4 00@ 4 00
Roman Hyacinths.....	3 00@ 4 00
Stevia.....	25@ 35
Sweet Peas.....per bunch,	1 00@ 2 00
Violets.....	1 50@ 2 50
" double.....	2 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprengerl.....per bunch,	25

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street,

MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO., Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

ST. LOUIS, Dec. 18.	Per 100
Roses, Beauty, long.....per doz.	4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 8 00
" White Killarney.....	4 00@ 8 00
Carnations.....	3 00@ 4 00
Easter Lilies.....	10 00@12 50
Lilium Rubrum.....	6 00@ 8 00
Valley.....	4 00
Asparagus Sprengerl.....	2 00@ 3 00
Asparagus Plumosus, per bu.....	35@60
Ferns, New. Fancy.....	1 50

BARKER, N. Y.—The Barker Floral Co., a new concern, has incorporated with a capital stock of \$30,000. The directors are Nellie A., James R. and W. E. Spafford, all of this place.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florists

Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

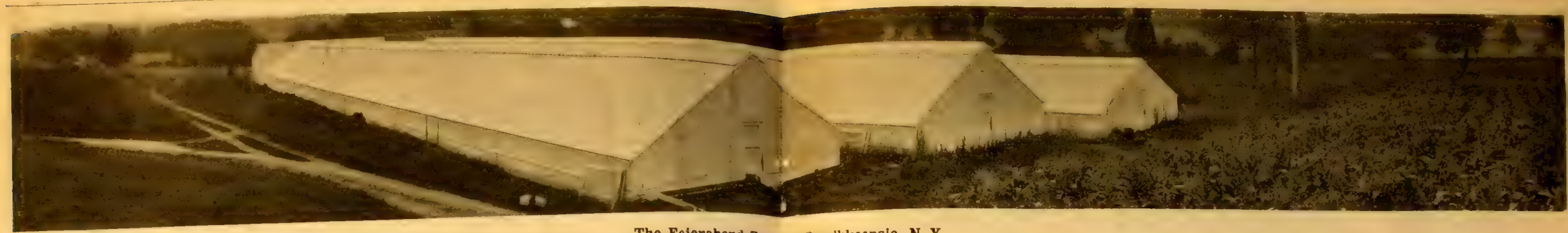
Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.



WHEN a man starts out to put up a new range, there are many serious things to consider. The most serious of them is perhaps just how much of your various friends' advice to take. Most of it is contradictory. Some say Iron Frame houses are the only thing to build. Others, that our Half Iron Frame houses is just as good for the money. One, that you ought to run your houses east and west. Another, that north and south is the only way. Certain

ones claim that hot water with induced circulation is the most economical way of heating. Right on top of which you are told that steam has all the systems backed down and out.

What is a man to do in such a case? The answer is: Listen a lot and do nothing until you have talked

the matter over carefully, point by point, with a greenhouse firm of long experience, like Hitchings & Co. A firm that not only knows greenhouse building from A to Z, but that are also expert heating engineers, backed up by a reputation of fifty years or more.

That's the way Mr. Feierabend went about it. He started right.

Hitchings and Co., Elizabeth, N. J. and 1170 Broadway, N. Y.

In 1910 we built two Half Iron Frame houses, 20x201 feet. In 1911, another house, making 26,000 square feet of glass surface.

The heat is generated by Hitchings' Cast Iron boilers.

If you are one of the Feierabend kind of men, who believe that the man who looks ahead farthest gets ahead fastest—then send for us when you are ready to build.

New York.

STOCK NOT PLENTIFUL.

The Christmas spirit is in the air and everywhere one sees preparations for the great holiday. As is usually the case at this time, business has been rather quiet for the last week. In fact, it is acknowledged by some of the oldest dealers that if business was good there would be a scarcity of stock, for stock is not over-plentiful. Gardenias are scarce and good ones are wholesaling at \$5 per dozen and upward. Orchids of the Cattleya trianae variety wholesale at from \$7 to \$9 a dozen. While rose prices have been creeping up, they have not yet reached a very high figure, since 40 and 50 cents each is but a reasonable price for American Beauties at this season. Some fine stock of Mrs. Taft and Milady is on the market and wholesales at from \$15 to \$25 for Taft and \$25 to \$35 for Milady. Short and medium rose stock moves faster than the specials. Carnations are moving fairly well at an average of \$5. There is a fair supply of lilies and lily of the valley and the prices are not high. Violets are moving fairly well, as they should, for the past week was emphatically "violet weather." That is, it was mild enough to wear them. However, violets are used up in various ways and orchids, valley, gardenias and sweet peas are supplanting them in corsage bouquets.

Monday, December 16.—There is a hopeful feeling in the wholesale district today. The supply of stock is not heavy and is cleaning up well. Weather conditions are ideal, clear and bracing. Carnations, which are not over plentiful, show an upward tendency for special and fancy stock, the fanciest touching 8 cents. Although as previously stated, there has been an upward tendency in gardenias and orchids, it does not now appear that they will go higher.

NOTES.

The committee of ladies appointed by President Manda at the last meeting of the New York Florists' Club to assist the entertainment committee in entertaining visitors to the International Flower Show is composed as follows: Mrs. John Donaldson, Mrs. C. H. Totty, Miss O'Mara, Mrs. Frank Traendly, Mrs. W. H. Sheridan, Mrs. John Scott, Mrs. W. H. Siebrecht, Jr., Mrs. C. B. Weathered, Mrs. A. L. Miller, Mrs. J. A. Manda, Mrs. John B. Nugent, Jr., Mrs. Julius Roehrs, Jr., Mrs. J. H. Pepper, Mrs. Harry Bunyard, Mrs. Chas. Schenck, Mrs. W. E. Marshall,

VIOLETS

We ship only first quality stock. Place orders early.

For Christmas

Direct from the Largest Grower
\$1.50 and \$2.00 per 100. Parties not known must send cash.
Telephone-Telegraph Connection.

J. VONDER LINDEN, Rhinebeck, N.Y.

Mrs. R. G. Wilson and Mrs. A. M. Henshaw.

The dealers in greens are remarkably active and most of them have taken additional storerooms for the holiday season. This is true of the Kervan Co., Geo. Cotsonas & Co. and N. Lecakes & Co. The aggregate of stock being handled by these firms is remarkable. Large forces of men are busy all day and sometimes far into the night making up wreaths and roping, but the demand will doubtless be very great.

Geo. Peters & Sons, who have an extensive carnation range at Hempstead, L. I., and are represented in the New York Cut Flower Co. by William Peters, are now sending in a good supply of carnations in variety.

Wm. Stewart Allen is now handling very fine rose stock, Milady and Mrs. Taft being especially good, from the range of A. N. Pierson, Inc., Cromwell, Conn. Excellent lily of the valley is another feature.

Joseph Vock, of the Cut Flower Exchange, is carrying a fine line of lily of the valley and bulbous stock from the W. H. Siebrecht range, Astoria, L. I., which he represents in the Exchange.

L. A. Noe of Madison, N. J., was in the rooms of the New York Cut Flower Co. on December 14. Among the finest American Beauty roses handled by that company are the products of Mr. Noe's range.

Frank Myers, of Myers & Santman, Chestnut Hills, Pa., was in the city recently calling on M. C. Ford.

The Flower Auction Co., over which John P. Cleary presides, is stocking up for a large Christmas business.

Siebrecht & Siebrecht are now handling a fine line of gardenias and orchids in addition to a good supply of lilies, lily of the valley and other stocks.

On December 14 at P. J. Smith's there was a very fine stock of Easter lilies and L. rubrum. Lilies are among the leading specialties at this store.

H. E. Froment continues to receive fine American Beauty, Richmond and Lady Hillingdon roses from the L. B. Coddington range.

William Kessler is now well stocked with Christmas plants and his store is a busy place. A. F. F.

Westchester and Fairfield Hort. Society.

The annual meeting of the society was held in Greenwich, Conn., December 13, with a large attendance, President Stuart in the chair. One new member was elected and two proposals for membership received. It was decided to hold our first annual dinner in Germania Hall, New Rochelle, some time in January. Some fine plants and flowers were on exhibition, also some very fine celery, a special prize being offered for the best six heads. It was won by W. Wynne. H. Ryan was awarded a cultural certificate for a fine vase of poinsettias. Other exhibitors were Harry Wilde with solanums and bouvardias, James Foster with cypripediums and tomatoes, A. Pederson with narcissus and roses, the Geo. E. Baldwin Co., Mamaroneck, with Cypripedium Ensigne, and Scott Bros. with their peerless carnation Wm. Eccles.

The following members were elected as officers for the coming year: Robt. Williamson, Greenwich, Conn., presi-

PHILADELPHIA

NEW YORK

WASHINGTON

S. S. Pennock-Meehan Co.
WHOLESALE FLORISTS
109 West 28th Street, NEW YORK
Everything in Cut Flowers.
PERCY B. RIGBY, Treasurer. Everything in supplies.

HORACE E. FROMENT
WHOLESALE COMMISSION
American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.
57 West 28th St., NEW YORK CITY
Telephones: 2200 and 2201 Madison Square.

ALEXANDER J. GUTTMAN, Inc.
THE WHOLESALE FLORIST OF NEW YORK
55 W. 26th St., (Coogan Bldg.)
Phone 1912 Madison Square. Terms Cash

WM. A. KESSLER
Successor to Kessler Bros.
113 W. 28th St NEW YORK.
CUT FLOWERS
WHOLESALE PLANTSMEN AND FLORISTS
Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

The Kervan Company
FRESH CUT EVERGREENS
and Mosses, Decorating Material for Florist Trade, at Wholesale.
TELEPHONES MADISON SQUARE 1519-5893
119 West 28th Street NEW YORK

dent; Oscar E. Addor, Larchmont, N. Y., vice-president; J. B. MacArdle, Greenwich, Conn., secretary; W. J. Sealey, Port Chester, N. Y., treasurer; Owen Hunwick, Greenwich, Conn., corresponding secretary. Executive committee: Harry Wilde, Greenwich, Conn.; Th. Ryan, Port Chester, N. Y.; A. Paterson, Saugatuck, Conn. Addresses were made by the newly-elected officers, praising the great work of our retiring president, James Stuart. Refreshments were passed around and a most enjoyable time spent by all.
OSCAR ADDOR, Cor. Sec'y.

Siebrecht & Siebrecht, Inc.
WHOLESALE FLORISTS,
109 West 28th St., NEW YORK.
Pl ones 608 609 Madison Square.
Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

The Albany Cut Flower Exchange
Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.
All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.
Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK Dec. 18.	Per 100
Roses, Beauty, special.....	30 00@50 00
extra and fancy.....	25 00@30 00
No. 1 and No. 2.....	5 00@10 00
Bride, Bridesmaid special.....	6 00@ 8 00
extra and fancy.....	3 00@ 5 00
No. 1 and No. 2.....	1 00@ 3 00
Killarney, My Maryland.....	8 00@10 00
extra and fancy.....	5 00@ 6 00
No. 1 and No. 2.....	1 00@ 3 00
Hillingdon, Aaron Ward.....	1 00@ 8 00
Richmond.....	50@10 00
Sunburst, special.....	6 00@10 00
Mildy, special.....	25 00@35 00
Taft, special.....	15 00@25 00
Mrs. Geo. Shawyer, special.....	15 00@25 00
Carnations.....	5 00@ 6 00
Cattleyas.....	50 00@60 00
Gardenias.....	10 00@25 00
Lilies, Longiflorum and Harris.....	8 00@10 00
Lily of the Valley.....	2 00@ 4 00
Narcissus, Paper White.....	2 00@ 3 00
Sweet Peas..... per doz, bunches.....	75@ 1 25
Violets.....	50@ 75
Adiantum, Crowns.....	150@ 50
Asparagus Plumosus..... doz bchs.....	1 50@ 3 00
Smilax..... per doz, strings.....	1 00@ 1 50

Paul Meconi
Wholesale Florist
55-57 West 26th Street
NEW YORK CITY
Telephone: 3864 Madison Square
Mention the American Florist when writing

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,
Telephone No. 756
Madison Square, NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax Leaves, Leucobon Sprays, Poinsettias, Pines and Laurel Ropings.
Phones 1415-1416 Madison Sq
53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK
Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock every morning.
Desirable wall space to rent for advertising.
V. S. DORVAL, Secretary.

Rice's Record Christmas Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE & CO.

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

1220 Race Street

PHILADELPHIA, PA.

"Nothing can Improve on Nature."
1886 **1912**



GEORGE W. CALDWELL, The Woodsman
The man who gave you the Wild Smilax

SOUTHERN WILD SMILAX

In unlimited quantities, twenty-four
hours' notice.

PRICE, \$2.50 per case
Write, wire or phone.

CALDWELL THE WOODSMAN CO.

Everything in Southern Evergreens.
EVERGREEN, ALA

Sterling Moss & Peat Co.

Barnegat, New Jersey

SPHAGNUM MOSS SELECTED STOCK

1 10-bbl. Bale, \$3.75 ea. 5 10-bbl. Bales, \$3.50 ea.
10 10-bbl. Bales, 3.25 25 10-bbl. Bales, 3.00
Rotted Peat, 60c per sack.

J. L. DOTHIDAY, Prop.

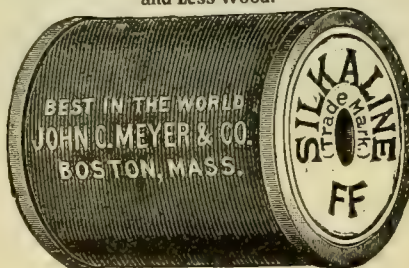
Nassau County Horticultural Society.

The annual meeting of this society was held at Pembroke Hall, Glen Cove, on Wednesday, December 11, with a large attendance, President Johnston in the chair. The most important business transacted was the election of officers for the coming year. E. J. Brown, who has been treasurer of this society for a number of years, was unanimously elected president. James MacCarthy was elected vice president; E. Westlake, recording secretary; J. MacDonald, corresponding secretary; S. J. Trepass, treasurer; J. F. Johnston, trustee. The treasurer's report showed a nice balance to the credit of the society.

It was decided to have the annual dinner on January 23. The committee of arrangements are Messrs. Trepass, Everatt and Johnston. Mrs. H. M. Adams, Glen Cove, was elected an honorary member. Four new active members were elected and three petitions received. Prizes were offered for poinsettias, violets and carnations. The winners were D. Bjorkgreen, A. MacKenzie and V. Cleres. H. Gaut was awarded a certificate of culture for a very fine collection of vegetables and V. Cleres a certificate of culture for new seedling tomatoes. Prizes are offered for 18 carnations, 3 varieties; 25 sprays of freesias, 50 violets and 6 tomatoes at the January meeting.

JAMES MACDONALD, Cor.-Sec'y.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



JOHN C. MEYER & CO.,

The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....	50c per 1000, \$4.00 per case (10,000)
Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet MOSSES

E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.

JAS. E. PINKSTON, Louisville, Ala.

Philadelphia Notes.

In the stores all is hurry and bustle, getting ready for the rush of the last days. Not much is offered in the way of novelties. Plant baskets will be leaders and promise to be very beautiful, as the many two-toned and fancy-shaped creations with tins are getting more elaborate each season. Ruscus is seen in much of the wreath work, taking the place of immortelles, which in spite of the competition are almost two prices. Holly is very well berried and fairly plentiful. The mistletoe is also fine.

J. J. Habermehl's Sons have had a very busy week. The social season has set in in earnest and several large balls have been given. The opening of the new Ritz-Carlton Hotel, together with several elaborate dinners in honor of the event, called for a lavish display of choice flowers. At one dinner cattleyas were the flower and large quantities were used. K.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

New Stock

White Rock Mountain

Bronze Galax

3 and 5-inch.....40c per 1,000
Dagger Ferns.....60c
Rock Fern.....35c

Give me a trial order. Cash with order.

AARON BUCHANAN & CO.,

HAWK, Mitchell County, N. C.

Notice to Florists

LARGE and SMALL BUYERS

I have the finest stock of FANCY and DAGGER
FERNS that was ever shipped from the east.
\$1.10 per 1000; 5000 or over, \$1.00 per 1000 for
the month of December.

Robert Groves, 127 Commercial St.
ADAMS, MASS.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave.. Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND AND NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

December 24.

Lusitania, Cunard.
Megantic, White Star, 12 noon.
Friedrich der Grosse, North Ger. Lloyd, 10 a. m., Bremen Piers.
Alice, Austro-American, 1 p. m.
Indian Prince, Prince.
Ocean Prince, Prince.

December 25.

Vaderland, Red Star, 10 a. m., Pier 61, North River.

December 26.

FROM PORTLAND, Pretorian, Allan.
La Provence, French, 10 a. m., Pier 57, North River.

FROM ST. JOHN, Athenia, Donaldson.

December 27.

FROM ST. JOHN, Empress of Ireland, Can. Pacific, 12 noon.
Gaika, Barber.

December 28.

Virginia, French, 3 p. m., Pier 57, North River.
St. Louis, American, 9:30 a. m., Pier 62, North River.

Majestic, White Star, 12 noon.
FROM PORTLAND, Dominion, White Star-Dom., 10 a. m.

President Lincoln, Ham.-Amer., 1 p. m.
Russia, Russian American, 2 p. m.
Honorus, Houston.
Vestris, Lampert & Holt, 1 p. m.

December 31.

Campania, Cunard.

NORMAL, ILL.—George Foster of this city was elected president of the Horticultural Society of Illinois at the recent meeting held here. The other officers elected were: O. M. McElvain, Bushnell, and A. M. Augustine, Normal, vice-presidents; Bruno Nehling, Normal, secretary; C. G. Winn, Griggsville, treasurer.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada, and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamship or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyes, 11 N. Pearl St., Albany, N. Y.
Mrs. J. B. Freeman, Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldochi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 50th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Willson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



GUDE BROS. CO.
FLORISTS
1214 F ST NW
WASHINGTON D.C.

WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,

123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

to THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.

229 WEST THIRD STREET.

City Index to Retail Florists' Filling Telegraph Orders.

Albany, N. Y.—Eyres, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Philip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriab J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex, McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones:
1552-1553 Columbus

Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main,

14th & Eye Sta., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses, Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Hehl)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Birmingham, Ala.

John L. Parker
FLORIST

Woodward Bldg.

Open All Night

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Rochester, N. Y.

SHORTAGE OF CUT STOCK.

Business for this time of the year has been rather quiet. Early orders are being placed right along, however. Already there is a great shortage of cut flowers, the wholesale market being cleaned up every day. The growers say they have not been so short for a number of years. Roses are shipped in in fairly good shape and bring good prices right along. American Beauties seem to hang back somewhat. Carnations are scarce as usual and bring big prices. The outlook for these flowers for Christmas is not at all encouraging. Sweet peas, paper white narcissi, single daffodils and stevia are about the only fine flowers on the market. Greens of all kinds are plentiful.

NOTES.

Fred C. W. Brown of Buffalo was the speaker at the Rochester Florists' Association meeting Monday night. His subject was "Art and the Decoration of Flowers." His talk was illustrated by a series of colored slides, being reproductions of his own work. The address was both profitable and interesting.

The convention of the Western New York Horticultural Society was held December 11-13 in Convention Hall. There were many able addresses and much interest was aroused.

H. E. Wilson, 88 East Main street, supplied the large shower and corsage bouquets at the Kochenpahl-Heilbrunn wedding last week.

Ralph Marsh of Brockport, N. Y., has recently put up a new greenhouse 165 feet long and it is now full of good carnations.

George B. Hart has just returned from a business trip to Boston, Mass., Philadelphia, Pa., and Providence, R. I. A. R. Jones of the S. S. Pennock-Meehan Co., Philadelphia, Pa., called on local florists December 14.

H. P. Neun's window this week was filled with Araucaria excelsa trimmed with red paper and ribbons.

The W. W. Barnard Co., Chicago, was represented here last week by one of their salesmen.

Salter Bros. are showing a fine lot of poinsettias in their East Main street store.

J. A. Peterson of Cincinnati, O., called on trade last week. H. J. H.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS.

Phones: Home 1388. Cumb. Main 1388A.

.....634 Fourth Avenue.

Mention the American Florist when writing

New Orleans—

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
URIAH J. VIRGIN, CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Mention the American Florist when writing

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Phoenix Roebelenii				
6-in.	6 to 7	28 to 30.....	1 50	18 00	Pot	5-in., nicely characterized.....		Each	\$1 00
Cedar tub	Leaves	In. high.	Each	Doz.	6-in., 18 to 20-in. spread.....			1 50	
7-in.	6 to 7	34 to 36.....	2 50	30 00	Cedar tub	High	Spread	Each	
9-in.	6 to 7	40 to 45.....	4 00	48 00	7-in.	18-in.	24-in.....	\$2 00	
9-in.	6 to 7	42 to 48.....	5 00		Cibotium Schiedel				
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	Spread	2 to 2½ feet.....	Each	\$2 00
9-in.	6 to 7	5 ft.....	8 00		7-in.	4 feet.....		4 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa. Railway Station,
Jenkintown.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
 Harry L. Holmes, Harrisburg, Pa., First
 Vice-President; Arthur B. Clark, Milford,
 Conn., Second Vice-President; C.E. Kendel,
 Cleveland, O., Secretary and Treasurer;
 J. M. Ford, Ravenna, O., Assistant Secretary.
 Next annual convention, June, 1915.

THE date of the national canners' convention at Louisville, Ky., has been changed to February 10-15.

THE new United States law controlling the importation of grass, clover and field seeds which contain an excess of weed seed will go into effect February 24.

MONTICELLO, FLA.—R. L. Eaton, of the Girardeau Seed Co., has received a commission as a member of the National Minute Men committee of the Democratic National committee, with rank as captain.

VISITED CHICAGO: O. L. Coulter, representing C. C. Morse & Co., San Francisco, Calif.; B. E. Brotherton, of the Peninsula Seed Co., Port Huron, Mich.; Fred H. Hunter, representing Waldo Rohnert, Gilroy, Calif.; Chas. Johnson, Marietta, Pa.; E. S. Gunn, of the Griswold Seed Co., Lincoln, Neb.; C. C. Massie, of Northrup, King & Co., Minneapolis, Minn.; J. Chas. McCullough, Cincinnati, O. The last named en route to Redlands, Calif.

CHICAGO.—Prices on the Board of Trade December 18, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100 pounds.—L. W. Wheeler, of the Pieters-Wheeler Seed Co., Palo Alto, Calif., who called on the trade here last week, has left for the east.—Arnold Ringier, of the W. W. Barnard Co., make a flying trip east the latter part of last week and was back at his desk Monday morning.—The season closes with an overstock of bouquet green. Holly is in fair supply but much of it is of poor quality. Boxwood is selling freely and in brisk demand at \$7.50 to \$8 per case of 50 pounds.

Hunkel Company Expanding.

The G. H. Hunkel Co., seedsmen, Milwaukee, Wis., have just purchased the Wernich Seed Co. of the same town and will hereafter discontinue the Wernich store as a retail store, using these premises as a warehouse, and, as in the past, continue their store and offices at 327 Chestnut street. The Wernich Seed Co. was established in 1879 and is well and favorably known throughout the United States. The G. H. Hunkel Co. was established January, 1905. E. P. Hunkel is president, G. H. Hunkel, secretary-treasurer.

Chr. Olsen, Odense, Denmark.

The firm of Chr. Olsen, at Odense, Denmark, will celebrate its fiftieth anniversary December 1. The business was begun in a small way by Mr. Olsen in 1862, and has developed into one of the most prosperous and best known seed houses in Denmark. Contract growing was begun in 1890 with Danish farmers. The expert trade also has grown immensely until the firm is known throughout the world, proving its honorable treatment of its customers.

Mr. Olsen, Sr., the founder, retired from active participation in the business in 1902, since which time his two sons, Christian and Axel Olsen, have had charge. The firm now employs nearly one hundred people and more will be necessary next spring when the business will be enlarged. Chr. Olsen has taken many medals at Danish exhibitions, including that of the Scandinavian Horticultural Exhibition at Copenhagen, this year.

Catalogues Received.

The Dennison Mfg. Co., Boston, Mass., Christmas book of tags, labels and cards; J. M. Thorburn & Co., New York, preliminary trade list of vegetable seeds; Raluh M. Ward & Co., New York, lily bulbs; Geo. Wittbold Co., Chicago, nursery plants; R. Vincent, Jr., & Sons Co., White Marsh, Md., geraniums; Vaughan's Seed Store, Chicago and New York, trade list of Christmas greens and plants; Elmer D. Smith & Co., Adrian, Mich., new geranium "Scarlet Bedder" and



Chr. Olsen, Sen., Odense, Denmark

chrysanthemum novelties for 1913; J. Bolgiano & Son, Baltimore, Md., bulbs; Freeman Orchid Co., Fall River, Mass., annual list of orchids; Berrydale Experiment Gardens, Holland, Mich., berry plants; Geo. R. Pedrick & Son, Pedricktown, N. J., monthly trade list of vegetable seeds; E. S. Miller, Wading River, N. Y., trade list of bulbs and hardy plants; I. N. Simon & Son, Philadelphia, Pa., market gardeners' wholesale list of seeds; Wm. Elliott & Sons, New York, flowering bulbs; Portland Seed Co., Portland, Ore., trees, bulbs and plants; United States Nursery Co., Roseacres, Miss., field-grown roses, shrubbery, perennials, etc.; Archias' Seed Store, Sedalia, Mo., fall list of seeds, plants, fruit trees and bulbs; Elm City Nursery Co., New Haven, Conn., nursery stock for

Pieters-Wheeler Seed Company

Growers of
 High Grade
 SEED

Palo Alto,
 California.



Onion,
 Lettuce,
 Radish,
 Sweet Peas,
 Etc.

Correspondence
 Solicited

autumn planting; J. K. Alexander, East Bridgewater, Mass., wholesale trade list of dahlias; Leesley Bros., Nurseries, Chicago, wholesale list of nursery stock; H. Youell & Son, Syracuse, N. Y., helpful hints and descriptive price list of gladioli; Avenue Nurseries, Plainville, O.; trade list of nursery stock; F. W. Kelsey Nursery Co., New York, wholesale special list of trees, shrubs, and hardy plants; Texas Seed & Floral Co., Dallas, Texas, annual fall list of seeds, plants, bulbs and roses; Texas Seed Breeding Farms, Sherman, Texas, improved seeds; Chas. P. Mueller, Wichita, Kans., cut flowers; The Austin Nursery, Austin, Texas, trade list of surplus nursery stock.

L. Daehnfeldt, Odense, Denmark, illustrated souvenir of their establishment; Kelway & Son, Langport, England, special contract offer of vegetable and farm seeds; F. C. Heinemann, Erfurt, Germany, special trade list of novelties for 1913; Watkins & Simpson, London, England, a souvenir of their gold medal exhibit at the Royal international horticultural exhibition; Perry's Hardy Plant Farm, Enfield, England, rock and border plants; M. Herb, Naples, Italy, seed novelties for 1913 and general list of seeds; M. Leenders & Co., Steil-Tegelen, Holland, rose novelties for 1913; Uberto Hillebrand, Pallanza, Italy, special list of seeds; Vilmorin-Andrieux & Co., Paris, France, seeds; Albert Schenkel, Hamburg, Germany, seeds and plants; M. P. Andersen, Jonkoping, Sweden, nursery stock; K. Velthuys, Hillegom, Holland, wholesale trade list of Dutch bulbs and plants; V. Lemoine et Fils, Nancy, France, gladiolus and plant novelties; King's Acre Nurseries, Hereford, England, trade list of nursery stock; W. J. Worrell, Leamington, England, special offer of seeds; Verkadé Van Kleef, Waddixveen, Holland, nursery stock; Spruijt & Co., Utrecht, Holland, seeds.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
 Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada.
 CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Extra Long White Spine.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.**Fremont, - Nebraska****For Fall Planting**Lilium Tenuifolium, Hansoni, Davuri-
cum, Henryi, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, Ger-
man and Japan Iris. Fall list ready.**E. S. MILLER, Wading River, N. Y.**
Mention the American Florist when writing**TOMATO SEED**

Best Stocks. All Varieties.

THE HAVEN SEED CO.Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.**SEEDS**

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England**MANN'S****Lily of the Valley**are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to**OTTO MANN, Leipzig, Saxony, Germany.**
Mention the American Florist when writing**BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**

226-230 W. KINZIE STREET, CHICAGO

ONION SETS**GROWERS FOR THE TRADE**
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN**OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES:** Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.**RATEKIN'S SEED HOUSE, Shenandoah, Iowa****Onion Seeds--Onion Sets** We are Extensive Growers and Dealers
Write for prices on the 1912 crop.We are also submitting contract figures
for the 1913 crop of Onion Seed.**SCHILDER BROS., Chillicothe, O.**

CHOICE

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.**CHRIS. REUTER, New Orleans, La.****R. & M. GODINEAU,**
SEED GROWERS,**Angers - France.**Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

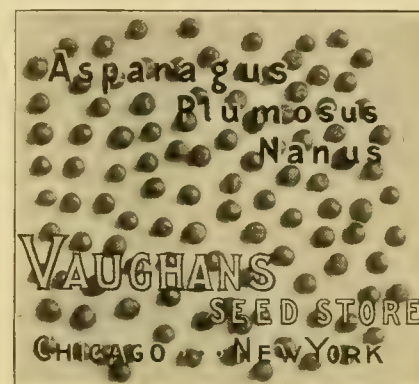
Growing Crops Given Personal Attention.

PANSY SEEDGiant Strain, Home-Grown.
50c per trade pkt.; \$1.50 per ¼ oz.; \$5.00 per oz.
Cyclamen Seed English strain, best
obtainable \$1.00 per
100; \$9.00 per 1000. Write us.**S. S. SKIDELSKY & CO.,**
1215 Betz Building, PHILADELPHIA, PA.

GET IT FROM

Oklahoma Seed Growers Co.1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.**Telegraph Code****Am. Seed Trade Association**

— \$2.00 —

Either stiff or flexible covers. Address orders.
American Florist Co., Chicago**New Crop**
Northern
Greenhouse Grown (ready)**Thorburn's Seeds****WE** have a very fine stock—Berlin
and Hamburg, best ever imported
—of Lily of the Valley Pips, in splendid
condition. Send your order without delay.\$10.00 per 1000 (in
1000 and 3000 cases)**J. M. THORBURN & CO.**110 years in business in New York City
33 Barclay Street - New York**Lawn Grass Seed****WHOLESALE ONLY.****J. OLIVER JOHNSON,**
1876 Milwaukee Ave., CHICAGO

Mention the American Florist when writing

The Early Advertisement
Gets There.

Gladiolus

Healthy and strong bulbs

For Forcing

First Size, 40 per cent 2-inch and over. per 1000

Augusta - \$16.00

Mrs. Fracis King 17.50

America - 25.00

250 at 1000 rate.

F. F. SCHEEL

Shermerville, Ill.

CARNATIONS CANNAS GLADIOLI

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Miscellaneous Plants

Smlax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100 \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

S. M. Isbell & Co.,

Jackson, Mich.

CONTRACT SEED GROWERS,

Bean, Cucumber, Tomato, Muskmelon, Squash, Watermelon, Radish, Sweet Corn.

Correspondence solicited.

S. D. WOODRUFF & SONS

SEED GROWERS

Dealers in Garden, Field and Flower Seeds

Specialties, Potatoes, Onion Sets, Garden and Flower Seeds. Contract Taken

Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK

Mention the American Florist when writing

Cold Storage LILY OF THE VALLEY FOR DECEMBER AND JANUARY FORCING.

New crop should never be used for December or January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for December and January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Narcissus Paper White Grandiflora

We can still supply a splendid lot of these bulbs in perfect condition. Bulbs have been held in cold storage, so that they are perfectly dormant. We offer two grades—13 c-m bulbs, 1,250 to the case, and 14 c-m bulbs, 1,000 to the case—which we will supply as long as unsold at \$10.00 per case in case lots.

Spirea.

Gladstone. Fine clumps. Case lot of 100 at \$8.00 per case.

Queen Alexandra. Fine clumps. Case lot of 100 at \$11.00 per case.

Lilium Giganteum and Multiflorum.

Giganteum. 7-9 inch bulbs, case of 200 at \$16.50 per case.

Multiflorum. 9-10 inch bulbs, case of 200 at \$17.00 per case.

Fine Named Hyacinths.

We have left a few thousand bulbs in the finest named Single and Double Commercial Sorts—La Grandesse, L'Innocence, Grand Maitre, Bouquet Tendre, Grandeur de Merville, La Tour d' Auvergne, Flero, Othello, etc., \$4.00 per 100.

Hyacinths. Separate Colors—red, white, blue. \$2.50 per 100.

Freesias. French, mammoth bulbs. \$6 per 1,000. Purity, \$10 per 1,000.

F. R. PIERSON CO.,

Tarrytown-on-Hudson, NEW YORK.

Mention the American Florist when writing

Forcing Spiraea Clumps, Gladiolus, Etc.

Spiraea Gladstone.....Per 100 \$8.50
Spiraea Florabunda.....5.00

Spiraea Superba.....Per 100 \$ 6.00
Spiraea Queen Alexandra.... 10.00

GLADIOLUS FORCING STOCK.

Blushing Bride and The Bride.....60c per 100, \$ 5.00 per 1000
Peachblow, delicate pink.....\$1.00 per 100, 9.00 per 1000
America 3.50 per 100, 30.00 per 1000
Mrs. Francis King.....2.00 per 100, 18.00 per 1000

THE STORRS & HARRISON CO., Painesville, Ohio

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy

SAN GIOVANNI A TEDESCO, near Naples

Established 1877.

Headquarters for CAULIFLOWER and WHITE TRIPOLI ONION SEED, (Crystal Wax) and all other VEGETABLE and FLOWER SEEDS.

THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

Mention the American Florist when writing

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

Mention the American Florist when writing

Spiraea Clumps

Gladstone.....Per 100 \$ 8.00
Floribunda.....6.00
Japonica 5.00

Lilies

Giganteum, 7-9,.....Per 1000 55.00
" 9-10,.....90.00
Multiflorum, 7-9,.....45.00

Vaughan's Seed Store,

Chicago. New York.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES,

Natick, Mass.

Fine Stock Plants

**Asparagus Plumosus
and Asparagus Sprengeri**

From 2¼-in. pots,
\$3.00 per 100; \$25.00 per 1000.

Smilax

From 2¼-in. pots, \$2.00 per 100.

Single Bedding Hyacinths

White, Red and Blue,
\$1.60 per 100; \$15.00 per 1000.

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,
ROCHESTER, N. Y., The Flower City.

Blooming Plants for Christmas

We have the following in blooming plants to offer:

Azaleas, all colors: **Poinsettias**, very fine; **Cyclamen**; **Primroses**, Chinese and Obconical; **Begonias**, **Luminosa**, bright red, **Gloire de Lorraine**; **Celestial Peppers** in ripe fruit; **Jerusalem Cherries**.

In decorative plants and greens we have: **Ferns**, all kinds and sizes; **Araucarias**; **Dracaeneas**; **Pandanus**; **Palms**, etc.

WRITE FOR OUR DIFFERENT PRICES.

Wreaths: **Holly Bouquet Green**; **Green Moss Wreaths** with **Cape flowers**; **Magnolia**, plain and with **Ruscus** and **Statice**, **Boxwood**, **Ruscus** and **Oak Leaves**.

Green Roping and **Blankets** for **Cemetery Decorations**. Send for our complete list.

Geo. A. Kuhl,
PEKIN, ILL.

**BEST
T H O S E S**

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

GLADIOLUS FOR FORCING

Specially graded for Florist Forcing, for delivery during November and December.

	Per 100	Per 1000
America, pink.....	\$3.50	\$30.00
Augusta, white.....	2.25	18.00
Mrs. Francis King, scarlet.....	2.75	22.50
Taconic, pink.....	4.50	40.00
Blushing Bride, white, pink blotch.....	.75	6.00

SPIRAEA STRONG CLUMPS, WITH PLUMP EYES

	Per doz.	Per 100
Floribunda.....	\$1.00	\$7.00
Gladstone.....	1.25	9.00

A. HENDERSON & CO.
352 N. Michigan Ave. Phone Randolph 2571 CHICAGO

Henry Fish Seed Co.
Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Lady Hillingdon Roses

Fine 2¼-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Franzen's Seeds Sure to Grow

Primula Chinensis, fine mixture, 100 seeds, 50c.
Cyclamen, giant strain, fine mixture of colors, 1000 seeds, \$3.50. **Cineraria Hybrida Grandiflora**, fine mixture, 100 seeds, 60c. **Stock**, Ten Weeks Double, fine mixture, oz., \$1.50. **Pansy**, giant strain, mixed, oz., \$1.25. **Pansy**, superfine, very large, mixed, oz., \$2.00. **Pansy**, superfine, very large, in separate colors, oz., \$2.50. **Lettuce**, Grand Rapids, per lb., \$1.00. **Radish**, Scarlet Globe, per lb., 75c.

F. O. FRANZEN, 1476 Summerdale Ave., Chicago

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

**Contract Growers of
High Grade Seeds**

**Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn**

Ferns for Dishes

Best varieties, 2¼-in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacts (new), to take the place of
Whitman. A better commercial fern; 2¼-in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON, Whitman, Mass.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 16.—Mushrooms, 20 cents to 50 cents per pound; lettuce 10 cents, small cases; radishes, 25 cents to 50 cents per dozen bunches.

New York, December 14.—Cucumbers, \$1.25 per doz. and \$2 to \$2.50 per box; mushrooms, 75 cents to \$2.10 per 4-pound basket; tomatoes, 10 cents to 15 cents per pound; radishes, \$1 to \$2 per 100 bunches.

Poultry and Market Gardening.

We often hear the remark that you cannot combine chickens and gardening. This is true in the sense that one cannot very well produce vegetables and chickens on the same space. However, as a business proposition, the two combine very well as one can be made to serve the other handsomely. The advantages are so many that we should try and overcome the disadvantages. In the first place, the gardener has the selling advantage, as the same people who buy his vegetables will buy his fowls and eggs. The common farm eggs are far from satisfactory, hence the gardener can command much higher prices than the average.

The second advantage is that much of the work falls into the winter months, also the returns. Still another benefit is the use of most every available remnant or waste to good advantage. The gardener is better able to produce eggs in winter than any one else. And last, but not least, a big poultry plant will almost solve the fertilizer question, for there is nothing superior to properly saved poultry droppings in the market garden.

By using up-to-date appliances, methods and feeds, it is comparatively easy to put this line on a good business basis. Five years ago we commenced in a small way, so as to learn as we went. We doubled each year and are now carrying about six hundred hens. We expect to double this again as we aim to have enough in time to keep one man busy always in this line. We used a part of this flock to patrol our spinach fields this fall against grasshoppers, which they did to perfection, doing us no noticeable damage. Where gardening is carried on in the country on a large scale a poultry plant, if well managed, would prove a valuable department.

MARKETMAN.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne Junc., N. J.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohi Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; **LETTUCE**, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.



Dry Weather Tomato

BEEBE'S EARLY PROLIFIC TOMATO

The earliest, most prolific bearer in existence. Does well on all kinds of soil, and on the poorest kind of soil last season, and without irrigation, yielded 620 bushels from less than one acre, when almost every other early variety was a failure; it being the driest, hottest, most unfavorable season ever known for them.

The cut is an exact photo, taken July 1, 1911, with 321 tomatoes. It is of the finest quality, medium to large for early ones, red with dark red flesh, small seed cells, a splendid keeper and shipper. Never affected with black rot.

Price of Seed, 25c per Package

Sold only by the Propagator and Introducer

THE BEEBE SEED COMPANY

Salina, Kansas

Vaughan's Chrysanthemum Stock Plants

Are Now Ready.

Large Flowering. Standard Sorts.

Singles.

Each, 25c; 3 for 65c; doz. \$2.50.

Each, 35c; 3 for \$1.00; doz. \$3.

Chadwick Supreme, pink.
December Gem, white.
Golden Chadwick, yellow.
Mrs. D. Syme, white.
Roman Gold, deep yellow.

Smith's Advance, white.
Timothy Eaton, white.
Wm. Chadwick, white.
Yellow Eaton, yellow.
Cosmos, deep pink.

Garza, white.
Lady Lu, white.
Lady Smith, pink.
Minnesota, blood red.

POMPONS. Each 35c; 3 for \$1.00; doz. \$3.00.

Alleen, pink.
Diana, white.
Emo, yellow.
Julia La Gravere, red.

La Purite, white.
Zoda, pink.
Minta, light pink.
Princeton, brick red.

Panama, deep red.
Prince of Wales, white.
Uneda, yellow.

31-33 W. Randolph St.
CHICAGO

VAUGHAN'S SEED STORE

Greenhouses and Nurseries, Western Springs, Ill.

25 Barclay St.
NEW YORK



Seasonable Plants

By the thousand all the winter through.

Godfrey Aschmann's quality, such as described below, now in prime condition.

AZALEAS.

Azaleas in Bloom, assorted colors, 75c to \$1.00; \$1.25 to \$1.50.

For Easter Blooming and for Easter we have the well-known American varieties, such as Mme. Van der Cruyssen, best pink; Paul Weber, De Schryveriana, John Llewellyn, Niobe (white), Apollo (red), and a few more good sorts. P. S.—Deutsche Perle, Simon Mardner, Vervaeana. Price 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

FERNS. Our Ferns Are All Pot-Grown.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, **sweet air**. Old, dark houses bring fungus and make spindly plants.

Neph. Giatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5 1/2 to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5 1/2 to 6-in., 40c to 50c; 7-in., 75c.

Boston, 7-in., as big as a washtub, \$1.00, worth \$1.50; 7-in., medium size, 75c; 5 1/2 to 6-in., 40c to 50c; 5-in., 35c.

Neph. Elegantissima Compacta, 6-in., 50c.

Neph. Scholzei, 7-in., as big as a bushel basket, \$1.00; 7-in., medium size, 75c; 6-in., 50c; 4-in., 25c.

Adiantum Hybridum, the new Maidenhair Fern, 5-in., 25c.

Cyr. Falcatum or **Holly Fern**. Everybody looks for Holly Ferns. We have large 4-in., 20c to 25c, 6-in. pans (azalea pots), made up of 3 large **Boston Ferns**, now very bushy, 35c, 40c to 50c per pan.

We have a big assortment of 2 1/2-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. pans made up of 3-in. **Wilsoni Ferns**, very attractive. Look! only 25c per pan for three big plants.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/2-in., \$3.00 per 100; 5 1/2-in., made up of three 4-in., 15 in. high six weeks ago, 35c to 40c.

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100.

Ficus Elastica, Belgium or American stock, 5 1/2-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Araucarias Our Specialty.

Araucaria Excelsa.

We are well prepared: have many thousands of them, the choicest stock Belgium could furnish us, and will be able to supply all wants in all sizes and prices. 5, 5 1/2, 6 and 7 in. pots, 3, 4, 5, 6 and 7 tiers, 12-14-16-18-20-25-30-40-50 in. high. Prices reduced one half. 40c, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Araucaria Excelsa Glauca and **Robusta Compacta**, April, 1911, importation, 6-7 in. pots, fine bushy plants, \$1.25, \$1.50, \$2.00 each.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Please state if pots are wanted.

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Begonia Glorie de Lorraine.

We have a house full and wish to sell them.

This is another great specialty of ours. We have grown them very extensively for the past twenty years. Our special treatment makes the flowers very bright. We have the **Bright Red** and the **Pink Lonsdale**. Have a houseful. Now ready in bloom for Christmas. 6-in. pots, 50c, 60c, 75c to \$1.00; 3-in. pots, 12c to 15c; 5 1/2 to 6-in. pots, 40c, 50c, 60c, 75c. We are always short of Begonia Glorie de Lorraine. Please order in time. But then our usual Christmas strain of **Begonia Improved Erfordi** are now ready; large 4-in., 15c to 20c.

We also have the finest **Begonia Glory of Cincinnati**, in bloom, 5 1/2 to 6-in. pots, 50c, 60c, 75c, \$1.00 to \$1.50; 4-in. pots, 35c to 40c.

Begonia Argentina Cristata, 4-in., 20c.

Now is the time to force **Hydrangea Otaksa**, pot-grown. Remember, only pot grown stock, like ours, will force successfully. 5 1/2-6-7-in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., in bloom, 15c; no flowers, 10c. Very bushy plants, 5 1/2-in., in bloom, \$3.00 per doz.; no flowers, 20c.

Primula Chinensis, John F. Rupp strain, in bloom, assorted, 5 1/2-in., only \$2.50 per doz.

Jerusalem Cherries (Solanum), 6-in., 25c, 35c, 50c; well berried, big plants only.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100.

Daisies, Sanderi, pure white, everlasting bloomer, 4 in. 10c.

Poinsettias, 4-in., 20c to 25c; 5 1/2-in., 35c to 40c.

Dracaena Terminalis, 7-in. pots, combination, 3 to 4 plants in a pot, well colored up, Asparagus Sprengeri or Ferns around; very fine; only \$1.00, worth double the amount.

GODFREY ASCHMANN,

Philadelphia, Pa.

Going-Going-Going Fast

but for all that, we still have some elegant stock left, but you had better speak quickly; only a couple of days left to get them in. At present our **Christmas Blooming Stock** consists mainly of

Azaleas, at from 75 cents to \$1.00 in all colors. **Poinsettia Pans**, at from 50c to \$1.50. Very Choice **Begonia Glory of Cincinnati** in full bloom, at from 50 cents to \$1.50 each; they sell on sight. **Cyclamen** in bloom, from 50c to \$1.25 each. **Primroses**, 5-in., \$2 50 per dozen.

Our Stock of Palms, Ferns, Araucarias, Rubbers and Dracaenas is complete; for prices, see following list:

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs. Prices on Application.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine **TABLE FERNS**, 12 varieties, 2 1/2 in., \$25.00 per 1000; \$3.00 per 100; 500 at thousand rate; 3-in., \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.

Pandanus Veitchi.

Fine colored stock.

5-in., \$1.00 each; \$9.00 per doz.
6-in., \$1.50 each; 18.00 per doz.
7-in., \$2.00 to 2.50 each; 24.00 per doz.

Dracaena Terminalis.

4 in., fine color, 25c each; \$2.50 per doz.
5 in., 50c each; 5.00 per doz.

Dracaena Massangeana.

Well colored, 6-in., \$1.25 to \$1.50 each.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.
4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-in., 50c; \$5.00 per dozen. Strong 3-in., short and bushy, just the thing for center dishes, 25c; \$2.50 dozen.

Extra Fine Rubber Plants.

6-in., 50c to 75c each

Asparagus Plumosus.

4-in. strong, \$10.00 per 100

FERNS.

Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100

6-in.	\$0.55	\$7.00	\$50.00
7-in.	0.75	9.00	
8-in.	1.00	12.00	
10-in.	2.50	30.00	
12-in.	3.50		

Cibotium Schiedei.

6-in., \$1.50 each

Palms—Areca Lutescens.

7-in., \$2.00 each

Ficus Pandurata.

7-in. 5 feet high, \$4.50 each

Send All Plant Orders Direct to

POEHLMANN BROS. CO., Plant Department,
Morton Grove, Illinois.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

FRESNO, CALIF.—The Fresno Nursery Co. has closed a contract calling for the delivery of more than thirty thousand fig trees to the California Farms Produce Co. before 1914.

SALT LAKE CITY, UTAH.—M. E. Christopherson was elected vice-president and general manager of the Salt Lake Nursery Co. recently to succeed Victor Christopherson, who resigned to attend to private business affairs. W. J. Horne remains secretary and treasurer of the company.

Chestnut Bark Disease.

It is probably not new to most of our readers that a very serious bark disease threatens the chestnut trees of Eastern America. Since its discovery, eight years ago, says the American Botanist, it has caused a loss of nearly twenty-five million dollars. The disease is a fungus and is spread by spores so small that singly they are invisible to the unaided eye, but their power for harm is in no way dependent upon their size. When the disease attacks a healthy tree it is only a matter of a few months before it succumbs. Great efforts are being made to stop the spread of the disease, thus far without much success. It was first discovered in the vicinity of New York City and already has spread to half a dozen near-by states. It is estimated that if the disease finally succeeds in exterminating all our chestnut trees, it will cause a loss of more than three hundred million dollars.

Arboretum at Kenyon College.

Kenyon College is a historic institution established early in the last century on an extensive landed domain surrounding Gambier village in Knox county, almost exactly in the center of Ohio. As the nucleus of an endowment fund a township containing four thousand acres of land was secured from the government when the college was founded. Portions of the original grant have been sold from time to time, so that there now remain about the village some three hundred acres, comprising one of the most beautiful natural college sites in America. On this tract, which is quite elevated and slopes on three sides to the charming valley of the Kokosing river, are to be found a variety of soils, ranging from sandy shale through loam in various degrees of fertility to rich alluvial land along the river's edge.

For the dual purpose of renewing the splendid growth of native oaks which covers much of this area and also of increasing the number of species in the forest a small nursery was established on the college lands by the forestry department of the Ohio Experiment Station in the spring of 1909. Many kinds of deciduous and evergreen trees, both native and exotic, were planted at this time and after two years of growth the young trees were transplanted to openings in the woodlands, which had been pre-

served as a forest park. Each succeeding spring plantings have been made in the college nursery, which now covers at least an acre of ground.

In addition to systematic groupings of species such as should be found in a large arboretum, a number of superb landscape features have been outlined and it is believed that in time Kenyon College will be able to boast the most finished piece of landscape forestry to be found in any part of our country. Extensive colonies of birch, flowering dogwood, wild crab apple, service, sourwood, American hemlock and many other species adapted to planting for decorative and ornamental effect will be suitably located at various points in Kenyon forest. By the river will be planted willows, alders, certain kinds of birch and other species succeeding best in moist soil. Individual specimens of such trees as concolor fir, Douglas fir, Japan larch, American hemlock, rare oaks, lindens, beeches and other valuable ornamental species will be located on prominent sites in the extensive college grounds. Well developed groups and specimens of trees growing on a site of marvelous natural beauty, forever in sight of classic gothic buildings in early English collegiate architecture, should in time effect a combination of art's beauty and nature's loveliness such as can probably not be surpassed any place this side of the Atlantic.

W. EMERSON BONTRAGER.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

MANETTI STOCKS.

5 to 8 m-m.....\$12.00 per 1000 3 to 5 m-m.....\$10.00 per 1000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

ENGLISH MANETTI STOCKS, GRAFTING SIZE

Ready for Immediate Delivery

\$13.00 per 1000. \$12.50 per 1000 in lots of 5000 or over.

THOMAS MEEHAN & SONS, DRESHER, PENNA.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.
Mention the American Florist when writing

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

Mention the American Florist when writing

Manetti Stocks

Per 100,000, 5-9 m-m, \$700; 4-5 m-m, \$500

BRIARS

1 year transplanted and seedlings, free from disease,

Per 100,000 5-9 m-m, \$400; 4-6 m-m, \$320; 3-5 m-m, \$240.

QUINCE

Transplanted, very strong, 7-12 m-m, per 10,000, \$50.00.

AMPELOPSIS VEITCHI

2 years transplanted, per 10,000, \$60.00.

A General Assortment of Fruit Trees and Nursery Stocks, Roses, Etc., Etc.

PACKING SECURED. CATALOGUE FREE.

G. BENARD, Nurseryman,

Olivet-Orleans, France.

Mention the American Florist when writing

"Get Them at Dreer's."

KENTIAS

While we are only offering Kentias in this advertisement, everyone in the trade knows that if he wants anything else in the line of Palms, be it a Decorative variety, or a Rare Collection Variety, he can "Get Them at Dreer's."



KENTIA BELMOREANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10.....	\$ 1.50	\$10.00
3	5	12	2.00	15.00
5	6 to 7	18 to 20.....	Each, \$ 0.75	
6	6 to 7	24	" 1.00	
6	6 to 7	28 to 30.....	" 1.50	
7	6 to 7	30 to 36.....	" 2.50	
8-in. tubs	6 to 7	45 to 48.....	" 5.00	
11 " "	7 to 8	4 1/2 ft. high.....	" 8.00	
12 " "	8 to 10	5 1/2 "	" 10.00	

KENTIA FORSTERIANA

In. pots	Leaves	In. high	Doz.	100
2 1/4	4	8 to 10.....	\$ 1.50	\$10.00
3	4 to 5	12 to 15.....	2.00	15.00
4	5 to 6	15 to 18.....	4.50	35.00
5	6	22 to 24.....	Each, .75	
6	6	28 to 30.....	" 1.00	
6	6	34 to 36.....	" 1.50	
7	to 7	36 to 40.....	" 2.00	
7	6 to 7	40 to 42.....	" 3.00	
8	6 to 7	45 to 48.....	" 4.00	
8	6 to 7	4 ft. high.....	" 5.00	
10	6 to 7 1/2	4 1/2 to 5 "	" 6.00	
11	7 to 8 5	5 to 5 1/2 "	" 8.00	
11	7 to 8 5 1/2	6 "	" 10.00	
12	7 to 8 6	" "	" 15.00	

KENTIA FORSTERIANA

In. pots	Plants in a pot	In. high	Each
5	4	20 to 24	\$ 0.75
In. tubs	Plants in a tub		
7	3	36	2.50
7	3	38	3.00
8	3	40 to 42	4.00
8	3	42 to 45	5.00
8	3	4 to 4 1/2 ft. high	6.00
9	3	4 1/2 to 5 " "	8.00
10	3	5 to 5 1/2 " "	10.00
12	3	5 1/2 to 6 " "	15.00
13	4	6 1/2 to 7 " "	20.00
15	4	7	25.00

Mixed Ferns for Dishes

While the "Dreer Grade" of Mixed Ferns has always sold for \$3.50 per 100, or \$30.00 per 1000 in competition with other stocks at \$3.00 per 100 or \$25.00 per 1000, we have decided to meet this price and our usual high grade plants will now be furnished at the reduced price of \$3.00 per 100; \$25.00 per 1000, but not less than 500 will be supplied at thousand rates.

**Send for our Special Holiday Offer of
Decorative Plants if you have
not received a copy.**

HENRY A. DREER, Inc.,

714 Chestnut St., Philadelphia, Pa.

The above prices are intended for the trade only.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

Mention the American Florist when writing

SUNBURST

Extra Choice Young Plants own root in 2 1/2-in. pots,
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100—Ready January 1st.

BASSETT & WASHBURN

Office, 131 No. Wabash Ave.
CHICAGO

Greenhouses,
HINSDALE, ILL.

The Early Advertisement Gets There

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$5.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Mention the American Florist when writing

Albany, N. Y.

William C. Gloeckner, 97 State street, has been named by Governor John A. Dix a delegate to represent the state at the National Rivers and Harbors Congress in Washington on December 5. Mr. Gloeckner is also president of the Boosters' club, which has lately taken up the subject of improvements in the local traction service and other subjects for the welfare of the city.

Mrs. M. Pfordt is conducting the retail business at 897 Broadway which for some years was run by Jarvis Pfordt, who died early this year.

R. D.

COUNCIL BLUFFS, IA.—The following officers were elected at the recent meeting of the Southwestern Iowa Horticultural Society in this city: M. J. Wragg, Des Moines, president; M. J. Worth, Mondamin, vice-president; G. H. Van Houten, Lenox, secretary; J. P. Hess, Council Bluffs, treasurer. All but Mr. Hess were re-elected. The directors are: F. P. Spencer, Randolph; W. C. Van Houten; Frank C. Pellett, Atlantic; C. A. Deur, Missouri Valley; Chas. O. Garrett, Mitchellville. Next year's meeting will also be held here.

Vaughan's Choice Forcing Stock

AZALEA MOLLIS.

	Each	Doz.	100
Bushy, full of buds.....	\$0.50	\$5.50	\$36.00

DEUTZIA GRACILIS.

	Each	Doz.	100
8-in. pots, 70-80 flowering branches.....	\$0.30	\$3.00	\$20.00
6-in. pots, smaller stock, good value.....	.20	2.00	15.00

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7 in. pots.
The four new varieties here are the best on the market. A trial will convince.

Avalanche. Pure white.
Mme. Emile Mouilliere. White crimped flowers.
Mme. Maurice Hamar. Flesh pink.

Any above, 3-4 flowering shoots,
each, 75c; doz., \$8.00.

Otaksa. 3-4 flowering shoots, each, 50c; doz., \$5.00; per 100, \$40.00. 5-6 flowering shoots,
each, 75c; doz., \$8.00; per 100, \$65.00.

Souv. de Mme. Chantard. Early dark pink.
3-4 flowering shoots, each, 85c; doz., \$9.00;
per 100, \$70.00.

BABY RAMBLERS.

Dormant, Field-Grown Budded Stock.

CRIMSON BABY.

	Each	Doz.	100
2-year.....	\$0.20	\$2.00	\$14.00
3-year.....	.25	2.50	16.00

JESSIE.

2-year.....	.25	2.50	18.00
3-year.....	.30	3.00	20.00

ORLEANS.

2-year.....	.30	3.00	20.00
-------------	-----	------	-------

PHYLLIS.

2-year.....	.20	2.00	16.00
3-year.....	.25	2.50	18.00

CLIMBING ROSES.

Each, 30c; Doz., \$3.00; 100, \$20.00.

American Pillar, single pink.

White Dorothy Perkins, double.

Each, 25c; Doz., \$2.50; 100, \$18.00.

Flower of Fairfield, double red.

Tausendschon, single pink.

	Each.	Doz.	100
Crimson Rambler, 2 yr.....	\$0.20	\$2.00	\$15.00
3 yr.....	.25	2.50	18.00
Dorothy Perkins, same as above.....	.50	4.50	35.00
Excelsa, New, 2 yr.....	.25	2.50	18.00
Lady Gay, 2 yr.....	.25	2.50	18.00
3 yr.....	.30	3.00	20.00

CHICAGO

31-33 W. Randolph St. Vaughan's Seed Store,

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK

25 Barclay St.



HYDRANGEA.

RHODODENDRONS.

Best named varieties, all colors.

	Each	Doz.
Bushy plants, 8 to 12 buds.....	\$1.00	\$ 9.00
Bushy plants, 12 to 18 buds.....	1.25	12 00
Bushy plants, 18 to 24 buds.....	2.00	20 00

Also a few Pink and White Pearl at a 50 per cent increase on these prices.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.... \$3.00 One Hundred rooted cuttings... \$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Shipments will start in December.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), Chrysolora,
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstaetter, (red), \$1.00 per doz.
Amorita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Primula Obconica, strong plants, in bud and
bloom, 4 inch, \$5.00 per 100, \$45.00 per 1000;
out of 2½-inch plants that will bloom for
Xmas, \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong,
2½ inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong,
2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch,
\$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith enough in the quality of my stock to guarantee its reaching you in good growing condition.

S. A. Nutt, \$12.50 per 1000.
Ricard and Poitevine, \$15.00
per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.



The Herald NEW SCARLET CARNATION

Winner over all other Scarlet Carnations the Past Two Years.

Winner of first prize, best 100 red, St. Paul, 1912.

Winner of first prize, best 100 red, Cincinnati, 1911.

Winner of first prize, best 100 red, Cleveland, 1912.

The Herald is the Best Commercial Scarlet for you to grow, because it will produce more perfect flowers in a season than any other scarlet and bring a higher price than any other; because the flowers are all perfect; stem stiff and keeps the longest. All rooted cuttings guaranteed strong, well rooted and satisfactory in every respect.

Rooted Cuttings Ready January 1, 1913. Price, \$100 per 1000.



200,000 Rooted Cuttings of the following ready for delivery January 1, 1912.
Place your order now.

	Per 100	Per 1000		Per 100	Per 1000
The Herald, scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink.....	3.00	\$ 25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Wodenethe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa, medium pink.....	4.00	35.00	Washington, dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder, pure white.....	4.00	35.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.

30 E. Randolph St.,

CHICAGO, ILL.

Chrysanthemums

Of all Descriptions.

NOVELTIES FOR 1913

And all the Best Standard Sorts.

Catalogue Ready in January.

The Best Double Red Geranium is

SCARLET BEDDER

FULLY INDORSED.

January delivery from 3-in. pots, \$1.50 per ten; \$12.50 per hundred.

Elmer D. Smith & Co.,
ADRIAN, MICH.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including Cyrtomium Falcatum, and Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

THE STORRS & HARRISON CO. - Painesville, Ohio.

PRIMROSES

Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots.....at \$1 50 \$12 00

ASPARAGUS

Plumosus, 2 1/4 pots..... 2 00 18 00
Sprengeri..... 2 00 15 00

VINCA VARIEGATA

Field Plant Cut back..... 5 00

CASH

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

CARNATIONS

Rooted Cuttings, Season 1912-1913.

December and January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas.....	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.

LA FAYETTE, IND.

Index to Advertisers.

- Advance Co The.....1322
 Albany Cut Flower Ex.....1299
 Alpha Floral Co.....1301
 American Spawm Col.....1310
 American Wooden
 Ware Mfg Co.....1324
 Ambling E C Co.....1295
 Anderson S A.....1301
 Andorra Nurseries.....1312
 Angermueller G H.....1294
 Apphine Mfg Co.....1322
 Archias Floral Co.....1304
 Aschmann Godfrey.....
1311
 Atlanta Floral Co.....1302
 Auburndale Gold
 Fish Co.....1294
 Bader Jno & Co.....1308
 Barnard The W W
 Co.....1282
 Barrows H H & Son.....1309
 Bassett & Washburn
1284 1313
 Bayersdorfer H.....1323
 Beaven E A.....1300
 Beebe Seed Co The.....1310
 Begerow's.....1304
 Benard G.....1312
 Berger Bros.....1296
 Berning H G.....1296
 Bernierman Bros Co.....1302
 Black Chas.....1308
 Bobbink & Atkins.....1312
 Boddington A T.....II
 Bodger J & Sons Co.....II
 Boland J B Co.....1301
 Bolgiano J & Sons.....II
 Rowe M A.....1303
 Bramley & Son.....1304
 Braslan Seed Grow
 Co.....1306
 Breitmeyer's J Sons.....1302
 Brown Alfred J Seed
 Co.....1306
 Brown Bag Filling
 Machiue Co.....1309
 Bruns H N.....II
 Buchanan A & Son.....1300
 Buchbinder Bros.....1322
 Buckbee H W.....1304
 Budlong J A.....1291
 Burpee W A & Co.....II
 Caldwell the Woods
 man Co.....1300
 California Seed Grow
 Assn.....1306
 Camp Conduit Co.....1324
 Carbone Philip L.....1304
 Chattahoochee Flo Co.....1300
 Chicago Carn Co.....1315
 Chicago Flower
 Growers Assn.....1293
 Chicago House
 Wrecking Co.....1323
 Clark E B Seed Co.....II
 Clark G R.....1320
 Clark's Sons David.....1303
 Cleveland Cut
 Flower Co.....1393
 Conard & Jones.....1309
 Cooke Geo H.....1301
 Cotsonas Geo & Co.....1300
 Cowee W J.....1320
 Coy H C Seed Co.....1309
 Craig Robt Co.....1315
 Critchell C E.....1297
 Cross Eli.....1314
 Cunningham Jos H.....1315
 Currie Bros Co.....1294
 Dailledouze Bros.....1314
 Dammann & Co.....1308
 Daniels & Fisher.....1303
 Dards Chas.....1302
 Deamud J B Co.....1290
 Denault & Son.....1306
 Detroit Flower Pot
 Mfy.....1324
 Dietsch A & Co.....IV
 Diller Caskey &
 Keen.....1322
 Dillon J L.....1309
 Dingee & Conard Co.....1309
 Dornier F & Sons.....1315
 Dothiday J L.....1300
 Dreer H A.....1313, 1324, 1323
 Duerr Chas A.....1304
 Dunlop John H.....1303
 Dwelle - Kaiser Co
 The.....1322
 Edwards Folding
 Box.....1316
 Elk Galax & Fern
 Co.....1300
 Emmans Geo M.....1314
 Erie Floral Co.....I
 Erne & Klingel.....1292
 Esperance L Nurs.....1312
 Ever Ready Flower
 Pot Cover Co.....1292
 Eyres H G.....1303
 Fish Henry Seed Co.....1309
 Florists' Hail Assn.....1323
 Foley Mfg Co.....IV
 Fottler, Fiske,
 Rawson Co.....II
 Franklin Plant Farm.....1310
 Franzen F O.....1309
 Fraser Samuel.....1312
 Freeman Mrs J B.....1304
 Freeman & Sons S.....1321
 Freres D E.....1284
 Froment H E.....1299
 Galvin Thos F.....1303
 Garland G M.....1321 111
 Gasser J M Co.....1303
 Geny Bros.....1304
 Giblin & Co.....1322
 Godineau R & M.....1307
 Gorham & Chapline.....1321
 Grand Rapids
 Flower Co.....1303
 Groves Robert.....1300
 Gude Bros.....1302
 Gutman Alex J.....1299
 Hatcher, Florist.....1304
 Haven Seed Co The.....1307
 Heacock Jos Co.....1305
 Heil John & Son.....1301
 Henderson A & Co.....1309
 Herr Albert M.....1314
 Herrmann A.....1322
 Hess & Swoboda.....1302
 Hews A H & Co.....1324
 Hilfinger Bros.....1324
 Hines E Lumber Co.....1323
 Hitchings & Co.....1298
 Hoerber Bros.....1295
 Hoffman Flo Artist.....1303
 Hoffmeister Flo Co.....1297
 Holm & Olson.....1302
 Holton & Hunkel Co.....1296
 Home Cor School.....1315
 Hooker H M Co.....1323
 Huor Edgar F.....1309
 Igoe Bros.....1316
 Illinois Pipe Mfg Co.....1321
 Isbell S M & Co.....1308
 Jackson & Perkins.....
1312, 1314
 Johnson J Oliver.....1307
 Johnson WW & Son.....1307
 Johnston Glass Co.....1320
 Jones Percy.....1288
 Kasting W F Co.....1297
 Keller Geo & Sons.....1324
 Keller JB & Sons.....1304
 Kellogg Geo M.....1301
 Kennicott Bros.....1295
 Kervan Co The.....1299
 Kessler W A.....1299
 Kift Robt.....1303
 King Construct Co.....1321
 Kohr A F.....1324
 Kramer I N & Son.....1324
 Kroeschell Bros Co.....1321
 Kruchten John.....1294
 Kuehn C A.....1296
 Kuhl Geo A.....1309
 Kyle & Foerster.....1295
 LaCrosse Floral Co.....1301
 Lager & Hurrell.....I
 Lange A.....1301
 Landreth Seed Co.....II
 Lecakes N L & Co.....1299
 Lederer.....1322
 Leedle Bros Co.....1309
 Lehman Bros.....1320
 Leonard Seed Co.....1307
 McCallum Co.....1297
 McConnell Alex.....1301
 McCoy L W.....1304
 McCullough's J M
 Sons Co.....1297
 McHutchinson & Co.....II
 McKellar Chas W.....1295
 McKenna P & Son.....1303
 Mailing W M.....1316
 Mangel.....1301
 Mann Otto.....1307
 Matthews Florist.....1303
 May & Co L L.....1301
 Meconi Paul.....1297
 Mehan & Sons Thos.....1312
 Metropolitan Mate
 rial Co.....1321
 Mette Henry.....1310
 Meyer John C & Co.....1300
 Michigan Cut Flower
 Exchange.....1300
 Miller E S.....1307
 Moninger J C Co.....IV
 Montreal Floral Ex.....1297
 Moore, Hentz &
 Nash.....1299
 Morehead Mfg Co.....1323
 Mt Gilead Pottery
 Co.....1324
 Munk Floral Co.....1297
 Murray Samuel.....1302
 Myers Florist.....1304
 Nat Flo B of Trade.....1323
 N Y Cut Flower Ex.....1299
 Niessen Leo Co.....1297
 Oechslein Frank.....1309
 Oklahoma Seed Gro
 Co.....1307
 Palmer W J & Son.....1302
 Park Floral Co.....1302
 Parker John L.....1304
 Peacock Dahlia Fmsl.....1310
 Pedrick Geo & Son.....1308
 Pennock-Meehan Co.....1299
 Penn the Florist.....1302
 Peters & Reed Poty.....1324
 Peterson & Sons J A.....I
 Pierson A N (Inc).....1305
 Pierson F R Co.....I 1308
 Pieters & Wheeler
 Seed Co.....1306
 Pillsbury I L.....1321
 Pinkston Jas E.....1300
 Pittsburgh Cut Flo Co.....1297
 Podesta & Baldocchi.....1303
 Poehlmann Bros Co
1283 1285 1311
 Pollworth C C Co
1296 1303
 Pulverized Manure
 Co.....1322
 Quaker City Machine
 Works.....1316
 Raedlein Basket Co.....1288
 Randall A L Co.....1295
 Randolph & Mc
 Clements.....1323
 Ratekin's Seed H'sel.....1307
 Rawlings Elmer.....1308
 Ready Reference.....1317
 Reed & Keller.....1323
 Regan Ptg House.....1321
 Reid Edw.....1297
 Reinberg Geo.....1295
 Reinberg Peter.....1289
 Reuter Chris.....1307
 Rice Bros.....1296
 Rice & Co M.....1300
 Robinson J C Seed Co.....II
 Rock W L Co.....1302
 Roemer Fred.....1307
 Rohner Seed Co.....II
 Rossi Angelo J.....1302
 Rutzahn Seed Co.....II
 Rusch G & Co.....1296
 Saakes O C.....1303
 Saltford Flower Shop.....1302
 Scheel F F.....1308
 Schilder Bros.....1307
 Schiller, the Florist.....1304
 Schillo Adam.....1316
 Schlatter W & Son.....1316
 Schling Max.....1304
 Schmidt J C.....1314
 Schulz Jacob.....1302
 Scott John.....1314
 Shaffer Geo C.....1303
 Sharp Partridge & Col.....1320
 Siebrecht & Sie
 brecht Inc.....1299
 Situation & Wants.....1281
 Skidelsky S S & Co.....1307
 Smith A W & Co.....1303
 Smith E D & Co.....1315
 Smith & Hemenway.....1322
 Smith Henry.....1303
 Smith Wm C.....1296
 Smith W & T Co.....I
 Stearns Lumber Co.....1320
 Stothoff H A Co.....1322
 Storrs & Harrison.....
1308 1315
 Sunlight Double
 Glass Sash Co.....1320
 Superior Machine
 & Boiler Works.....1322
 Syracuse Pottery Co.....1324
 Taylor Steam Trap
 Co.....1321
 Texas Seed & Flower
 Co.....1301
 Thompson Car Co.....1313
 Thorburn J M & Col.....1307
 Totty Chas H.....1309
 Trimble W E
 Greenhouse Co.....1295
 Valentine Frank.....1301
 Vaughan A L & Co.....1293
 Vaughan's Seed Store I
1290 1292 1307 1308
1310 1314 1323 1324
 Vestals.....1304
 Vick's Sons Jas.....1309
 Vincent R Jr.....I 1310
 Virgin U J.....1304
 Vonder Linden J.....1298
 Waban Rose Cons.....1309
 Wagner Park Cons.....1324
 Walker F A & Co.....1304
 Ward & Co R M.....II
 Weiland & Risch.....1295
 Welch Bros.....1218 1297
 Western Seed &
 Irrigation Co.....1307
 Wietor Bros.....1286 1295
 Wilks S Mfg Co.....1322
 Williams Mrs E A.....1304
 Wilson R G.....1301
 Winandy M & Co.....1316
 Windler Wholesale
 Florist Co.....1296
 Wittbold G Co.....1301
 Wittbold Henry.....1295
 Wolfskill Bros &
 Morris Goldenson.....1303
 Wood Bros.....1313
 Woodruff S D & Son.....1308
 Yokohama Nurs Co.....II
 Young & Nugent.....1301
 Zech & Mann.....1294
 Ziska Jos.....1295



Mention the American Florist when writing

Wm. Mailander Greenhouse Contractor Morton Grove, Ill.

Estimates for greenhouse construction work in 1913 can be furnished now.

Mention the American Florist when writing



No loss if you
mend your
split carna-
tions with
**Superior
Carnation
STAPLES**
50c per 1000
postpaid.
Wm. Schlatter



BEFORE
422 Main St., Springfield, Mass.
AFTER

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or
three circles. En-
dorsed by all the
Leading Carnation
Growers as the best
support on market

Pat. July 27, '97. May 17, '98

**GALVANIZED WIRE
ROSE STAKES.**

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.

BROOKLYN, N. Y.

Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

**Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices**

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St. CHICAGO
Telephone Ravenswood 607.

The Early Advertisement Gets There

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 50c each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmons, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz; Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2½-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2½-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus nanus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. V.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Bawlings, Olean, N. Y.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ASPIDISTRAS.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green, 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas, Verveneana, Mme. Petrick, Mme. Ernst Eckhaute, Mme. R. De Smet, Heye, Simon Mardner. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azalea mollis, full of buds, 50c each; \$5.50 per doz.; \$36 per 100. Vaughan's Seed Store, Chicago and New York.

Azaleas at from 75c to \$1, all colors. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c; 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c; 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, in full bloom, 50c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Gloire de Lorraine, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spireas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs. Liliun longidorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs, Gladiolus and spirea. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vicks' Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

CARNATION CUTTINGS.

For December delivery.

	Per 100	Per 1,000
Wodenesthe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. BLITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago.

Carnations, rooted cuttings, strong, healthy stock out of sand. Winsor, Victory, \$1.50 per 100; \$13 per 1,000; White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000; White Enchantress, \$2.50 per 100; \$22 per 1,000. 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Geranium Scarlet Bedder, 3-in. pots, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Carnations. For prices and varieties see advertisement elsewhere in this issue. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailedoune Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

CHRYSANTHEMUMS.**CHRYSANTHEMUMS, STOCK PLANTS.**
From Prize Winning Stocks.
WHITE.

	Pr. Doz.	Pr. 100
Peacock, early	\$.125	\$8.00
Auroba	.75	5.00
Venetia	.75	4.00
Smith's Advance	.75	4.00
Early Snow	.75	4.00
President Taft	.75	4.00
Lynwood Hall	.75	4.00
White Jones	.75	4.00
White Chadwick, Improved	1.00	6.00
Timothy Eaton	.75	4.00
Elsie Papworth	.75	4.00
Alice Byron	.75	4.00

YELLOW.

A. F. Felton, late med.	\$.100	\$6.00
Golden Glow	.75	4.00
Donatella, early	1.25	8.00
Col. Appleton	.75	4.00
Golden Wedding	.75	4.00
Chrysolora	1.50	10.00
Golden Eagle	.75	4.00
Bonnafton, yellow	.75	4.00
Yellow Jones	.75	4.00

PINK.

Maud Dean, late	\$.75	\$4.00
Dr. Enguebard	.75	4.00
Gloria	.75	4.00
Unaka	.75	4.00
Balfour	.75	4.00
Rosiere	.75	4.00
Pacific Supreme	.75	4.00
Mayor Weaver, medium	.75	5.00

BRONZE COLORS.

Reginald Vallis, medium	1.00	6.00
C. C. POLLWORTH CO.,		Wis.

CHRYSANTHEMUMS.

Stock Plants.

	Per doz.	Per 100.
Chrysolora	\$.150	\$10.00
Timothy Eaton	.60	3.00
Yellow Eaton	.60	3.00
H. W. Chadwick	.60	3.00
Col. Appleton	.60	3.00
Godfrey's Eclipse	.75	4.00
J. K. Shaw	.60	3.00
Wm. Duckham	.60	3.00
Intensity	.60	3.00
Beatrice May	.75	4.00
Donatello	1.00	6.00
F. E. Nash	.75	4.00
Pres. Taft	.60	3.00
F. S. Vallis	.75	4.00
Mrs. C. J. Nell	.75	4.00
Wells Late Pink	.75	4.00
Pres. Roosevelt	.75	4.00
A. J. Balfour	.75	4.00
Mayor Weaver	.75	4.00
Maj. Bonnafton	.60	3.00
White Bonnafton	.60	3.00
Mrs. H. W. Robinson	.60	3.00

LA CROSSE FLORAL CO.

LA CROSSE,

WIS.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTHEMUMS—Crocus, \$1.50 per doz.; \$9 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonnafton, Golden Wedding, Touset and Halliday, \$4 per 100. Otto J. Hembelker, Lincoln, Ill.

Chrysanthemums, stock plants, Smith's Advance, \$3.50 per 100; Golden Glow, \$3.50 per 100; White Chadwick Improved, \$5 per 100; Yellow Bonnafton, \$3.50 per 100. Benjamin Avenue Nursery, Grand Rapids, Mich.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Ell Cross, Grand Rapids, Mich.

Chrysanthemums. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, 4-in., \$2 per doz.; 5-in., \$4; 6-in., \$8. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen in bloom, 50c to \$1.25 each. Poehlmann Bros. Co., Morton Grove, Ill.

DAISIES.

Daisies, Sanderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaenas, Bruntl, Linden, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5 per 100; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

DEUTZIA.

Deutzia gracilis, 8-in., 70-80 branches, 30c each; \$3 per doz.; \$20 per 100; 6-in., smaller stock, 20c each; \$2 per doz.; \$15 per 100. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz.; 5-in., \$3 per doz.; 6-in., \$9 per doz.; 7-in., \$12 per doz.; 10-in., baskets, \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacts, 2¼-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Assorted ferns, Cyrtomium Pal., Aspidium Tenn., Pteris Serrulata, etc., \$3 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Cibotium Schlegel, 6-8-in., \$1.50, \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2¼-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, \$3 per 100; \$25 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweana, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus pandurata, 7-8-in., \$2.50 and \$3.50. Elastica, 4-in., 25c each; 5-in., 35c each; 7-in., branching, 75c to \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poltevine, \$15 per 1,000. S. S. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poltevine, Marq. de Castellane, S. A. Nutt, Jean Viald, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mrs. Barlow, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 4c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Springfield, O.

Geraniums, 2-in., Roseleur, Nutt, Dagata, Ricard, Red Wing, Viald, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dutton, Pamela, Mrs. Annie Vincent, Poltevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens, evergreen wreathing, for prices see advertisement elsewhere in this issue. Bulk bouquet green, XXX holly, boxwood, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Greens, wreaths, holly, bouquet green, green moss wreaths, magnolia plain and with ruscus and static, boxwood, ruscus and oak leaves. Green roping and blankets for cemetery decorations. Geo. A. Kuhl, Pekin, Ill.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Holly, fancy Eastern, per case, \$4.50; 3 cases, \$13; 5 cases, \$20. The W. W. Barnard Co., 231-235 W. Madison St., Chicago.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Baby Christmas trees (spruce), 30c each; \$2.50 per doz.; \$16 per 100. Winterson's Seed Store, 166 N. Wabash Ave., Chicago.

Greens, Bronze galax, 40c per 1,000. Dagger ferns, 60c per 1,000. Rock ferns, 35c per 1,000. Aaron Buchanan & Co., Hawk, N. C.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Iron Mountain Galax, green and bronze, 50c per 1,000; \$4 per 10,000. Cash with order. J. R. Cox, Grant, Va.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Smilax, 2½-in., \$2 per 100. James Vicks' Sons, Rochester, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangeas for forcing, 6 to 7-in. pots. Avalanche, Mme. Emilie Mouillere, Mme. Maurice Hamar, 3 to 4 flowering shoots, 75c each; \$8 per doz. Otaksa, 50c each; \$5 per doz.; \$40 per 100; 5 to 6 shoots, 75c each; \$8 per doz.; \$65 per 100. Souv. de Mme. Chantard, 3 to 4 shoots, 85c each; \$9 per doz.; \$70 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangeas for forcing 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½, 6 and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVIES

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips, Berlin and Hamburg, \$10 per 1,000, (in 1,000 and 3,000 cases). J. M. Thorburn Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250. Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English, grafting size, \$13 per 1,000; \$12.50 per 1,000 in 5,000 lots. Thomas Meehan & Sons, Dresher, Penna.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c; 6-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 6-in., \$1 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana, Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. Areca lutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. Areca lutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, 2¼-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed. R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias, 3-in. pots, 15c each; 4-in., 25c; 5-in. pans, 35c; 6-in., 3 to 4 in a pan, 50c; 7-in., 75c; 8-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Poinsettias, pans, 50c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primula Chinensis, 4-in., \$1.50 per doz.; 5-in., \$2. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primroses, 5-in., \$2.50 per dozen. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER PRIVET.—The hardiest privet grown, 12 to 18 inch, \$2, per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C.

RHODODENDRONS.

Rhododendrons, 8 to 12 buds, \$1 each; \$9 per doz.; 12 to 18 buds, \$1.25 each; \$12 per doz.; 18 to 24 buds, \$2 each; \$20 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blanchés, Hermosa, White Cochet, Anna Muller, Ping Cochet, White La France, Clothilde Soupert, Mme. Abel Chatnay, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$2.50 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

Roses, climbing and Ramblers. For varieties and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Rose Erna Teschendorf, 4-in. pot plants, 25c each; \$2.50 per doz.; 2-year dormant, \$5 per doz. Vaughan's Seed Store, Chicago and New York.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Rose Lady Hillingdon, 2¼-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, cudive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaffe & Son, Carignan, France.

Seeds, garden and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Seeds, Beebe's Early Prolific tomato, 25c per package. The Beebe Seed Co., Salina, Kans.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, sweet peas, tomatoes. Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds, sweet peas, also radish and lettuce. S. Bryson Ayers, Independence, Mo.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Braslan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Pochtmann Bros. Co., Morton Grove, Ill.
 Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.
 Onion seed and onion sets. Schilder Bros., Chillicothe, O.
 Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.
 Smilax, Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 80c per 1,000 in 10,000 lots, Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmaus, Newton, N. J.
 Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure, The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 320 W. Randolph St., Telephone, Haymarket 152, Chicago.

INSECTICIDES.

The K's Insecticide, Fertilizer and Disinfectant Nozzle, with "Fermentizo," \$2. Jos. Kopesay, So. Bend, Ind.

MISCELLANEOUS.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Coal, hard coal, chestnut, pea and buckwheat, No. 1, No. 2, No. 3. G. R. Clark, 124 Washington Ave., Scranton, Pa.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 302 Blackhawk St., Chicago.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York; Jas. W. Erringer, western sales agent, 20 E. Randolph St., Chicago.

Glass, Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hillinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Glend Tile & Pottery Co., Mount Glend, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohr, 2934-38 Leavitt St., Chicago.

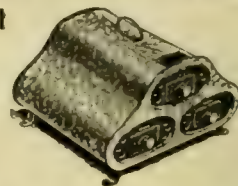
Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**

Send for descriptive circular to

LEHMAN BROS., JAS. W. ERRINGER,
MANUFACTURERS,
10 Bond St., NEW YORK. 20 E. Randolph St., CHICAGO



COAL. COAL. COAL. Hard Coal!

I am able to supply the following sizes of coal to florists in most any locality:

Chestnut, Pea and Buckwheat,
No. 1, No. 2 and No. 3.

Communicate with me, if in need.

G. R. CLARK,
124 Washington Ave., SCRANTON, PA.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
 Sam plefree. For sale by dealers.

GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.
CHICAGO, ILLINOIS

THE JOHNSTON GLASS CO.
Hartford City, Ind.
Bent Glass
Ground Glass

REFRIGERATORS.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5c; 500 for \$3; \$5.50 per 1,000.
 Pine Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.



Give Your Plants All the Sun.

You can do so by simply using the **Sunlight Double-Glass Sashes** on your hot beds and cold-frames. A ¾ inch layer of dry air between the layers of glass affords ample protection. No mats or other covering ever needed.

They let in all the light and all the heat that the sun's rays carry. But they never permit the stored heat to escape or the outside cold to enter.

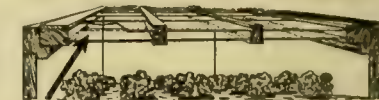
With these sash half the labor and cost are saved; and far better and earlier plants secured. They give you flowers and vegetables when they are luxuries.

Many Thousands Giving Perfect Service.



Get These Two Books—One is our **FREE** Catalogue; the other is Prof. Massey's **Handbook of Cold-frames and Hot-beds**, sent for 4c in stamps.

Sunlight Double Glass Sash Co.
934 East Broadway, Louisville, Ky.



The double layer of glass does it.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
 Send for our Circulars.
The A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

KING GREENHOUSES.

WATCH
FOR
OUR
NEW
ADVERTISEMENTS FOR 1913 BUSINESS
THEY WILL BE WORTH WHILE.

Write for Information and Estimates.

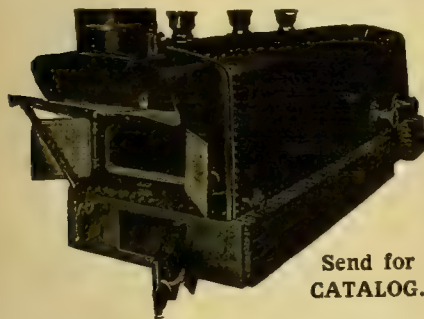
KING CONSTRUCTION CO.

Home Office and Works
N. Tonawanda, N. Y.

New England Sales Office
7 Water St., Boston, Mass.

The KROESCHELL BOILER

Was installed to heat over ten million (10,788,000) square feet of glass during the past five years.



Send for
CATALOG.

The Kroeschell Boiler

Will give you more heat with the same piping required by other boilers, and with less fuel.

Kroeschell Bros Co.,
452 W. Erie Street,
CHICAGO.

METROPOLITAN MATERIAL CO.

PATENTED

Greenhouse Boilers and
Construction Material

Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.



Split Carnations
Easily Mended with
Pillsbury Carnation Staple

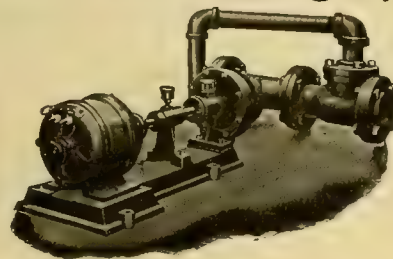
We find it very satisfactory.
J. L. DILLON.
Can't get along without them.
J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY,
Galesburg, Ill.

Trade Directory

PRICE: \$3.00, postpaid
AMERICAN FLORIST CO.
440 S. Dearborn St., CHICAGO

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Mention the American Florist when writing

Mr. Retailer:

Your last chance. You know the "Early Bird catches the Worm." Be sure to be "early." Our **\$400 Iron Frame Greenhouse** is what you are after. Write us today and we will tell you all about it. Our offer can't be beaten.

Geo. M. Garland Co.

Lock Box S.

DES PLAINES, ILL.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,
2113 S. Jefferson St., CHICAGO
Mention the American Florist when writing

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes, Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

Mention the American Florist when writing

Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew rust and
bench fungi. Unlike Bordeaux and lime, and
sulphur it does not stain the foliage, but
cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.

MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.



**Pulverized or Shredded
Cattle Manure**

**Pulverized
Sheep Manure**

Unequalled for Greenhouse Fertilizing.

Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.

32 Union Stock Yards, Chicago

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

— Send For Prices —

404-412 East 34th St. NEW YORK.



ADVANCE

We manufacture Ventilating Apparatus and green-
house fittings. Our New Catalog is now ready and we
would like to send you one. Write for one.

Let's start figuring on this material. You won't need it
perhaps for a while, but it will do no harm to write a few
letters and have everything clear in your mind before you
start. Write us today.

Advance Co., Richmond, Ind.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS



This is but ONE of those famous

"Red Devil" Glass Cutters

that the skilled glazier uses; and if the glazier uses it you should also. You want to cut your glass as
quickly and satisfactorily as the skilled glazier does. He has no breakage because he always insists on
"Red Devil" glass cutters. We want to convince you that genuine "Red Devil" glass cutters have no
equal, so send us five 2c stamps and one sample of No. 023 "Red Devil" shown above will be sent you
postpaid. (We make over 3000 different "Red Devil" Tools.)

SMITH & HEMENWAY CO.,

501 Chambers St., New York, U. S. A.

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

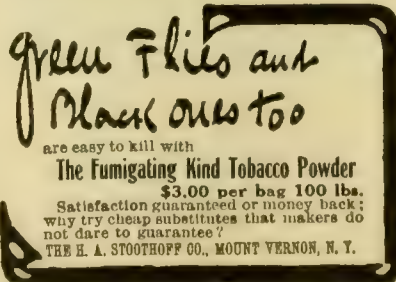
SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO



Boilers OF HIGH GRADE.

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:
80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

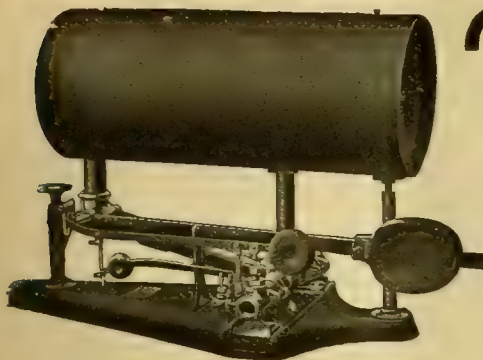
"SUPERIOR" HOT WATER BOILERS For Greenhouse Heating.

Made in 9 Sizes.

Superior Machine and Boiler Works.

846-848 W. Superior St.,
Chicago, Ill.

Mention the American Florist when writing



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

New York
Chicago

Wichita, Kan.
New Orleans, La.

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for
our Special Heating Catalog No. 47. Estimates
furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

**Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.**

Mention the American Florist when writing

Attention! Glass Buyers!! GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing

VAUGHAN'S

PERFECTION
SIZE 2½ POINT

No. 2. Large single
thick glass.
No. 2½. Double
thick.
Price, per 1000, 55c;
by mail, 70c; 5,000,
by express, \$2.50.

**VAUGHAN'S
SEED STORE**
Chicago, New York

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Mention the American Florist when writing

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, ¾ and
1½. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50
15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

The Early Advertisement Gets There

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS

WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Pearson Street LONG ISLAND CITY, N. Y.

Established 1765

CAMBRIDGE, MASS



1000 Ready Packed Crates Standard Flower Pots and Bulb Pans

Can be shipped at an hour's notice. Price per

crate:			
2000 1 1/4-in...	crate, \$6.00	456 4 1/2-in...	crate, \$5.24
1500 2 "	4.88	320 5 "	4.51
1500 2 1/4 "	5.25	210 5 1/2 "	3.78
1500 2 1/2 "	6.00	144 6 "	3.16
1000 3 "	5.00	120 7 "	4.20
800 3 1/2 "	5.80	60 8 "	3.00
500 4 "	4.50		

Hilfinger Bros. Pottery, Fort Edwards, N. Y.

August Rolker & Sons, 31 Barclay St.,
New York City Agents.

Our Specialty: Long Distance and Export trade.

Mention the American Florist when writing

Those Red Pots "STANDARDS"

Full size and wide bottoms.

BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'Y

HARRY BALSLEY,
Rep.Detroit, Mich.
490 Howard St.

Standard Flower Pots

Porosity and Strength
Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St.,

CHICAGO



GEO. KELLER & SON,

Manufacturers of

Red Pots

Before buying write for prices.

2614-2622 Herndon St.,
CHICAGO

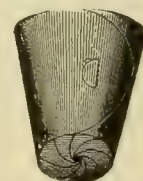
DREER'S "Riverton Special" Cedar Plant Tub



No.	Diam.	Ea.	Doz.	100
10	20 in.	\$1.45	\$16.00	\$130.00
20	18 in.	1.30	14.00	115.00
30	16 in.	1.00	11.25	92.00
40	14 in.	.65	7.00	56.00
50	12 in.	.45	5.00	40.00
60	10 in.	.38	4.00	32.00
70	in.	.30	3.50	28.00

Manufactured for us exclusively. The best tub ever introduced; the neatest, lightest and cheapest. Painted green, with electric welded hoops. The four largest sizes have drop handles.

Henry A. Dreer, Seeds, Plants, Bulbs and Supplies, 714 Chestnut St., Philadelphia, Pa

Waterproof,
Don't Break,
Cost Little

NEPONSET

Flower and Vegetable Waterproof

Paper Pots

Vaughan's Seed Store, Agents,
CHICAGO and NEW YORK.

Shippers may use them and save their customers many dollars in express charges.

Mention the American Florist when writing



All Kinds. FLORISTS' RED POTS All Sizes.

Just the kind you want on your benches. You can't beat them in any way.

Ask about our new line of **MOSS AZTEC WARE**, consisting of
Jardinieres, Fern Pans, Vases, etc. It's the hit of the season.
The Peters & Reed Pottery Co., South Zanesville, Ohio

Mention the American Florist when writing



Write for Catalogue, Tree Tubs and Brass Hoop Jardinieres.

The extension stave foot prevents the bottom from rotting. No chance for water to collect and rot the staves.

The American Wooden-ware Mfg. Co.,
 Toledo, Ohio, U. S. A.

—BURNED CLAY—
TILE BENCHES and TILE BOTTOMS
 Give results. Three styles of benches, including
 Iron Pipe Frame, with Tile Bottoms and Sides.
 Write for descriptive circular and delivered
 prices. Any size benches.

TILE SIDES.

THE CAMP CONDUIT CO.,
 Garfield Bldg., Cleveland, O.

Kramer's Pot Hangers

For sale by Wholesale Seedsmen, Florists
and Supply Dealers.Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.
I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

CHERRY RED

Standard Flower Pots



Write us for prices.

We will furnish you the best quality cherry red pot at a price that will save you money. Try us and satisfy yourself.

The Mt. Gilead Pottery Co.,

Mt. Gilead, Ohio.

Mention the American Florist when writing


Wagner Plant Boxes
 are the best and cheapest in the market for palms, boxwood, bay trees, etc. They are attractive in design, strong and durable suit able for either indoor or outdoor use. Made of cypress which gives them a lasting quality. We manufacture various styles and sizes. Write for prices.

Wagner Park Conservatories, Sidney Ohio

THE AMERICAN FLORIST



America is "the Prow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, DECEMBER 28, 1912.

No. 1282

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second-Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY
AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—RICHARD VINCENT, JR., White
Marsh, Md., President; AUGUST POEHLMANN,
Chicago, Vice-President; JOHN YOUNG, 54 West
Twenty-eighth street, New York, Secretary; W. F.
KASTING, Buffalo, N. Y., Treasurer.

OFFICERS-ELECT—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

THE DOMESTIC PARCELS POST.

Parcels Post General Provisions.

It is gratifying to note that at last the congress, before its final adjournment in August, passed almost unanimously an amendment (Section 8) to the Post Office Appropriation Bill (Public No. 336) providing for three kinds of parcels post, two of which are to have a weight limit of eleven pounds, and one a weight limit of four ounces, at different rates, to become operative January 1, 1913.

The present parcels weight limit of four pounds is thus extended to eleven pounds, and conforms with that of several foreign countries. Fourth-class mail matter is to embrace all other matter, including farm and factory products, not now embraced in either the first- second- or third-class, not exceeding eleven pounds nor larger in size than seventy-two inches in length and girth combined, and not likely to injure in form or kind the person of any postal employee or damage the mail equipment or other mail matter and not of a character perishable within a period reasonably required for transportation and delivery.

The postal rate of this class is to vary in amount according to the distance the parcel is to go. This, we believe, will be the most vexatious and annoying feature of the new plan, and contrary to the purpose of our general postal usage, that is, one rate regardless of the distance traversed. The country outside of the Philippine Islands is to be divided up into units of area thirty miles square, which forms a so-called "postal" center, and postal maps or plans are to be put up everywhere showing the location of these numerous centers. The immediate place where the sending party happens to live is called Zone No. 1, and within a radial distance from the center of this zone of 50 miles a package weighing one pound or a fraction of a pound can be sent for five cents and three cents for each excess pound or fraction of same.

Zone No. 2 includes a radial area of 150 miles from the center of Zone

No. 1, with a rate of six cents for the first pound or fraction of same and four cents for each additional pound.

Zone No. 3 includes a radial area of 300 miles beyond the center area of No. 1, with a rate of seven cents for the first pound or fraction of same and five cents for each additional pound or fraction thereof.

Zone No. 4 includes a radial area of 600 miles from the center area of Zone No. 1, with a rate of eight cents for the first pound or fraction thereof and six cents for each additional pound or fraction of the same.

Zone No. 5 includes a radial area of 1,000 miles from the center area of Zone No. 1, with a rate of nine cents a pound or fraction thereof and seven cents for each additional pound or fraction of the same.

Zone No. 6 includes a radial area of 1,400 miles from the center area of Zone No. 1, with a rate of ten cents for a pound or fraction thereof and nine cents for each additional pound or fraction of same.

Zone No. 7 includes a radial area of 1,800 miles from the center area of Zone No. 1 with a rate of eleven cents for the first pound or fraction thereof and ten cents for each additional pound or fraction of same.

Zone No. 8 includes all territory from the center of Zone No. 1 beyond the 1,800 miles of Zone No. 7 and any portion of the United States, District of Columbia, Philippine Islands, and United States Territories at a rate of twelve cents a pound or fraction of a pound and twelve cents for each additional pound or fraction thereof.

An appropriation of seven hundred and fifty thousand dollars was made to defray the cost of special equipment, maps, stamps, directories, etc., and the postmaster-general is given authority to increase or decrease the rates subject to the approval and consent of the Interstate Commerce Commission after investigations to insure sufficient revenue to adequately pay the cost of the service.

The postmaster-general is also authorized to provide indemnification of

Index to Advertisers,
Page 1366

Ready Reference Advt.,
Page 1367

Help and Situations Wanted,
Advertisements,
Page 1333

shippers, for shipment injured or lost, by insurance or otherwise, and when desired for the collection on delivery of the postage and price of the article sent, and to fix the necessary charges.

There is provided also a rural free delivery and local parcel post for delivery on a route from one person to another or to the central postoffice limited to a weight of eleven pounds for a single parcel with a rate of five cents for the first pound or fraction thereof and one cent for each additional pound or fraction of same.

The third kind of parcels post is unrestricted as to territory limits, and is general in its operation, but the weight limit is four ounces, and the rate is one cent per ounce or fraction thereof. This rate is the same as the existing parcels post.

There is no doubt of the success and value of this new parcels post legislation, and it will certainly advance the interests of all merchants throughout the country. S. A.

Seedsmen and the Parcels Post.

We note that postmasters have received maps and final instructions upon the conduction of the parcels post which goes into effect January 1.

The parcels post has resolved itself into just what I have all along contended that it would under the zone system. It would have better been named "farical post."

The dividing of the country into squares as originally proposed has shown itself so complicated that the postoffice department has adopted the eight concentric circles about each postoffice.

These circles are misleading in that they are 50, 150, 300, 600, 1,000, 1,400, 1,800 and beyond miles in diameter, not in radius, so that, for illustration, taking Painesville as a center, we have circles with only 25, 75, 150, 300, 500, 700 and 900 miles radius.

The man this parcels post was intended to benefit, the farmer, is for the following reasons hit the hardest: Farm products are barred from parcels post only under certain conditions of packages and distances. Again, if John Smith, ten miles out on rural route 4 wants to mail a package to his friend Henry Jones, in Peoria, Ill., he must drive ten miles to Painesville to mail his package, because his rural carrier does not know what zone Peoria is in, and he cannot carry distinctive parcels post stamps, or the nice large 20-foot map of the department, and lastly because the rules say parcel's post packages must be mailed at the postoffice or designated depositories as it will not be collected by carriers.

I contend now, as always, that the zone system will produce exactly the opposite of what the friends of the real parcels post desire; that parcels post is not practical because it will be proved too complicated and expensive to maintain, caused by its limited use.

This is exactly the condition that will arise, for if the farmer has to drive miles to obtain the use of a service that ought to come to him, he won't use it and the great problem of reduced cost of living and the like predicted benefits will go unsolved.

It seems to me that the seed trade has reaped the greatest blessing out of this tangled mass, and that is that we still enjoy a flat rate of eight cents

per pound, regardless of distance, and that we have gained the right to increase the weight of our packages from four to eleven pounds.

The value of this privilege should be apparent to every right thinking person in the trade, for the only possible saving would be made on packages going within the radius of 150 miles and we are relieved of the necessary complications of zoning.

As to stamping, the law is quite clear. The seed trade must use distinctive parcels post stamps, but only to the value of $\frac{1}{2}$ cent per ounce regardless of distance.

Taking all disadvantages into consideration, we think the wording of the clause exempting seeds, plants, bulbs, roots, etc., from the complications of the present parcel's post is most fortunate, and that we are (as a trade) to be congratulated in having been so provided for.

W. F. THERKILDSON.

Painesville, O.

Hydrangea Arborescens For Easter.

ED. AMERICAN FLORIST:—

What treatment should Hydrangea arborescens get to have in bloom for Easter, 1913? Should plants having 3-foot canes be cut back?

K. F. Co.

To get Hydrangea arborescens in bloom for Easter, 1913, will be rather difficult, especially if plants are not well prepared, that is, if potted early or pot-grown. They require the same treatment as the well-known Hydrangea paniculata grandiflora. Cut back young growths to 3 or 4 eyes, give them rich soil, and start plants in a temperature of about 45 to 50 degrees and, when growth is well advanced, increase heat according to time they are required to be in flower, 70 to 75 degrees. The treatment is about the same as for other hydrangeas.

JULIUS ROEHRS.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Flower Designing at University of Illinois

The display of floral work which was arranged and exhibited at the auditorium of the University of Illinois at Urbana, Ill., on April 20 by the students in floriculture, which was announced in THE AMERICAN FLORIST and illustrated in issue of May 4, page 868, was greatly admired by the twelve hundred visitors who had the opportunity to inspect it. The students were assisted by Miss Emily Dorner of Lafayette, Ind., not only in their arrangement of the flowers, but also in displaying the artistic work. There were twenty different floral arrangements shown including bridal flowers, corsages and boutonnieres, bouquets, baskets and the several funeral designs, illustrations of some of them appearing in this issue. They were all catalogued and described for the benefit of those who attended the exhibition of the students' skill and knowledge which had been acquired in the course of lectures and laboratory work which was taken at the university and completed on April 4.

The Crepe Spray.

SEE SUPPLEMENT WITH THIS ISSUE.

The retail florist who is building up a business cannot give too much attention to the furnishing of flowers for funerals. Scarcely a day passes without work of this character, and much of the time it will be found to have totaled more of the day's business than all other departments. For an occasion of this kind one of the first orders is for the crepe or door spray, which is used either in place of the undertaker's ribbon or in connection with it, and is attached to the same side of the door, at the bell pull. The most



FLORAL WORK AT UNIVERSITY OF ILLINOIS.

Crescent Wreath of Magnolia Leaves and Roses.

popular arrangement for this purpose is the spray, not the regulation bunch, but a draping or ribbon like effect, made of asparagus or strings of smilax for the foundation and on which are fastened the flowers to be used.

First, from a hook or projection about five feet from the floor suspend the strings of asparagus made up from sprays or naturally grown, or the strings of smilax. I prefer the asparagus as it affords more support for the flowers. This foundation should be about four feet in length and eight to twelve inches wide and gathered in with the wire which is to support it about eight inches from the top. When this is suspended against any convenient place, the flowers are wired on, beginning at the bottom and working up, the flowers all pointing downward. This work can also be done with the spray laid out on a table, but when suspended quite a number of flowers will be hidden, while those placed on the green as it is suspended will all show when it is finally in place. The top should be finished with a bunch of the flowers used but placed with the flowers up.

There is a very great variety of flowers suitable for these arrangements, carnations, roses, violets, pansies, asters, lilies of the valley, orchids, in fact almost any flower can be used to answer the purpose. A ribbon bow with long streamers not too wide is often used to give a finish but is not required when used in connection with that placed by the undertaker. There are many other arrangements for this purpose, chief amongst them being the wreath. Wreaths of galax with ribbon (with or without flowers), wreaths of flowers, white for young people and purple (as of violets, pansies, or purple asters for elderly persons) are frequently called for. An oval crescent form is very suitable for this work. Clusters of long stemmed roses tied with long streamers of ribbon are suitable. Sometimes for a child the draping takes the form of a number of narrow ribbon streamers to which are tied, with bows of the same ribbon, lilies of the valley or small white buds. A pair of sago palm leaves with a cluster of purple peonies tied with broad purple ribbon is appropriate for an elderly person. Being suspended in the outside air which quickly wilts many kinds of flowers the order is generally for renewal each day, although at times the spray returned is found to be remarkably well preserved. K.

Christmas Plants in New York.

We who are old enough may with profit compare the plant productions that are today seen in the stores with those of twenty years ago. The ericas, azaleas, poinsettias, begonias, aucubas and ardisias that are now seen at Christmas would have been revelations to our fathers. Other stocks might be mentioned, but we name these as illustrations. When to the foregoing are added the many new devices, thanks to our dealers in florists' supplies, for exploiting what we have, we may be pardoned for taking some pride in the Christmas offerings of 1912.

It is true that the past autumn was particularly favorable for plant development, so much so in fact that it was sometimes feared that stock would advance too rapidly. In some instances that may have happened but the net result, as we see it, is a magnificent

exhibit. The ericas (or in deference to our Scotch friends, the heathers) were never so beautiful and they are leading features in all the best stores. Furthermore, it is surprising where they all come from. It has long been known that L. Dupuy, and Pankok & Schumacher of Whitestone, L. I., A. Schulthies of College Point, L. I., and H. D. Darlington of Flushing, L. I. were growers of this stock, but this year they have broken all previous records.

There is another section to be considered. Patrick O'Mara once said that "we always want to know what they are doing over in Jersey." Therefore, we must state that good plants of all commercial varieties are on the market from the ranges of the Julius Roehrs Co. and from Bobbink & Atkins, both firms being located at Rutherford, N. J. The camellias and begonias of the Lorraine type, grown at the Roehrs range are striking features of the trade.

Thus far we have not noticed any very striking plant novelties. In the process of evolution, it cannot be said to be a novelty that stocks grow better from year to year. In fact, we expect these plant specialists to do a little better from year to year and for this year we cheerfully advance them several points. There is a pink poinsettia on the market, but we do not think much of it because it is not a good pink. Large plants of the imported holly are very fine and are noteworthy features in some of the stores. The azaleas are magnificent. We do not recall a Christmas when so many large and well flowered azaleas were seen in the stores. The poinsettias, too, are very fine, although there is yet room for improvement in the way some growers arrange them in pans for the market. The stalk of a poinsettia that has dropped all the lower leaves is rather unsightly. A few plants of asparagus or some of the small ferns worked in makes a great improvement.

A splendid feature is the ardisias and there are many of them. Their glossy green foliage and great clusters of red berries seem so appropriate that even the red ribbon with which most of them are decorated seems scarcely to be necessary. While along the same lines the aucubas are noticeable, they do not appeal to us as do the ardisias. The camellias are very fine and it is a matter for congratulation that these old favorites are again prominent. For the begonias of the Lorraine type a good word must be said, relating to beauty, but this year they seem to be rather unsatisfactory on account of their non-keeping qualities. The autumn was so warm that they came on too fast.

The crotons, the dracenas in variety, the ferns and various other foliage and flowering plants all have a part in enhancing the beauty of the retail stores. There is in some stores a certain amount of artificial plant stock, which is not ugly, but we wish it was not there. With the present great resources of natural plant stock to draw from we believe every retailer can find something better than artificial stock. If it must be sold let somebody other than a florist do it. A. F. F.

DAYTON, O.—According to newspaper reports. Geo. Bartholomew, for ten years manager of the Miami Floral Co., has severed connection with that concern and will engage in the cut flower business for himself.

Retail Stores in Brooklyn, N. Y.

Robert G. Wilson's store and conservatory at Greene avenue near Fulton street was beautiful for Christmas with the choicest productions in flowering plants, a particularly fine feature being the ericas or heather. The facilities for handling and caring for stock are excellent, Mr. Wilson having a considerable additional glass area at 341 Greene avenue. He has always a fine lot of young stock growing on and is always prepared to cover every feature of the trade. He has always been fortunate in his selection of assistants. One of the recent additions to his force is John Ross, who for six years was in charge of the floral decorations at Sherry's famous New York restaurant.

Frank McKee's store and conservatories at Fulton street and Classon avenue are the show places of that particular section of the city. One of the striking features prominent in the store is the beautiful aquarium where a great collection of gold fish disport themselves. There are many other artistic features in the furnishing of this store. The conservatories and store are well stocked with fine flowering and foliage plants and the visitor is sure of cordial and considerate treatment.

William H. Mallon has recently opened a fine store at the corner of Fulton street and Lafayette avenue. The facilities for window display on this corner are particularly good and Mr. Mallon, who has had long experience in the business, is making the most of it for the holidays.

The Lafayette Florist Co., 652 Fulton street, of which H. I. Bailey is manager, has a good store, well stocked with seasonable productions.

The store of James Mallon's Sons is one of the institutions which cluster around the Brooklyn Borough Hall and the members of the firm are striking and familiar figures. The Brooklyn citizen who can remember the time when James Mallon or his sons were not selling flowers in that borough must be classed among the fathers and elder statesmen. They have two stores, one at Borough Hall and one on Smith street. Both are now beautiful for the Christmas season and show that the proprietors have kept pace in the march of horticulture.

Another notable Brooklyn store is that of John Weir. The wholesale district of New York would miss him more than any other man that we can think of, for he is his own buyer and is a good one; but aside from the financial consideration, he is always sunny tempered and cheerful, and these qualities are very desirable, particularly on dull days. Mr. Weir does a very large business and is also one of the men who has grown up with the flower business, or it might be better to say that the flower business has grown up with him. A. F. F.

SPIRIT LAKE, IA.—Judson Klein, proprietor of the Spirit Lake Greenhouses, has let the contract for moving his buildings from his father's farm to his own property on Anna street. He has 4,000 square feet of glass and has grown cut flowers and bedding plants for the last three years. He will soon add another greenhouse, 16x18 feet, to his plant.

PEOPLE WE KNOW.

John Miesem.

John Miesem, trustee-elect of the New York Florists' Club, was born in Coblenz, Germany, near the historic Rhine, 47 years ago. He learned the cut flower business in his native land, which, it may be said in passing, has turned out quite a number of good florists.

Twenty-seven years ago he came to this country and for four years worked as a journeyman at different establishments. Twenty-three years ago he started in business for himself at his present location, Elmhurst, L. I. He has at times grown a variety of stocks, but is now a specialist in the forcing of *Lilium giganteum*.

Just how successful Mr. Miesem has been will be shown by the statement that he supplies four different wholesale houses of New York with a daily cut of blooms, and it looks to us as though he may be able to take on a few more in a short time. His simple but direct methods would be a revelation to some growers.

He has an estimable wife and five children, the oldest being well grown. The youngest is a jolly little toddler still much interested in Christmas toys. Mr. Miesem has been a member of both the S. A. F. and the New York Florists' Club for a number of years, and is also a member of the New York and New Jersey Plant Growers' Association. He is a Mason and is also a member of the Astoria bowling team and a good bowler. A. F. F.

George Dickson.

THE IRISH ROSARIAN HONORED.

The National Rose Society of England at its December meeting by unanimous vote awarded the Dean Hole memorial medal to George Dickson, as head of the firm which in the opinion of the members of this famous society has done most for the rose. The personal friends of Mr. Dickson and the many friends of the firm in this country will certainly be glad to learn of this signal honor.

George Dickson entered upon his eighty-first year in July, 1912, and while relieved from active work by his sons, he is still greatly interested in the annual introductions of the firm of which he has so long been head. As most American florists know, the firm of Alexander Dickson & Sons, Ltd., of Belfast and Dublin, has its nurseries at Newtownards, County Down, Ireland.

Mr. Dickson has been certainly very fortunate in having the assistance and hearty co-operation of his six sons. Of these sons Alexander Dickson and George Dickson are now the hybridizers and growers of new roses at Newtownards. Thomas Dickson is manager of the farm, while Andrew Dickson is manager of the rose gardens at Dublin. Hugh Dickson, so well known as an expert, both in sweet peas and culinary peas, is manager of the seed business. The legal end of the business is under the able control of Gordon Dickson, solicitor in Belfast, who a few years ago protected the right of the name Alexander Dickson by securing letters patent for the distinctive name "Hawlmare" as applied to roses, plants and seeds.

The accompanying photograph of George Dickson will be interesting,

not only to his many personal friends in America, but also to thousands of florists who have grown Killarney, Liberty, Mrs. Jardine and Melody. The lovely "Fireflame" about to be introduced will still further advance the prestige of the premier rosarian.

Among the garden peas sent out by Alexander Dickson & Sons are Pilot, the largest podded first early smooth pea, and Royal Salute, the most popular of all large podded late peas in England. Among the sweet peas are Florence Nightingale, Irish Belle and Vermilion Brilliant, all three of which are deservedly popular in America.

Mr. Dickson has received many other marks of appreciation, including the Victoria medal of honor con-



George Dickson.
The Irish Rosarian.

ferred by the Royal Horticultural Society of England in 1907 for distinguished services to horticulture. In the unusual business activity of a long life he has found time for much public spirited work, having been president of the Newtownards Horticultural Society for upwards of 50 years. He has been a member of his local board of guardians for a long period and chairman of that body for five years and he has included the duties of justice of the peace in his regular routine.

Origin of the Spencer Sweet Peas.

In addition to the sweet pea Countess Spencer, raised by Mr. Cole, a similar variety was grown about the same time by E. Viner, Frome, England, who tells the story of his production in a letter written last spring to a member of the Horticultural Club of London.

"As an artisan living close on the town," writes Mr. Viner, "my garden has always been very limited, and therefore I have to make a selection of what serves, or what I like best.

"It must have been in the spring of 1900 I procured a few seeds each of 'Prima Donna,' and 'Lovely,' with the object of choosing the one I liked best, and my choice fell on 'Prima

Donna.' I quite discarded 'Lovely.' The following year I grew 'Prima Donna' from seed I saved myself, and quite late in the season I noticed a spray of two blooms (on 'Prima Donna') at the extremity of a shoot with a peculiar crimped character. I worked them and allowed them to seed (no other flowers appeared), and I obtained seven good seeds.

"The following year I planted them in due course, and all germinated, and, to my delight, five retained the wavy character. The other two were 'Prima Donna'—pure. But the wavy ones were glorious in the fine weather of early July. Now the Bath show (roses, etc.), was, and is now, held about the second week in July, and I took a bunch of the blooms and got them placed before the judges and committee, who gave me a certificate for it, and, on the spur of the moment, at the suggestion of others, it was named 'Nellie Viner.' I. House was at the show and saw the flowers, and wrote me later with the object of buying it. Later in the season I sent blooms to Mr. Eckford, to whom I eventually sold.

"Through this part of the country it is well known that I secured this variety in the way described, but the fact has apparently never reached those in high places.

"Mr. Wright, in his book, 'Beautiful Flowers and How to Grow Them,' says in his chapter on sweet peas, that the variety was raised by some amateur, but by whom or where he was unable to say.

"Of course, I know Mr. Cole's variety was put on the market first, Mr. Eckford being obliged to grow another season, as the stock was small. Mr. Eckford was also informed that the variety on the market was something like his; he therefore dropped the idea of another name and sent it out as his superior stock of 'Countess Spencer.'

"I think had it not been for me, one of the fine forms of this charming flower would never have been known.

"Therefore, while this is being discussed, if you could bring my small share in the work before the liberal minded among those who form the moving spirits, and could do ever so small a good for me, I should be exceedingly grateful."

Mr. Viner's story is rendered pathetic by the fact of recent ill health, he having been compelled to relinquish his trade of electrotyper and to live on the scanty allowance of a sick society and what his wife is able to earn. Vernon Hill, one of the vice-presidents of the National Sweet Pea Society of England called on Mr. Viner recently and found him to be in need of aid. The general committee of Mr. Hill's society voted £10 to begin a testimonial fund for Mr. Viner, and W. Cuthbertson, of Dobbie & Co., Edinburgh, agreed to act as treasurer of a committee appointed to receive contributions.

SAN FRANCISCO, CALIF.—Geo. C. Roedig, chief of the department of horticulture of the Panama-Pacific International Exposition, has been authorized to make the announcement that a prize of \$1,000 will be offered for a new rose to be named in honor of the exposition.

WITH THE GROWERS

Robert Scott & Son, Sharon Hill, Pa.

When a grower is looking around for something new in the rose line, he is pretty sure to visit the Scott Nursery at Sharon Hill, Pa., look the stock over and have a talk with that sterling rose enthusiast Alexander Scott, than whom there is no better judge of what it takes to make a good commercial rose. For years new forcing roses have been a specialty with

which was largely grown. He also sent out the Killarney, which did not find favor at first, its good qualities not being discovered until Benjamin Dorrance of Wilkesbarre, Pa., gave it the proper treatment and it responded with flowers that took the New York market by storm and caused an instant demand for the stock from all parts of the country. In this season's selection Mr. Scott says he feels sure he has from four to six red roses any one of which promises to be better than Richmond. The advent of the

best of this lot will be watched for by all growers, for the rose that beats the Richmond must be "some" rose.

Several new ones that will go out next season and which will likely be seen in the shows this fall and go the round of the florists' club meetings appear to have all the earmarks of sterling novelties. The first is Irish Fire Flame, a rose with only five petals but before it opens it is a long pointed bud which holds its bud shape for a long time and only opens wide in a very hot room. Its color is its strong point, it being like a flame, or as near as any rose has gotten to it as yet. It is a rich copper, reddening at the tips of the petals the base being a lighter yellow. It is borne on a long, stiff, wiry stem well clothed, with foliage of a rich shade of green on top and a decided copper color underneath. The strong shoots (the plant is a very strong grower and looks as if it will be very prolific), bear a cluster of buds which if the center one is taken out will all come forward at the same time. Mr. Scott says it is not for summer forcing, but for the six months in the year when cut flowers are in demand he predicts it will cut possibly more than any other variety.

Janet is another new one that will attract the attention of all growers. It is a good, full bud on a stout stem, color, old gold turning to a rosy salmon. A vase of it is certainly very striking. All the popular new yellow toned roses, of which Mr. Scott had benches of each under cultivation, Lady Hillingdon, Melody, Mrs. Aaron Ward, were brought out and vases of each, together with the two new ones, Irish Fire Flame and Janet, gave a pleasing chromatic effect that I am sure was never presented before.



ROSE JANET, GROWN BY ROBERT SCOTT & SON, SHARON HILL, PA.

Mr. Scott. He is the agent in this country for Alexander Dickson & Sons of Newtownards, Ireland, the grower of "Hawlmarm" roses. Hawlmarm means the best.

Mr. Scott pays a visit to this famous rose growing establishment every summer when the 20,000 seedlings are in flower and spends two weeks making notes day by day, selecting finally about fifty sorts that seem to him to have the necessary qualifications or to the best of his judgment that appear promising and worth a trial under glass in this country. Choosing the right varieties from the many seedlings offered is indeed a difficult task, for many sorts that are beautiful in color, form, habit of growth and productiveness as seen in the outdoor beds there prove failures in America, not forcing well or not producing enough flowers to make them profitable, or perhaps possess too much hybrid blood and are dormant when they should be flowering.

Two years ago Mr. Scott selected forty-five sorts, but out of the lot he has found only two varieties that are likely to be worth sending out. This pursuit of novelties is a lottery and a very expensive part of the business, but when one does strike a good thing the public responds liberally, and even large stocks are not found sufficient for the demand. Mr. Scott sent out Liberty, which was a most sterling novelty and a money maker for several years, until succeeded by the Richmond. Mrs. Jardine was another



NEW IRISH ROSE FIRE FLAME.

From Robert Scott & Son, Sharon Hill, Pa.

Another new one is a sport of Killarney, which originated here. It is called Killarney Brilliant, and is such a decided red that it might be called scarlet. Great care is taken in selecting only plants that when flowering, come up to and hold the color of some of the plants that have been selected as standard. This is likely to be grown in quantity.

In speaking of sports, Mr. Scott said there were freak and legitimate sports. The freak is one that was a break that failed to show the characteristics of the parent plant, the foliage would be different and generally the good points of the parent were not present. Legitimate sports are like the white Killarney, the Bride and the Bridesmaid. These show their parentage without doubt and the addition of the new color makes them very valuable.

The Maryland is seen here for the last season as Mr. Scott says it only comes in paying crops from March to October and then brings very little money, so it must make way for something more profitable. A house of Mrs. Taft looked well and had done splendidly all summer. There was white Killarney, both Budlong's double and the single of Montgomerys'. He could not get stems in the Budlong variety.

The largest house in the place, and it is a large one, was filled with pink Killarney, 26,000 plants which looked very promising. A house or two of chrysanthemums, mostly Chadwicks, showed splendid growth. They were what Mr. Scott called a catch crop

to fill in while another crop of roses were getting ready. Gardenias are a feature here, Mr. Scott being very successful with this flower. The plants all show remarkable vigor. They are planted out on tables and for the most part are covered with buds in all stages of growth. There are 8,000 plants in all. Strong bottom shoots were pushing out which it was said would furnish the second crop of flowers after the holidays. Mealy bug easily finds lodgment with the gardenia. At one time insecticides were tried and applied liberally even to the detriment of the plants. They find now that the best insect destroyer is water scientifically applied. A fine, well directed spray washes any insects from the plants. There was no evidence of bugs or insects of any kind, the plants being clothed with a brilliant, glossy, green foliage that is a pleasure to see. All manure used is first steamed. The purpose is mainly to get rid of the ammonia. The first vapor that rises from the steaming tanks is very heavily charged and it is almost impossible to stand in the immediate vicinity. The manure is also softened so that it becomes more soluble and is more readily taken up by the roots of the plants.

ROBERT KIET.

INDIANAPOLIS, IND.—C. N. Lindley of Salem was re-elected president of the Indiana State Horticultural Society at its fifty-second annual meeting recently held in this city. Vice-presidents from each congressional district (except the thirteenth, where a choice will be made later) were elected.

Chicago Growers Visit Joliet, Ill.

About 30 people, mostly growers, accepted the Chicago Carnation Co.'s invitation to be their guests on Wednesday, December 18, when an excursion was given to the company's greenhouses, so that all those interested could see the new scarlet seedling carnation, The Herald, growing. Manager A. T. Pyfer accompanied the party on the train to the range at Joliet, about 45 miles from Chicago, where luncheon was served immediately after arrival. After the inner man had been satisfied an inspection of the greenhouses began and the first thing that attracted the attention of everybody present was the general neatness of the place and the fine condition of the stock. Of course, The Herald was the main object of everyone's visit, for this new scarlet carnation has for the past two years won first prize over all reds in the 100 class wherever it has been exhibited. It was not necessary for Superintendent Olsem to point out the good features of this carnation, as it is growing in his firm's greenhouses, for it certainly did look fine and one could not help but agree with him when he said that if the dealers could all see it growing they would place their orders for cuttings immediately.

The Herald is the result of a cross between two scarlet seedlings, Nos. 50 and 49. Seedling No. 50 was a seed parent of Harlowarden which was originated by the late James Hartshorne, and was an exceptionally strong, robust grower, producing very



GARDENIAS AT ROBT. SCOTT & SON'S, SHARON HILL, PA.



NEW CARNATION THE HERALD GROWN BY CHICAGO CARNATION CO., JOLIET, ILL.

fine flowers on short, stiff stems. It was such a fine free bloomer that instead of discarding the variety it was given to a small florist to see what it would do in a small commercial place where it did so well as a commercial carnation that Mr. Hartshorne again secured some of the plants, which were still in his possession at the time of his death. No. 49 was a bright scarlet on long stems, therefore The Herald favors its seed parent in every particular except that it has a longer stem and a brighter color. It was among the first carnations produced by Peter Olsem. The growth is somewhat on the order of Enchantress; very strong and a darker green with thinner grass; a much faster grower, producing fine large flowers on strong, stiff stems which develop much quicker than Enchantress. The plants make a good growth in the field; lift easily and establish themselves in a remarkably short time after lifting.

This firm has about 300,000 carnation cuttings in the sand, including a goodly number of The Herald, and the following varieties, which it also grows: Rosette, Wodenethe, Gloriosa, Pink Delight, Conquest, White Wonder, White Enchantress, White Perfection, Enchantress, Princess Charming, May Day, Rose Pink Enchantress, Washington, Alvina, Victory, Scarlet Glow, Bonfire and Beacon.

After a thorough inspection of the

entire plant the party was escorted to the depot by Messrs. Pyfer and Olsem, who were heartily thanked for their kind hospitality. The following is a complete list of the visitors: J. C. Bruckner, A. F. Longren, Jas. Morton, J. McNulty, J. L. Derries, Hugo Luedtke, Geo. B. Dawes, Walter Ameling, Nick M. Potchen, Nick Steinmetz, Fred Stielow, Jr., E. H. Blameuser, Edw. A. Ollinger, S. A. Jamieson, H. Blewitt, Sol. Garland, Fred Hinks, F. C. Hoerber, W. H. Ameling, Wm. Wicklendahl, Walter Burhop, Wm. Fluegge, Jacob Meyers, John Wieland, James Psenicka, Jos. P. Brooks, N. J. Kruchten and John Ristow.

The Fuller's Teasel.

Without doubt, the name of fuller's teasel (*Dipsacus fullonum*) is much more familiar to botanists than the thing itself. Even the "common" teasel (*Dipsacus sylvestris*) appears to belie its name in certain regions, for the latest edition of "Gray's Manual" makes it "rather rare." Along the main lines of travel in the Northern States, however, the latter species is often encountered, but the fuller's teasel is certainly among the rarities. The American Botanist says that it may be doubted whether one botanist in fifty has ever seen it growing. In view of this fact, it may be surprising to many to learn that this plant

is cultivated in some parts of the United States in quantity, and that in 1910 nearly \$7,000 worth were exported to Great Britain. That country uses some \$75,000 worth in the course of a year. The fuller's teasel gets its name from its use in fulling cloth, the sharp recurved and elastic bracts of the flower-head being very useful in raising a nap on woolen goods. The heads are fixed on a rapidly revolving wheel or cylinder and the cloth passed over it in such a way that the fibers are caught and shredded out. It is said that the inventive genius of man has never devised an implement for this work that could compare with this one of nature's own making. Most of the American teasels come from a small region in Onondaga county, N. Y., where the industry has been carried on for more than seventy years. Though there seems to be no immediate danger that the demand for teasels will cease, there is also little inducement for others to embark in their cultivation because of the limited use. Since the teasel is a biennial two years are required for one crop and considerable hand labor is necessary, especially in harvesting and sorting. So nicely must the heads be arranged for various classes of work, that they are often sorted into seventy different sizes. An average crop will give 100,000 heads to the acre which bring in market from fifty cents to two dollars a thousand.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

The parcels post.....	1325
—Parcels post general provisions.....	1325
—Seedsmen and the parcels post.....	1326
Hydrangea Aborensens for Easter.....	1326
The retail trade.....	1326
—Flower designing at University of Illinois (illus.).....	1326
—The crepe spray (illus.).....	1326
—Christmas plants in New York.....	1327
—Retail stores in Brooklyn, N. Y.....	1327
People we know.....	1328
—John Miesem.....	1328
—George Dickson (portrait).....	1328
Origin of the Spencer sweet peas.....	1328
With the growers.....	1329
—Robt. Scott & Son (illus.).....	1329
—Chicago growers visit Joliet, Ill. (illus.).....	1330
Society of American Florists.....	1332
Lilies for Easter.....	1335
The flower trade in Europe.....	1334
Chicago.....	1336
Cincinnati.....	1342
Nashville, Tenn.....	1343
Cleveland.....	1343
St. Louis.....	1344
Boston.....	1344
Philadelphia.....	1346
New York.....	1348
Our pastimes.....	1350
Seed trade.....	1356
—Holmes' new store (illus.).....	1356
—"Value for value".....	1356
—New lawn mower.....	1356
Market gardeners.....	1362
—Prices of indoor fruits and vegetables.....	1362
—Sash houses.....	1362
—Asparagus rust.....	1362
The nursery trade.....	1364
—Transplanting forest grown evergreens.....	1364
—The late Patrick McDonnell.....	1364

NEW YEAR'S.

On account of New Year's, next week's issue will go to press Tuesday, December 31, one day earlier than usual and advertisers and correspondents will therefore favor us by mailing their copy as early as possible.

BEGIN the new year right by renewing subscriptions promptly.

THE usual supply of red carnations failed to develop this season in time for the holiday business and other stocks advanced accordingly.

OUR WISH.—In 1913 such varied sunshine as will suit all our patrons with enough rain to insure a healthy growth of stock and business.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved, as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

THE new parcels post will go into effect January 1 and the compilers of catalogues should investigate its provisions as printed elsewhere in this issue.

Society of American Florist

DEPARTMENT OF PLANT REGISTRATION.

Public notice is hereby given that Ant. C. Zvolanek, Lompoc, California, offers for registration the following sweet peas, winter flowering, orchid or Spencer type.

Any person objecting to the registration of the above or to the use of the proposed names is requested to communicate with the secretary at once. Failing to receive objection to the registration, the same will be made three weeks from this date.

RAISER'S DESCRIPTION.

"Buterley"; color: standard deep rose, wings white. Parentage: Xmas Pink by Countess Spencer.

"White Buterle"; color: pure white, seed white. Parentage: White Spencer by Florence E. Denzer.

"White Curleyana"; color: purest white, seed black. The standard is very large; wings and all over curled and twisted. Very large parentage coming with two or more standarts or 4 wings, and all the flowers appearing as double. Parentage: white black seeded Spencer by Enchantress. Seedling out third generation.

"Why Not"; color: pink self. Parentage: countess Spencer X Zvolanek's Pink. These varieties represent the winter flowering Countess Spencer.

"Dolansky Spencer"; color: light pink self. Parentage: Countess Spencer X Zvolanek's pink. Seedling from third generation.

"Hercules"; color: standards rosy pink, wings light pink, one of the largest winter Orchid flowering. Parentage: Countess Spencer X Zvolanek's Pink. Seedling out second generation.

"Orangine"; color: orange self. Parentage: Orange late Spencer X Zvolanek's Orange. Seedling out third generation.

"Salma"; color: orange salmon. Parentage: Orange late Spencer X Zvolanek Orange. Seedling out third generation.

"Pincus"; color: standard rose pink, wings one shade lighter. Parentage: Rose Pink, late Spencer X Zvolanek Pink. Seedling out second generation.

"Apricota"; color: apricot pink. Parentage: Apricot late Spencer X Zvolanek Pink. Seedling out second generation.

"Smalley Spencer"; color: satiny salmon. Parentage: Apricot late Spencer X Zvolanek's Pink. Seedling out second generation.

"Mrs. Sim Spencer"; color: salmon pink. Parentage: Apricot late Spencer X Zvolanek's Pink. Seedling out third generation.

"Bohemian"; color: rose red self, standard and wings curly and mostly double. Parentage: white blackseeded Spencer X Zvolanek's Enchantress. Seedling out second generation.

"Antionete"; color: brilliant clear pink, standard and wings curly and mostly double. Parentage: blackseeded white late Spencer X Zvolanek's Enchantress. Seedling out third generation.

"Appleblossom"; color: appleblossom pink, standard and wings curly. Parentage: white blackseeded Spencer X

Zvolanek's Enchantress. Seedling out second generation.

"Venus"; color: cream white in winter, pink blush in summer. Black-seeded. Parentage: white blackseeded Spencer X Zvolanek's Enchantress. Seedling out third generation.

"Orchids Beauty"; color: rose pink self in winter, with orange blush in summer. Parentage: Rose Pink Spencer X Pink Beauty. Seedling out second generation.

"Cereus"; color: cereus red, immense wavy flower. Parentage: Rose Pink Spencer X Xmas Meteor. Seedling out second generation.

"Lilaca"; color: lilac pink standard, wings lavender pink, extra large wavy flower. Parentage: Lilac Spencer X Zvolanek's Pink. Seedling out third generation.

"Bush Butterfly"; color: standard, lilac pink, wings cream white. Parentage: Xmas Pink X Countess Spencer. Seedling out third generation.

"Sunset"; color: standard rose pink, wings lilac pink. Parentage: Rose Pink Spencer X Zvolanek's Pink. Seedling out second generation.

"Azurea"; color: dark blue self. Parentage: Walter Wright, Spencer X Zvolanek's Blue. Seedling out second generation.

"Lucifer"; color: scarlet self. Parentage: scarlet Spencer X Zvolanek's Crimson. Out third generation.

"Indian"; color: brownish purple. Parentage: white Spencer X Zvolanek's Crimson. Seedling out third generation.

"Evening"; color: light rose self. Parentage: Rose Pink X P. Beauty. Seedling out second generation.

"Jealousy"; color: light yellow. Parentage: White Spencer X Jack Hunter. Seedling out third generation.

"Heaven"; color: first opening light lilac, when full open, sky-blue lavender. Parentage: Lavender Spencer X Zvolanek's Blue. Seedling out third generation.

"Bishop"; color: Bishop red self. Parentage: White Spencer X Zvolanek's Crimson. Seedling out third generation.

"Flag"; color: white ground, orange striped. Parentage: Florence E. Denzer X Orange Spencer. Seedling out second generation.

"Blue Strips"; color: ground blue, striped white. Parentage: White Spencer X Zvolanek's Crimson. Seedling out third generation.

RAISER'S REMARKS.

All the foregoing varieties are strictly winter blooming. The foliage is more rounded, but not so strong as the late flowering Spencers, the height 6 to 10 feet under glass, 3 to 5 feet when grown outdoors.

The flowers are just the same as the late flowering Spencers with extra large wavy flowers and exposed or open keel, bearing over 50 per cent. Four flowers to each stem, and if raised under ideal conditions many will bear 5 and 6 flowers. If sowed August 15 they will begin to bloom in 65 days. If sowed in October, they will begin to bloom in 90 to 100 days, according to the weather. After they are about 4 feet high, with each foliage sprung one stem with extra strong and large flowers. They are just as productive and early as the common old winter sweet pea.

JOHN YOUNG, Sec'y.
December 20, 1912.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Ads., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Experienced seedsman wants position; inside work preferred; best of references. Key 731, care American Florist.

Situation Wanted—Young man of 23, in either store or Greenhouses. Western New York preferred. Address. Key 745, care American Florist.

Situation Wanted—By sober young man of 26—experienced grower of cut flowers and plants, capable of taking charge. References. State wages. Address. Key 747, care American Florist.

Help Wanted.—Experienced store man and designer to take charge of flower store in city of 100,000. Old established firm. Address. Key 753, care American Florist.

Help Wanted—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.

For Sale—An old established and well paying florist store in Chicago, doing a good business, must be sold at once. Address. Key 748, care American Florist.

For Sale—If you want to buy a florist business, don't miss this exceptional opportunity. Write immediately for particulars. Address. Key 742, care American Florist.

For Sale—Retail store in City of New York, at a bargain; price \$800.00. Good location on a leading street in an excellent locality. Good reasons for selling. Address. A. F., care American Florist, 124 E. 24th St., New York.

For Sale—A good paying florist, seed and plant business, established by present owner over five years, in beautiful Berkeley close to San Francisco, the Exposition site; suitable for man and wife. For particulars address Kensington Florist, 3310 Adeline St., South Berkeley Station, California.

For Sale—Three greenhouses; well equipped; filled with carnations, chrysanthemums, violets, ferns, etc. On account of other business will sell at a sacrifice. Located one hundred miles from Chicago in town of twenty-two thousand inhabitants. Good opening for the right party. Address. Key 737, care American Florist.

For Sale—Greenhouse in Northern Tennessee town of 10,000; recently overhauled and in good condition; only florist in town; reason for selling, am not a florist. Terms: part cash, balance on easy payments, or will give interest in business to right party. An exceptional opportunity, as this business has been established forty years. Address. Key 730, care American Florist.

For Sale—Greenhouse plant, two houses, 5,000 sq. feet of glass, new and well equipped, filled with Carnations and bedding plants, good 9 room house with all modern improvements. Lot, 106 x 250 ft. 16 miles west of Chicago. Very good transportation. Good opening for the right party. Very good reasons for selling. Price, \$8,500. Address. Key 744, care American Florist.

For Sale—A rare opportunity to purchase a 2-story brick building containing store and 3 flats, 2 barns, and a Florist's Business established 22 years, with 5 greenhouses with about 12,000 square feet of glass all the stock, car-load of pots, hot-bed sash, one horse, three wagons, harness and coal, only \$20,000; or will rent property and sell only stock, sash, pots, coal, horse and wagons at a reasonable figure. This is being sold on account of ill health. Those only meaning business need reply. Address.

Key 736, care American Florist.

Wanted—the address of Otto Lehman, who left Brooklyn, N. Y. for Colorado Springs about 10 years ago. Please address his friend, GEO. BELLA, 907 Trinity Ave., Bronx, New York City.

HELP WANTED.

Section foreman for Rose range, on up-to-date place; wages \$15.00 per week. Address. Key 739, American Florist.

Situation Wanted.

By man twenty-seven, enthusiastic salesman, artistic designer and one who can arrange artistic window displays. Best of reference. Address Key 746, care American Florist.

Situation Wanted

by young lady as saleslady and to assist in designing. Experienced.

Key 729, care American Florist.

Help Wanted Quick.

Several good salesladies for Chicago retail stores. Good wages.

Key 751, American Florist.

Wanted at Once

Competent young lady florist for good permanent position in the west. Send full particulars and references to

Key 750, care American Florist.

GREENHOUSES FOR SALE

IN WILLIAMSPORT, PA.

Population, - - - - 40,000

Will take half interest or sell outright.

DANIEL E. GORMAN, Florist

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park, Cincinnati, Ohio.

For Sale.

A good paying retail store in the Chicago loop; long lease; books open for inspection; good reason for selling. For further particulars address Key 740 care American Florist.

Help Wanted.

Good designer, male or female, for a Chicago retail store. One or more can apply. Good wages to the right parties. Address,

Key 752, American Florist.

FOREMAN WANTED.

A man who is familiar with all lines of potted plants and forcing and is capable of handling help. He must be absolutely sober and only a high grade man.

Salary the best

Key 743, American Florist.

OFFICIAL S. A. F.

Shipping Labels



Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Pink Augusta

The new forcing light pink **Gladiolus**, \$2.50 per 100; \$20.00 per 1,000. A few extra size bulbs, at \$2.75 per 100; \$25.00 per 1,000 cash. Also **Augusta, America, Frances King, Madame Monneret, Taft, Klondyke**, etc., etc. First class Florists' mixture, \$16.00 per 1,000. Pink and white, \$18.00 per 1,000. Send for list.

EVANSTON, ILL., NOVEMBER 7th, 1911.

STEVENS GLADIOLI Co., Saginaw, Mich.

GENTLEMEN:

I have grown your Pink Augusta, for the last two years, and it is a good in-door grower. Sells well with us. Please send me another thousand bulbs. Also a list of your other varieties.

Yours truly,

JOHN WEILAND.

STEVENS GLADIOLI COMPANY
Saginaw, W. S. Mich.

The Flower Trade in Europe.

A trip which I made to Europe last summer, in line with our flower business impressed me very strongly and may not be without interest to other florists. Things have improved there in some respects since my last trip, nine years ago. We landed in Hamburg May 26, and stayed there four days. We found several good flower stores on the main business streets, all nicely kept and clean. They contain no counters. The displays are beautiful and artistic. I bought a kentia here for 22 marks, 50 pf., which is \$5.50, and one could have bought the same palm in New York, Chicago or anywhere else in the United States for \$3.50. I bought a gloxinia for 3 marks, 75 cents, 6-inch pot. Roses sold for \$1.20 to \$2 a dozen. These roses were mostly out-of-door grown, however, of good quality, such as Paul Neyron, Capt. Christie, Malmaison, Gloire de Dijon, Killarney and White Killarney, Testout, etc. Carnations, grown specially for summer trade and with long, stiff stems, perfect in flower were \$1.50 a dozen. Cattleyas brought 3 marks or 75 cents each. Garden flowers, such as dahlias, asters and centureas are cheaper than in the United States.

I found the same prices in Berlin, Mannheim, Darmstadt, Heidelberg. I passed through these places in August (the latter part), and found chrysanthemums in every store, white, pink and yellow, selling readily for 12 marks or \$3 a dozen. Among the potted plants I bought are hydrangeas for 4 marks or \$1, with three or four 6-inch blossoms. We sell them for the same price. Begonias were purchased for 1 mark to 2 marks each. I also visited O. Beyrodt, Marienfelds, near Berlin, the orchid grower, and he showed me 40,000 of the finest orchids I ever saw, and of which he may well be proud. They are sold all over Europe at a good steady price—not one day 25 cents

each and a week after 50 or 75 cents each.

In Switzerland I visited Zurich, which has some elegant florists' stores, just as nice as in Paris. Geneva has some fine flower shops and a fine flower and vegetable market twice a week right in the principal street of the city. Wreaths and potted plants of all descriptions can be bought at very reasonable prices. I also visited Lausanne and passed the Bruner establishment, which is nicely kept and is a great attraction.

Visiting Italy, we went to Milan and saw the beautiful cemetery which one must see oneself to appreciate. It is one of the finest in the world. The flowers displayed were mostly of the garden variety, it being out of the season for stock grown under glass. From Milan we went to Florence, the fine art city of the world, and found the flower trade much the same as in Milan. However, they have one immense park here and their tropical plants show up in fine condition. From Florence we went to Rome. Rome has the most magnificent homes and gardens. Palms stand up among the houses, 40 to 50 feet high. Other tropical plants are all well kept also. The flower stores had very little to present, being out of the season. Garden flowers showed up well. Cut roses and carnations were poor. They showed nice cattleyas. The florists use very few boxes to deliver their goods. One can see a young man deliver a basket of flowers or a wreath, carrying it in his hand, with no paper to cover it. From Rome we went to Genoa and visited the beautiful cemetery. Genoa like Rome has beautiful gardens, well kept. Here I noticed the pomegranate in full bloom. It certainly is a sight. Also aloes, and cacti of rare varieties and lemons in flower and fruit. Fig trees are to be found 20 feet high, wild and full of fruit.

Later we went to Paris. Here are some fine flower stores and the florists

get good prices. They have a most elaborate display of flowers, cattleyas, roses, carnations and especially fine sweet peas, lilies, giganteums and Japanese. Their flower, vegetable and fruit market is wonderful. The parks are better than ever in bedding, but not as good as Chicago shows in Lincoln or the south side parks. The roses and begonias do better in Paris out of doors. I noticed all over Europe that the hotels use cut flowers lavishly and any amount of palms and bay trees to beautify their places.

From Paris we went to Basel, Switzerland, and it happened that there was a turnfest lasting four days, 1,500 taking part from all over the world. Pittsburg, Pa., had a team among them. They showed up fine and when Old Glory passed with these proud young men behind it, it made me feel like throwing up my hat and shouting. I had spent three years in Basel when I was a young man and found some of the old florists still there. They are right up-to-date in business and made extra fine displays for the fest and thousands of dollars rolled into their pockets for the decoration of the city. It was one mass of flowers and garlands over the whole town. You find florists everywhere here with from 1,000 feet of glass to 200,000 feet. The 200,000 feet class are rare; mostly 30,000 to 50,000 feet. They have long hours, from 6 o'clock in the morning until dark. The wages run for florists from \$25 to \$40 a month. Persons in especially responsible positions are paid from \$75 to \$100 a month. There are no such firms as the Poehlmann Bros. Co., the Reinbergs, Bassett & Washburn, Wiator Bros., etc. J. J. HESS.

NEWARK, N. J.—Officers of the New Jersey Floricultural Society were elected at the annual meeting, December 13, as follows: Frank Drews, president; Geo. B. Wilson, vice-president; John Dervan, secretary; Fritz Berglund, treasurer.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Mention the American Florist when writing

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N. Y.

Mention the American Florist when writing

We wish a Merry Christmas
and Happy New Year to all the
readers of the American Florist

Geo. A. Kuhl,
Wholesale Grower for the Trade.

PEKIN, ILL.

Mention the American Florist when writing

Lilies For Easter.

ED. AMERICAN FLORIST:

I have a batch of Formosa lilies
buried outside. The pots are well filled
with roots and some are sprouted two
or three inches above ground. What
is the best way to handle them to be
in for Easter?

Iowa

J. A.

This class of liliun is rather difficult
to have in bloom for Easter and re-
quires a greater amount of attention
and care than Harrisii or giganteum.
As soon as the stems are two inches
in length they should be uncovered to
prevent blanching and brought into a
house with a temperature of 50° to
52°. They should remain at this tem-
perature until the leaves begin to
spread and develop. Great care is re-
quired at this stage in watering as the
bulbs rot very readily if overwatered.
After a week or ten days begin gradu-
ally to raise the temperature until in
the course of two weeks it reaches
60°. After that it is a matter of every
day carefully inspecting the stage and
condition of growth and gauging the
temperature to suit. Above all keep
them clean of greenflies.

C.

LYNN, MASS.—The Pine Grove Flor-
al Corporation of this city has organ-
ized with a capital stock of \$10,000.
Reuben G. York, Ellen D. York and
Frederick Southworth are incorpo-
rators.

Vaughan's Choice Forcing Stock

AZALEA MOLLIS.

	Each	Doz.	100
Bushy, full of buds.....	\$0.50	\$5.50	\$36.00

DEUTZIA GRACILIS.

	Each	Doz.	100
8-in. pots, 70-80 flowering branches.....	\$0.30	\$3.00	\$20.00
6-in. pots, smaller stock, good value.....	.20	2.00	15.00

HYDRANGEAS FOR FORCING.

Imported pot-grown stock, 6 to 7 in. pots.

The four new varieties here are the best
on the market. A trial will convince.

Avalanche. Pure white.

Mme. Emile Mouilliere. White crimped flowers.

Mme. Maurice Hamar. Flesh pink.

Any above, 3-4 flowering shoots,
each, 75c; doz., \$8.00.

Otaksa. 3-4 flowering shoots, each, 50c; doz.,
\$5.00; per 100, \$40.00. 5-6 flowering shoots,
each, 75c; doz., \$8.00; per 100, \$65.00.

Souv. de Mme. Chantard. Early dark pink,
3-4 flowering shoots, each, 85c; doz., \$9.00;
per 100, \$70.00.

BABY RAMBLERS.

Dormant, Field-Grown Budded Stock.

CRIMSON BABY.

	Each	Doz.	100
2-year.....	\$0.20	\$2.00	\$14.00
3-year.....	.25	2.50	16.00

JESSIE.

	Each	Doz.	100
2-year.....	.25	2.50	18.00
3-year.....	.30	3.00	20.00

ORLEANS.

	Each	Doz.	100
2-year.....	.30	3.00	20.00

PHYLLIS.

	Each	Doz.	100
2-year.....	.20	2.00	16.00
3-year.....	.25	2.50	18.00

CLIMBING ROSES.

Each, 30c; Doz., \$3.00; 100, \$20.00.

American Pillar, single pink.

White Dorothy Perkins, double.

Each, 25c; Doz., \$2.50; 100, \$18.00.

Flower of Fairfield, double red.

Tausendschon, single pink.

	Each	Doz.	100
Crimson Rambler, 2 yr.....	\$0.20	\$2.00	\$15.00
3 yr.....	.25	2.50	18.00
Dorothy Perkins, same as above.....	.50	4.50	35.00
Excelsa, New, 2 yr.....	.25	2.50	18.00
Lady Gay, 2 yr.....	.30	3.00	20.00
3 yr.....	.30	3.00	20.00

CHICAGO

31-33 W. Randolph St. **Vaughan's Seed Store,**

Greenhouses and Nurseries, Western Springs, Ill.

NEW YORK

25 Barclay St.



HYDRANGEA.

RHODODENDRONS.

Best named varieties, all colors.

	Each	Doz.
Bushy plants, 8 to 12 buds.....	\$1.00	\$9.00
Bushy plants, 12 to 18 buds.....	1.25	12.00
Bushy plants, 18 to 24 buds.....	2.00	20.00

Also a few Pink and White Pearl at a 50 per
cent increase on these prices.

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom
that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one
that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from
the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial
of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.....\$3.00 One Hundred rooted cuttings...\$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
Fifty rooted cuttings..... 7.00 Shipments will start in December.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), **Chrysolora,**
(Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz
D. Wittertaetter, (red), \$1.00 per doz.
Amarita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich.

Primula Obconica, strong plants, in bud and
bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000;
out of 2½-inch plants that will bloom for
Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong,
2½-inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengeri, strong,
2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch,
\$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Geraniums.

GUARANTEED STOCK

You run no risks. I have faith
enough in the quality of my stock
to guarantee its reaching you in
good growing condition.

S. A. Nutt, \$12.50 per 1000.
Ricard and Poitevine, \$15.00
per 1000.

Carnations and Coleus. Send for lists.

ALBERT M. HERR,
LANCASTER, PA.

We Are Growers

Of all the stock we sell and guarantee it to be strictly fresh.

Our Specialties are

Beauties, Roses, Valley, Carnations, Lilies and Sweet Peas.

NEW YEAR'S PRICE LIST.

Subject to change
in market.

American Beauties

	Per doz.
Specials, 36-inch stems and over..	\$ 8 00
30-inch stems.....	6 00
24-inch stems.....	4 00
15 to 20-inch stems.....	2 00 to 3 00
12-inch stems.....	1 50

Rhea Reid

	Per doz.
Specials, extra long	\$3.00 to \$4.00
Good length.....	2 00 to 2 50
Medium.....	1 00 to 1 50

Wards and Richmonds

	Per 100
Extra long	\$20 00
Good length.....	\$12 00 to 15 00
Medium.....	10 00

White and Pink Killarney

	Per 100
Extra select.....	\$15 00
Good length.....	\$10 00 to 12 00
Medium.....	8 00
Short.....	4 00 to 5 00

Carnations

	Per 100
White.....	\$4 00 to \$5 00
Enchantress.....	4 00 to 5 00
Harrisii Lilies, per doz.....	\$2 00: \$16 00
Narcissus Paper White.....	\$2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Asparagus Sprays.....	3 00 to 4 00
Sprenger.....	2 00 to 3 00
Ferns, per 1000.....	2 00
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00
Leucothoe.....	.60 to .75

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

A LIVELY MARKET.

Trade at this writing is good and the Christmas business promises to be very satisfactory. Friday and Saturday, December 20-21, were both good shipping days but Sunday was the best day of all. The stores were open all day and a part of the evening and large quantities of stock were shipped out to all parts of the country. The supply of stock in general on the local market was quite large with the exception of carnations and even these were more plentiful than was at first expected. American Beauties are having a good call and are bringing good prices. Richmond are good property and roses in general are selling well. White roses are having a good call but Killarney in most cases is decidedly off color. Some magnificent Sunburst, Mrs. Aaron Ward and Prince De Bulgarie are arriving and sell at fancy prices. Gardenias are short in supply and orchids are none too plentiful. The supply houses have been very busy and report an exceptionally brisk demand for ruscus, statice and immortelles. The plant men are all sold out as far as blooming stock is concerned and in nearly all cases are well pleased with the Christmas trade. The demand for boxwood has been very heavy and the same can be said of holly and mistletoe. Wild smilax moved freely and winter berries are seen displayed in nearly every window of the large loop department stores. Chrysanthemums are in good supply and sweet peas are also seen in quantity. Lilies are somewhat scarce but Paper White narcissi are quite plentiful. Tulips

MORE GROWERS NEEDED

A prosperous Chicago Wholesale Commission House, doing a large business, can use the output of several more **Carnation and Rose Growers** to good advantage. Honest treatment guaranteed and returns made weekly. For further particulars

Address, Key 749, care American Florist.

have made their appearance. Trade was very good Tuesday morning and the wholesalers nearly all report a fine Christmas trade.

NOTES.

Poehlmann Bros. Co. has had a very successful year in all branches of its business. The plant department at Morton Grove is entirely sold out of Christmas blooming stock and the supply and cut flower departments at the store are winding up a very good season.

H. Van Gelder says that when Percy Jones started in the supply business he set a mark for sales that was considered quite large but the books now show that he did three times as much business in this department as he expected to.

Frank Oechslein had a big demand for blooming plants and was completely sold out in this line several days before Christmas.

F. J. Simon, with the A. L. Randall Co., is rejoicing over the arrival of a baby girl. "Finest Christmas present ever," he says.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

A PROSPEROUS AND HAPPY NEW YEAR.

We wish all our friends A Prosperous and Happy New Year. We thank you for your esteemed patronage in the past and hope for a continuance of the same in the future. :- :- :- :-

A Big Supply of Cut Flowers for New Year's.

When making out your orders, please state either length or price of Roses wanted. When neither is stated, it is left to our discretion, and what we would send might not be what is wanted. This also applies to Carnation orders. We are not responsible unless orders plainly state what is wanted.

RED BERRIES, extra large cases, 36x14x14.....per case, \$3.00
BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50
WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

As customary there will be a reduction in prices immediately after the 1st of January with a continuous supply.

New Year's Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials.....		\$8.00	Long.....		\$12.00 to \$15.00	Fancy.....		\$8.00
36-inch.....		7.00	Medium.....		8.00 to 10.00	First quality.....		6.00
30 inch.....		6.00	Good short.....		4.00 to 6.00	Splits.....		\$ 3.00 to 4.00
24 inch.....		5.00	KILLARNEY.			ORCHIDS , Fancy Cattleyas, dz.		\$7.50 to 9.00
20-inch.....		4.00	Long.....		\$12.00 to \$15.00	PERCIVILLIANA		per doz , 5.00 to 6.00
Short stem.....		\$2.50 to 3.00	Medium.....		8.00 to 10.00	ONCIDIUMS		5.00 to 6.00
PRINCE DE BULGARIE , Antoine Rivoire or Mrs. Taft.			Good short.....		4.00 to 6.00	DENDROBIUM FORMOSUM , dz.		3.00 to 5.00
Long.....		\$12.00 to \$15.00	WHITE KILLARNEY.			EASTER LILIES		15.00
Medium.....		8.00 to 10.00	Long.....		\$12.00 to \$15.00	ADIANTUM CROWEANUM		1.00
Short.....		4.00 to 6.00	Medium.....		8.00 to 10.00	MEXICAN IVY		per 1000, \$5.00 .60
MELODY , long.....			Good short.....		4.00 to 6.00	SMILAX		16.00
Medium.....		8.00 to 10.00	Extra special Roses, charged accordingly.			SPRENGERI, PLUMOSUS SPRAYS		3.00 to 4.00
Short.....		4.00 to 6.00	VIOLETS , Princess of Wales.....		\$1.50	PLUMOSUS STRINGS , extra long and heavy.....		each, .60
MRS. AARON WARD.			Double, New York.....		\$1.00 to 1.50	FERNS		per 1,000, 2.00
Long.....		\$12.00 to \$15.00	Double, Glencoe, home-grown.....		2.00	GALAX		per 1,000, 1.25
Medium.....		8.00 to 10.00	ROMANS		\$3.00 to 4.00	LEUCOTHOE		per 100, .75
Short.....		4.00 to 6.00	SWEET PEAS		1.00 to 1.50			
LADY HILLINGDON.			VALLEY		\$3.00, \$4.00 and 5.00			
Long.....		\$12.00 to \$15.00	NARCISSUS , Paper White.....		\$3.00 to 4.00			
Medium.....		8.00 to 10.00	STEVIA		1.50 to 2.00			
Short.....		4.00 to 6.00						

A HAPPY NEW YEAR

TO ALL OUR CUSTOMERS we desire to extend the compliments of the season and to express at this time our appreciation of the many orders received at Christmas and in the past. Our stock is in the finest possible condition and we feel that we are in a position to supply you at all times with the best flowers in this market. Especially will this be true in 1913, so you had better get on the Band Wagon; be a progressive and become one of our customers today. :- :- :-

Large Supply of Fancy Stock for 1913 ESPECIALLY BEAUTIES

So Buy from Us and get the Best in this market at the most reasonable prices.

American Beauties				Richmond				Sunburst				Carnations			
Per Dozen.				Per 100				Per 100				Per 100			
60-in. stems	\$8.00	24-in. stems	\$4.00	Extra specials	\$15.00	Medium	\$8.00	Extra specials	\$20.00	Fancy	\$12.00	Red, extra special, per 100,	\$8.00;	Fancy,	
48-in. stems	7.00	20-in. stems	3.00	Selects	12.00	Good	7.00	Selects	15.00	Medium	10.00	\$6.00.			
36-in. stems	6.00	15-in. stems	2.00	Fancy	10.00	Short stems	5.00					Enchantress, per 100,	\$5.00 to \$6.00.		
30-in. stems	5.00											Pink Lawson, Winsor, White Perfection,			
Killarney				White Killarney				My Maryland				White Enchantress, White Lawson, per 100, \$5.			
Per 100				Per 100				Per 100				Ferns, 1000, \$2.00; Smilax, doz., \$1.50 to \$2.00			
Extra specials	\$15.00	Medium	\$8.00	Extra specials	\$15.00	Medium	\$8.00	Extra specials	\$15.00	Medium	\$8.00	Adiantum, 100, \$1.00 to \$1.50; Galax, 1000, \$1.00			
Selects	12.00	Good	6.00	Selects	12.00	Good	6.00	Select	12.00	Good	6.00	Sprenger, per bunch		50c	
Fancy	10.00	Short stems	4.00	Fancy	10.00	Short stems	4.00	Fancy	10.00			Asparagus Sprays,		50c	
								Roses, our selection - \$8.00							

WIETOR BROTHERS

162 North Wabash Avenue, L. D. Phone Randolph 2081, CHICAGO, ILL.

Form No. 260.

THE WESTERN UNION TELEGRAPH COMPANY.

INCORPORATED

24,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.

ROBERT C. CLOWRY, President and General Manager.

Receiver's No.	Time Filed	Check
----------------	------------	-------

SEND the following message subject to the terms
on back hereof, which are hereby agreed to.

Chicago, Ill. 12/24/'12.

TO EVERYBODY IN THE TRADE:

A MERRY CHRISTMAS AND A HAPPY NEW YEAR.

For New Year's prices on all stock in season, see our advertisement in the Christmas Number of the American Florist, issue of December 14, page 1219.

A. L. VAUGHAN & CO.
161 N. Wabash Ave.



The price list referred to above is O. K. with the exception of American Beauties which should read \$3.00 to \$8.00 per dozen. All other roses range in price from \$3.00 to \$15.00 per 100 according to quality. Valley \$3.00 to \$4.00 per 100. Carnations, \$4.00 to \$8.00 per 100.

Local retail florists experienced a holly famine Monday and Tuesday. Some of the largest buyers, who often depend on the South Water street market to help them to some "below-cost" bargains, this season, for the second time, found nothing doing on the "street" and were losers of retail business more than five times the extra amount they would have paid had they made early contracts through the wholesale seedsmen.

N. J. Wietor says that the Christmas business promises to be one of the best ever at Wietor Bros.' store and that the sales on Sunday, December 22, were the largest in the history of the firm. This firm had a very large cut of roses and filled every one of their orders in full.

Kennicott Bros. Co. did a land office business in boxwood for the Christmas trade and disposed of several hundred boxes in short order. E. E. Pieser is authority that there will be no further advance in the price of ferns for he intends to keep the price down.

Peter Reinberg shipped his first Christmas orders on December 19, when a large quantity of roses left for distant Canadian towns. The holiday trade at this store is very brisk and Tim Matchen has no complaint whatever to make.

J. F. Kidwell said the Chicago Flower Growers' Association disposed of all of its stock for the Christmas trade and could easily have sold much more in certain lines. Sweet peas of fine quality are now arriving in quantity at this store.

Zech & Mann are having their share of the holiday trade and are busy as bees filling orders. Matt. Mann, as usual, was on duty at the store during the holidays.

"Hoerber Bros. are well satisfied with their Christmas business," is the report received from F. C. Hoerber at the store on December 24.

A. L. Vaughan & Co. had a very busy week and did a very satisfying Christmas business. They had a large supply of all kinds of seasonable flowers and greens and took good care of their many customers.

John Poehlmann, Jr., a student at the Culver Military Academy, Culver, Ind., is home for the holidays. John says that the Burpee boys, David and William, will graduate from that institution this year.

Bassett & Washburn are doing a big holiday business and the stock that they are supplying their customers is of the first quality. American Beauty roses are now leaders at this store.

The Batavia Greenhouse Co. is cutting from a fine crop of American Beauty roses. O. Johnson, the city salesman, points with pride to the large, magnificent buds.

John Kruchten could easily have disposed of more gardenias to his Christmas trade if they had been obtainable for the demand was very heavy.

The J. B. Deamud Co. disposed of two carloads of wild smilax during the holiday rush in addition to a large supply of boxwood.

Frank Johnson says that the A. L. Randall Co. had a very heavy demand for Christmas goods, especially ruscus and immortelles.

Chas. W. McKellar was so busy this week that he did not even have time to give a report on his Christmas business.

Phil Schupp says that J. A. Budlong's Christmas trade will be fully as large as he expected.

Erne & Klingel are very enthusiastic over their Christmas business which was very satisfactory.

Vaughan's Seed Store has been moving gladiolus bulbs by carloads this week.

New Year's Price List

AMERICAN BEAUTIES		Per doz.
Extra long.....		\$ 8 00
36-inch stems.....		6 00
30-inch stems.....		5 00
24-inch stems.....		4 00
20-inch stems.....		3 00
18-inch stems.....		2 50
15-inch stems.....		2 00
12-inch stems.....		1 50
Shorts.....		1 00
		Per 100
Richmonds, Special.....		\$15 00
Select.....	\$10 00 to	12 00
Medium.....	6 00 to	8 00
Shorts.....		5 00
Killarney, Special.....		15 00
Select.....	10 00 to	12 00
Medium.....	6 00 to	8 00
Short.....		5 00
White Killarney, Special.....		15 00
Select.....	10 00 to	12 00
Medium.....	6 00 to	8 00
Short.....		5 00
My Maryland, Special.....		15 00
Select.....	10 00 to	12 00
Medium.....	6 00 to	8 00
Short.....		5 00
Sunrise, Select.....		12 00
Medium.....		10 00
Short.....	6 00 to	8 00
Roses our Selection.....		5 00
Carnations, red.....		8 00
Select white and pink.....		6 00
White and Pink.....	4 00 to	5 00
Harrisii Lilies.....per doz., \$1 50		
Valley.....	3 00 to	4 00
Violets.....	1 25 to	1 50
Sweet Peas.....	1 00 to	1 25
Paper Whites.....	2 00 to	3 00
Romans.....	2 00 to	3 00
Stevia.....		1 50
Asparagus, bunch.....	2 00 to	3 00
strings, 60c to 75c ea.		
Sprengeri.....	2 00 to	3 00
Smilax.....		1 50
Mexican Ivy.....		75
Galax, bronze and green.....		
per 1000, \$1 25		
Leucothoe Sprays.....		75
Boxwood, per bunch.....	25c	
Ferns, per 1000.....	\$2 00	

PETER REINBERG

30 East Randolph Street, CHICAGO



She's Steering Straight

For the Largest Range of Glass in America
and the Place where They Sell : : :

THE FINEST CUT FLOWERS GROWN



STEER STRAIGHT AND PLACE YOUR 1913 ORDERS WITH US.
FOR OUR NEW YEAR'S PRICE LIST SEE OPPOSITE PAGE.

PETER REINBERG

30 EAST RANDOLPH STREET Long Distance Phone Central 2846 CHICAGO

A HAPPY NEW YEAR!

Start the New Year Right!

Those who desire the very best in Cut Flowers
should see to it that their order goes to : : :

"The Busiest House in Chicago"

J. B. DEAMUD CO.

160 N. Wabash Ave.

Phones: { L. D. Central 3155
Automatic 44-389

Chicago

John Mangel has his Palmer House store very beautifully decorated for the holidays and it is indeed a great sight to behold. Artistically arranged baskets of cut flowers and plants distributed to good advantage in all parts of the store make a magnificent display.

Fred Strail and C. A. Klunder are now on the Atlas Floral Co.'s payroll. The latter will remain there permanently but Mr. Strail is only helping out during the holidays.

Peter Papes, who has a store on South Wabash avenue, will leave immediately after the holidays to take charge of his new store in Detroit, Mich.

Max Cohen has opened a new store at 1217 East Sixty-third street under the name of the Jackson Floral Shop.

Harry S. Garland, with the Geo. M. Garland Co., has returned from a business trip to Akron, O.

Joe Beaver is helping out at Lubliner & Trinz's store during the holidays.

Theo. Vogel, formerly with Lubliner & Trinz, is now with W. J. Smyth.

Visitors: James E. Jones of the Advance Co., Richmond, Ind.; Geo. Collins, Grand Rapids, Mich.; Otto Ben-they, New Castle, Ind.; W. A. Karlstrom, representing W. A. Manda, South Orange, N. J.; G. L. Freeman, Fall River, Mass.; Gust Rusch, of Gust. Rusch & Co., Milwaukee, Wis.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

Individual and team scores for games played December 18:

Roses.		Orchids.	
Goerisch ..186	148 158	Farley ..148	168 163
Carey ..166	171 210	W. Graft ..188	180 198
Viliter ..106	157 112	Noll ..116	137 146
Byers ..198	194 163	J. Zech ..145	179 138
Totals ..636	670 643	Totals ..597	663 645
Carnations.		Violets.	
Lorman ..139	166 159	Huebner ..149	172 104
Liebem'n ..117	124 103	Jacobs ..178	156 134
Armstrong 121	94 108	Schultz ..160	162 164
A. Zech ..134	157 143	J. Hueb'r. 166	135 144
Totals ..511	537 563	Totals ..653	625 546

DES MOINES, IA.—The Iowa State Horticultural Society met in annual convention here December 10.

LAGRANGE, IND.—The following officers were chosen at the annual election of the Lagrange County Agricultural and Horticultural Club, December 12: Rollin Van Kirk, president; Harry Bogue, vice-president; Mrs. Chas. Royer, secretary; Miss Schermerhorn, treasurer.

Cincinnati.

MARKET FAIR.

Last week's market was rather fair. The receipts were somewhat limited and with a fairly good call the market was kept cleaned up in most all lines. The general trend and sentiment, however, was one of waiting and preparation rather than one of aggressiveness. Roses are coming in nicely and in good shape and every one of these is finding a good demand. The supply of American Beauties and Richmond for the Christmas business promises to be fairly large. Killarney, when relative daily numbers are considered, seems likely to be very close behind. The supply of white is good and, as a whole, of a very excellent quality. The poinsettias that have been offered up to this time were all of a very high quality. The blooms were large, foliage good and stems erect. If the holiday blooms are in the same condition we will, indeed, have excellent blooms in this flower. Double violets are also going to be a prominent factor. Arrangements have been made for an abnormally large supply. Judging from the orders on file at the time of this writing and the way they continue to come in the supply should be disposed of by the wholesalers in a big hurry. The cut of single violets locally will be more or less limited. Lily of the valley is in good supply for the holidays. All the regular growers of this flower have a heavy cut and some who grow the same only for the holidays have their crops in just at the right time. The supply of orchids is good. Paper White nareissi and Romans are coming in strong and judging from reports there will hardly be a shortage in this line. A large supply of double stevia finds a ready market. The other does not sell nearly as well.

NOTES.

J. A. Peterson cleaned up handsomely on his eight houses of Glory of Cincinnati begonias. Every single one of the plants was in just the proper condition for the date. For the past fortnight his force has been doing practically nothing but packing and shipping these and cyclamen, poinsettias and farleyense.

P. J. Olinger and Peter Weiland are each of them sending excellent valley into the market from their Newcastle, Ind., greenhouses.

C. E. Critchell was the first in the market with Mexican ivy this season.

Sphagnum Moss

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Spiraea Clumps

	Per 100
Gladstone	\$ 8.00
Floribunda	6.00
Japonica	5.00

Lilies

	Per 1000
Giganteum, 7-9, ...	55.00
" 9-10, ...	90.00
Multiflorum, 7-9, ...	45.00

Vaughan's Seed Store,
Chicago. New York.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

E. G. Gillett has been clearing up quickly each day on his excellent supply of Killarney. Miss Margaret Amstead, of the Gillett firm, has the sympathy of the local trade in the loss of her father, who died last Wednesday.

H.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

A Happy New Year.

**Fancy Sweet Peas,
Roses, Carnations,
Valley, Violets,
Lilies, Paper Whites,
Romans,**

And all other Seasonable Stocks.

**Place your 1913 orders
with us.**

New Year's Price List.

Subject to change
without notice.

Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 10.00	\$ 8.00	\$ 6.00	\$ 5.00			
Killarney.....per 100	15.00	12.00	10.00	8.00	6.00		
White Killarney.....	15.00	12.00	10.00	8.00	6.00		
My Maryland.....	15.00	12.00	10.00	8.00	6.00		
Richmonds.....	15.00	12.00	10.00	8.00	6.00		
Carnations.....	8.00	6.00	5.00				
Lily of the Valley.....		3.00					
Violets, Extra fine single.....	2.00	1.50					
Double.....	2.50	2.00					
Sweet Peas.....	1.50	1.00					
Romans.....	4.00	3.00					
Paper White Narcissus.....	4.00	3.00					
Stevia.....	1.50	1.00					
Easter Lilies.....	15.00	12.50					
Daisies.....	1.00						
Poinsettias, extra good stock, per doz.	5.00	4.00	3.00				
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00				
Asparagus Sprenger Sprays..	3.00	2.00					
Mexican Ivy.....	.60						
Smilax.....	16.00	12.50					
Galax, Green and Bronze.....per 1000	1.00						
Ferns.....	2.00						
Boxwood.....bunch	.25						
Adiantum.....per 100	1.00	.75					
Winter Berries, large.....case	3.00	2.50	1.50				

Nashville, Tenn.

NATIVE HOLLY SCARCE.

The windows of all the florists in the city are radiant with the red and green of the season. Many have used the red immortelle wreaths with the southern smilax and ferns as a background, but they say that the sale of immortelle wreaths is rather slow this season. The holly from our own native woods is a little scarce. In former seasons the holly was cut so severely that but little is left and that must come from longer distances. The cedar tree, however seems to be inexhaustible. It grows plentifully right at the doors of our city and all one has to do, if economically inclined, is to drive a few miles out and cut one to suit. There is more general decorations than usual in this city and a more general use of potted plants for interior decorations. Poinsettias seem to be a general favorite this season and every floral store is full of the growing pans.

NOTES.

Geny Bros. have a stock that is unsurpassed and their store presents a most attractive appearance. They have lilies, roses of the very best kinds, carnations, hyacinths, violets, narcissi and even some chrysanthemums still of a very good quality. The panned poinsettias are great favorites and they have a fine supply. In pot plants they are well prepared.

Thomas Joy, of the Joy Floral Co., says that his roses are exceptional and that in the past ten days he has cut 25,000 or 30,000 of the very best quality. This firm has plenty of roses, especially American Beauties. They also have a full line of other stocks.

Haury & Sons are well prepared for the holiday trade and have already brought in a beautiful lot of potted plants and are ready to do a rushing

business. Their stock is similar to that of the other florists and of a most excellent quality.

McIntyre Bros. have decorated their attractive store in a very artistic manner. One of the large front windows has the "Merry Christmas" in immortelles and the other has "Happy New Year," also in immortelles.

M. C. D.

Cleveland.

HOLIDAY FLOWERS SCARCE.

Like the general of some big army on the eve of battle, laying in ammunition, food and medical supplies, keeping the wires hot ordering reinforcements for this or that point—this is the kind of life the average florist is leading just now. Supplies of all kinds have been ordered in advance and received, much work has been made up in readiness for the expected Christmas rush, telegrams are sent east, south and west for more supplies, which perhaps cannot be purchased at home, then again word is received from some point of inability to fill certain orders on time, then all the worry and hurry to fill from another source or get a substitute. There must be something with which to do business, and like a general of an army who is in the battle to win, so also must the successful florist plan, hustle, worry and work to make all he can for this season and he who can look farthest ahead, who knows where he can buy or sell, and who works hardest and is most alive to every chance to win is the one who comes out ahead. Flowers for Christmas and New Year's seem to be rather scarce here. C. F. B.

PORTLAND, ME.—Hans Nielson, for several years with L. C. Goddard, has leased the greenhouses of H. J. Davis on Brentwood street.

SEND TEN CENTS FOR A SAMPLE OF THE Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbons—ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

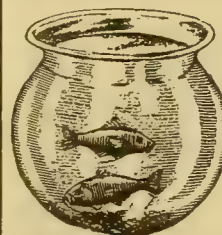
EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH



**"Something
Alive in the
Window"**

Catches
the public eye.

Order your
supply now.
**\$3.00 per 100
and up.**

Write for catalog

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

NEWARK, N. J.—Local members of the National Association of Gardeners are working to make the convention of the organization an annual affair here.

JOHN KRUCHTEN

L. D. Phone, Central 6269

162 N. Wabash Ave., - CHICAGO

CUT FLOWERS

— AND —

Greens of All Kinds

St. Louis.

GOOD TRADE EXPECTED.

The Christmas rush is on and the prospects for a good trade were never better. In all probability there will be plenty of stock, although a scarcity in red carnations and red roses is expected. Bulbous stock will be plentiful. The supply of greens will be somewhat limited.

NOTES.

Ostertag Bros. had the Campbell reception at the St. Louis club. There were 60 cases of smilax, 2,000 pink Killarneys, orchids and lilies of the valley in profusion. This was one of the biggest receptions ever given.

August Kunz, 8533 North Broadway, is doing a large cemetery trade. He has three large greenhouses with bedding stock and a variety of blooming plants.

George Hartman, Kirkwood, is bringing a fine supply of violets, sweet peas and carnations to market.

The Wm. C. Smith Wholesale Floral Co. reports heavy outside shipments and a very large home trade.

Jules Bourdet is bringing in some extra fine poinsettias and a full line of blooming plants.

Geo. H. Angermueller is very busy. His trade in supplies has been immense.

All the west end stores are beautifully decorated for the Christmas rush.

Kalisch Bros. have a very choice display of azaleas and poinsettias.

George Waldbart had the home decorations at the Campbell dinner.

The Windler Wholesale Floral Co. has a good stock in everything.

H. G. Berning, as usual, reports good trade.

C. A. Kuehn says business is good.

W. F.

Florists and Gardeners' Club

OF HOLYOKE AND NORTHAMPTON, MASS.

The first annual meeting of the Florists and Gardeners' Club of Holyoke and Northampton, Mass., was held on the evening of Tuesday, December 10, at the greenhouses of Reginald T. Carey, South Hadley. After the reading of the minutes of the previous meeting one new member was admitted, two others being nominated for membership. The election of officers came next, E. J. Canning of Smith's College being elected president. G. H. Sinclair brought along two cypripedium plants, the flowers of which were much admired, the exhibitor receiving the club's highest award of merit.

Graves of Field's greenhouses exhibited a vase of their new carnation Gloria, which received recent recognition at Boston and will be disseminated during the coming year. An interesting talk was given by

Rollins of Holyoke on the Covent Garden market. Mr. Rollins was for some years an energetic salesman in this celebrated market. This society has had a most prosperous year, numbering now some 40 members, 28 being present at the last meeting. The next meeting place will be at the Smith's College Conservatories on Tuesday evening, January 14.

FRANK BARNARD.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....WHOLESALE
Grower of

CUT FLOWERS

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers at Lowest Market Prices. 30 E. Randolph St., CHICAGO

Philadelphia Notes.

A round of the commission houses on Sunday found full forces everywhere busy with shipping orders, the out of town demand being exceptionally good. At the Leo Niessen Co.'s market immense quantities of stock was coming and going all day long. Mr. Niessen pointed with pride to their stock of valley, which he said was the best they had ever had for a holiday business. It was certainly fine. American Beauties were also a feature. The prospects here were that last season's record would be broken.

The Robert Craig Co. has had a phenomenal plant business, selling entirely out of their blooming stock, which included poinsettias, cyclamens and begonias. A feature was their combination baskets and boxes of foliage plants which found great favor with their customers.

Godfrey Aschmann made a clean sweep of his Christmas specials, and at once started to spread out stock which had been waiting for the room. Within a week the houses will be as full as ever.

Berger Bros. had a great business in Christmas greens. With this out of the way, they are handling splendid Richmond and Killarney roses. Carnations are also a feature.

Ed. Reid was strong on double violets and sold a large quantity of the Hudson river stock. Killarney roses were also a specialty.

M. Rice & Co. have moved an immense stock of Christmas baskets and all other kinds of supplies, particularly the red goods. K.

Boston.

MARKET CONDITIONS GOOD.

Market conditions are good with a good call for all kinds of flowers and plants. A good Christmas trade is expected. Poinsettias are especial favorites, especially those in pans. Carnations seem to be still scarce. Whether Tuesday will bring a big shipment to the markets and lower prices remains to be seen. The day before Christmas has generally been the Waterloo for some of those who hold out for big prices. The quality in general of the carnations is all that could be desired.

NOTES.

The Boston & Worcester Street R. R. starts its first early express car from Worcester, Monday, December 23, leaving there at 4 a. m. They ex-

HOERBER BROS.

Wholesale Cut Flowers

Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

pect to arrive in Boston and have the flowers that they have picked up along the way delivered by 6:30 each morning. This will be a boon for those who wish to have their produce arrive early at the wholesalers and the markets. They will stop at various points along the way convenient for the shipping of flowers. They will have their regular freight stations in the various towns along the way.

There is a probability of a Co-operative Market being started by the market gardeners of this city to handle their own produce and sell direct to the public. Lettuce, for which they are quoted as getting one cent a head has been retailed at ten cents. A story of one man plowing under \$500 worth of cabbage last fall because of bad market conditions, has impelled them to seek relief. The bugaboo of high prices for house grown vegetables will be smashed and fresh vegetables may come within the reach of us all and come by mail fresh from the greenhouse.

In orchids and lily of the valley, both in quantity and quality, Welch Bros. seem to hold the lead. Saturday their forces were all lined up for the Christmas rush which had begun.

In roses we noted some very fine Killarneys at Manton's stall, grown by the Exeter Rose Co., Exeter, N. H. The length of stem and head were fine.

The finest carnations we have seen are those from John Barr of South Natick.

Thomas Galvin had a very attractive window of poinsettias.

Weather crisp.

MAC.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

88 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 E. Randolph St.

L. D. Phone, Randolph 6578

CHICAGO, ILL.

**HAPPY
NEW
YEAR**

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Dec. 25.		Per doz.
Roses, Beauty, specials.....		\$8 00
" " 36-in.....		7 00
" " 30-in.....		6 00
" " 24-in.....		5 00
" " 15-20-in.....		4 00
" " 12-in.....		3 00
" " Short.....		2 50
		Per 100
" Killarney.....		4 00@15 00
" White Killarney.....		4 00@15 00
" Richmond.....		4 00@15 00
" Prince de Bulgarie.....		4 00@15 00
" Radiance.....		4 00@15 00
" Mrs. Aaron Ward.....		4 00@15 00
" My Maryland.....		4 00@15 00
" Melody.....		4 00@15 00
" Mrs. Jardine.....		4 00@15 00
" Lady Hillingdon.....		4 00@15 00
" Sunburst.....		4 00@15 00
Carnations.....		3 00@ 8 00
Cattleyas.....per doz., 7 50@ 9 00		
Gardenias.....		5 00@ 6 00
Lilium Harrisii.....		15 00
Narcissus, Paper White.....		3 00@ 4 00
Orchids, Dendrobium, per doz., 3 00@ 5 00		
Stevia.....		2 00
Violets.....		1 50@ 2 00
Valley.....		3 00@ 4 00
Adiantum Croweanum.....		1 00
Boxwood.....per lb., 25		
Ferns.....per 1000, 2 00		
Galax.....		1 25
Leucothoe.....		75
Mexican Ivy.....per 1000, 5 00		
Plumous Strings, each, 50@ 60		
Smilax.....per doz., 1 50@ 2 00		
Sprenger, Plumous Sprays.....		3 00@ 4 00

ROSES

White and Pink Killarney and Richmond,
Roses, Red, White and Pink Carna-
tions, Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Mention the American Florist when writing

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

Cut Flowers, Ruscus, Oak Sprays, Beech
Branches, Prepared Decorative Materials
and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
Rogers Park 227—Nursery.

WIE TOR BROS.

Wholesale **CUT FLOWERS**
Growers of

All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

Mention the American Florist when writing



Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
**Choice Cut Flowers
and Greens**

Velvet Poinsettias

Large brilliant flower,
good color, stem and
foliage—a dandy New
Year's seller. Price
per doz., **\$1.50.**

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Philadelphia.

ROSES GOOD AND CHEAP.

The past week has been one of preparation. Everything possible was done to have things ready for the rush. Shipments of flowers from the growers have been light, and yet there were quantities of roses, particularly pink, to be had at the buyer's figures. The quality of the rose stock for Christmas delivery is fine in all grades and prices favor the buyer. At this writing (December 22), the commission houses report working the entire force all day on out of town orders and that prospects for a full holiday business are very good. American Beauties are in fair supply for the holiday demand at \$1 a bud for the specials. Richmonds are seen in rather larger quantity than usual and of very fine quality. A grower from near Boston canvassed this city with four-foot stemmed Richmonds at a price of 75 cents which has been considered by the retailers a rather stiff figure. All the fancies, particularly Sunburst, Hillingdon and Taft, are in good demand. Carnations are scarce and prices hold firm, good red bringing \$16. Gardenias are scarcer or else the demand has forced the prices up, 50 cents being asked for good stock. There is a fair supply of cattleyas with no great advance in price. A splendid supply of valley is offered, the best in quality seen this season, with little if any advance in price. Japanese lilies have been added to the market's assortment and find a good sale. Violets have not been overly plentiful, but to judge from the crops of the past ten days, the plants must be full of flowers and large shipments may be looked for. The sale of Christmas greens, trees, etc., was very large and the dealers made good profits.

NOTES.

Edward Towill, Roslyn, who raised the red rose Milady, has several promising new ones, one a pink and another a large white, more like an American Beauty, except for color, than any other variety. K.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Dec. 25.		Per 100
Roses, Beauty, extra.....	40 00@60 00	
" first.....	12 00@25 00	
" Brides and Maids.....	6 00@12 00	
" Killarney.....	6 00@15 00	
" White Killarney.....	6 00@15 00	
" Liberty.....	6 00@15 00	
Carnations.....	5 00@ 8 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 3 00@4 00		
Lilium Harrisii.....	10 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	16 00	
Marguerites.....	1 50@ 2 00	
Snapdragons.....	15 00@25 00	
Sweet Peas.....	1 00@ 1 50	
Violets, single.....	1 00@ 1 50	
" double.....	1 00@ 1 50	
Poinsettias.....	20 00@25 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Dec. 25.		Per 100
Roses, Beauty, special.....	25 00	
" extra.....	12 00@20 00	
" No. 1.....	6 00@10 00	
" Killarney.....	2 00@ 6 00	
" My Maryland.....	2 00@ 6 00	
" Richmond.....	2 00@ 4 00	
Asters.....	1 00@ 4 00	
Cattleyas.....	50 00	
Chrysanthemums..... doz., 2 00@3 00		
Gladioli.....	2 00@ 4 00	
Lilium Auratum.....	5 00	
Lilium Longiflorum.....	10 00@12 00	
Lilium Rubrum.....	5 00	
Lily of the Valley.....	4 00	
Oncidium.....	3 00@ 4 00	
Adiantum.....	1 00	
Asparagus Sprengeri, per bunch, 35@40		
Sprays..... per bunch, 35@40		

MILWAUKEE, Dec. 25.		Per 100
Roses, Beauty, per doz., 1 00@5 00		
" White and Pink Killarney, 8 00@25 00		
" Richmond.....	15 00@25 00	
Carnations.....	8 00@10 00	
Bouvardia.....	6 00	
Callas.....	2 00	
Lilium Giganteum, per doz., 2 00		
Lily of the Valley.....	4 00	
Red Berries..... per case, 2 00@ 4 50		
Stevia.....	1 50@ 2 00	
Sweet Peas.....	1 50	
Violets, Wisconsin grown.....	2 00@ 2 50	
Adiantum.....	1 50	
Asparagus..... per string, 50		
Sprengeri, per bunch, 35		
Boxwood..... per bunch, 25		
Callas..... per doz., \$ 2 00		
Ferns, common.....	2 00	
Galax..... per 1000, \$ 1 50		
Ruscus.....	75	
Smilax..... per doz., 1 75		

Winter Berries Imported Boxwood

Anything You Need in Supplies

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Phone: Olive or Central 1474

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Increase Your Sales--OFFER YOUR CUSTOMERS NOVELTIES.

Pussy-Willow, White Lilac, Pansies, Lupines, Bouvardia, Mignonette. Can furnish this stock in quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Dec. 25.	
Roses, Beauty, special.....per doz.,	\$5 00
" " fancy.....	4 00
" " extra.....	3 00
" " No. 1.....	2 00
" " No. 2.....	1 00
Per 100	
" Maid and Bride.....	4 00@ 8 00
" Pink Killarney.....	5 00@15 00
" White Killarney.....	5 00@15 00
" Richmond.....	6 00@15 00
" My Maryland.....	3 00@ 8 00
" Aaron Ward.....	3 00@10 00
Carnations.....	3 00@ 6 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 50@ 3 00
Stevia.....	1 00
Swainsona.....	50@ 1 00
Violets.....	1 00@ 1 25
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....per 1000,	\$2 00
Galax.....per 1000,	\$1 50
Smilax.....	15 00

BOSTON, Dec. 25.	
Roses, Beauty, best.....	75 00@100 00
" " medium.....	25 00@50 00
" " culls.....	10 00
" White and Pink Killarney.....	4 00@12 00
" " Extra.....	16 00@25 00
" Taft.....	4 00@25 00
" Cardinal.....	4 00@25 00
" Ward and Hillingdon.....	4 00@20 00
" Killarney and Richmond.....	4 00@25 00
" My Maryland.....	4 00@16 00
" Carnot.....	4 00@25 00
Carnations, select.....	6 00@10 00
Callas.....	12 00@16 00
Cattleyas.....	50 00@60 00
Chrysanthemums.....	8 00@16 00
Gardenias.....	35 00@50 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	1 50
Smilax.....	12 00@16 00
Violets, single.....	75@ 1 00
" double.....	50@ 75

CINCINNATI, Dec. 25.	
Roses, Beauty.....per doz.,	3 00@12 00
Per 100	
" Bride, Bridesmaid.....	6 00@15 00
" Killarney.....	8 00@20 00
" My Maryland.....	8 00@20 00
" Perle.....	6 00@12 00
" Richmond.....	8 00@25 00
" Taft.....	8 00@20 00
Carnations.....	8 00@10 00
Callas.....	15 00
Lilium Giganteum.....	15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....per doz.,	12 00
Poinsettias.....	2 00@ 5 00
Narcissus.....	3 00@ 4 00
Roman Hyacinths.....	3 00@ 4 00
Stevia.....per bunch,	25@ 35
Sweet Peas.....	1 00@ 2 00
Violets.....	1 50@ 2 50
" double.....	2 00
Adiantum.....	1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprenger.....per bunch,	25

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,

BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

St. Louis, Dec. 25.	
Roses, Beauty, long.....per doz.,	4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 8 00
" White Killarney.....	4 00@ 8 00
Carnations.....	3 00@ 4 00
Easter Lilies.....	10 00@12 50
Lilium Rubrum.....	6 00@ 8 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus.....per bu.,	35@60
Ferns, New. Fancy.....	1 50

OSHKOSH, WIS.—John K. Downs announces that he will build three greenhouses 27x200 feet and that roses, carnations and callas will be the principal products.

—THE— J. M. McCullough's Sons Co., Wholesale Commission Florists. —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Edward Reid

WHOLESALE FLORIST,

1619-21 Ransstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery.

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA

New York.

BUSINESS VERY DULL.

Business was very dull in the wholesale district during the past week. The supply of stock was light, but in proportion the demand was lighter. During the middle of the week the weather was wet and disagreeable, which added to the gloom. On Saturday, December 21, there was necessarily more business in cut flowers, but it was not exceptionally good. There is very little change in prices. There has been some talk of a scarcity in carnations. We believe that the apparent scarcity of the past week was caused by stock being held back. We have no doubt that the market will be well supplied with carnations, as well as every other cut stock by December 24. Roses are likely to be plentiful. We hear that some wholesale orders have been booked for Christmas at \$12.00 a dozen for specials, but up to December 21 the market price did not exceed \$7.50 a dozen. There is likely to be an abundance of the tea roses. Cut poinsettias are arriving in considerable quantities, but as yet the demand for them seems light. There is an abundance of Paper White narcissus, and a few jonquils on the market. On December 21 some very fair lots of chrysanthemums came into the market. Cut bouvardia is just now quite a feature in some of the stores. The great supply of fine plants in the retail stores makes the Christmas outlook for cut flowers somewhat problematical. Along the lines of educating the people in the use of flowers it may be stated for a fact that most of them already know enough to buy a good plant when they feel that they are being charged an unreasonably high price for cut flowers, but we do not expect to see any excessive prices this Christmas.

NOTES.

A great Christmas tree, illuminated at night by many electric lights, will stand in Madison Square for a week, the lights to be turned on on Christmas Eve. It will have no presents on it, but is intended as an exemplar of the Christmas spirit. The plan originated with Mrs. J. B. Herreshoff of this city. Many of the older countries on the Continent have special national festivities, customs that have been in existence for hundreds of years, but America has none, and Mrs. Herreshoff and those who are helping her hope that the public Christmas tree may become a national feature, to be found in every town and village, a place where all may gather, rich or poor, on Christmas Eve, listen to the Christmas music, and feel that it is their tree, their Christmas, and that the spirit of peace and good-will encircles them, no matter how friendless they may be. At this writing, the tree is on the ground and a force of men are engaged in setting it up. It is a spruce, over 50 feet high and 14 inches in diameter at the base of the trunk.

A real estate transaction of interest to local florists has just been announced. The southeast corner of Fifth avenue and Forty-sixth street, owned by the estate of the late Thomas Byrnes, once inspector of police, has been taken on a twenty-one year lease with three renewal privileges, by Thomas S. Galvin, Inc., of Boston. The property was leased from the estate less than a year ago by Klein & Jackson. It is said that as soon as the lease on the old building expires, Klein & Jackson will tear it down and erect a six-story building from plans already prepared. The new building, it is understood, has been designed with elaborate detail as an attractive floral emporium. It is further stated that Thos.

A. Galvin, Inc., will pay a rental of nearly \$40,000 per year.

Woodrow & Markatos, whose chief business is in plants, have been very busy during the past week, both receiving stock from various greenhouses and filling orders. Their stock of ericas, azaleas, poinsettias, dracenas and many other foliage plants, is excellent and some fine combination baskets are seen in their store.

On upper Broadway there are yet a few stores that were founded by men of the "old days." Of these the most notable is that of David Clarke's sons. Having large space and a large trade, their holiday stock is always immense and of fine quality. This year they seem to have surpassed their previous efforts.

Along Third avenue and vicinity there are a number of retail stores that if not as pretentious as some others in the city, are conducted by men whose long experience has well fitted them for the business. Noteworthy among these is the firm of M. Frank & Sons.

J. H. Small & Sons have a great stock of good plants. A feature at this store is its very beautiful boxwood wreaths, decorated with red winter berries and red ribbon. A unique feature for Christmas is the show windows filled with flowering quince.

Kleitches Brothers have opened a retail store at 6 East Twenty-third street, opposite Madison Square. John Kleitches of this firm for several years conducted a store in the Bartholdi Hotel, Broadway and Twenty-third street.

Max Schling, whose store is next door to the Plaza Hotel, had a great sheaf of plant orders in by December 21, and a large force was busy preparing for the rush. Here, too, many fine combinations were seen.

At Alex. McConnell's there was a splendid exhibit of fine plants. A notable feature of this store is the attention given to fine foliage effects. Tall palms grace available spaces and columns are garlanded with ivies.

At Geo. M. Stumpp's there is a great stock of fine plants with many fine combinations of ericas, camellias, poinsettias, etc. Fine combination baskets and hampers are Christmas specialties at this store.

At both the Madison avenue and Seventy-second street stores of Chas. A. Dards there was seen a great supply of fine plant stock with beautiful and tasteful window and other decorations.

The Grammarcy Florists, Third avenue and Twenty-first street, have now a branch on upper Broadway.

Several of the wholesale dealers of Twentieth-eighth street have put in stocks of plants.

E. Straub & Co. have recently opened a good retail store at 241 Third avenue.

The Growers' Cut Flower Co. has a good stock of primroses.

J. K. Allen has a fine stock of poinsettias in pans.

A. F. F.

EAU CLAIRE, WIS.—The Wisconsin State Horticultural Society held a meeting in this city December 10.

ALLENTOWN, PA.—Marcus DeLong is preparing to erect greenhouses and will engage in the flower business in the spring.

GARY, IND.—The Boulevard Heights Greenhouse, this city's first industry of the kind, has been erected by John Owens.

ITHACA, N. Y.—The New York State Federation of Floral Clubs will hold its annual meeting at the New York state college of agriculture in February.

European Horticulture.

FROM THE BRITISH PRESS.

Propagation of Resinous Plants.—In the course of one of his recent lectures on plant propagation Professor Bayley Balfour made special reference to the propagation by cuttings of resinous plants and plants with thick juices. Examples given were mostly drawn from the gymnosperms. Many of them, it was pointed out, do not callus freely—pine trees, for example, do not form stool shoots—because the healing by callus is replaced by healing by resin, and this may be cited as an argument against the suggestion that the retrogression of the gymnospermous type in the history of the world's plant covering is a consequence of the want of a protective callus. The two critical points in striking cuttings of such resinous plants are—to prevent the drain upon the plant resources through excessive outflow of resin when the cutting is made—which may be achieved by plunging in boiling water—and to provide easy exit for new roots by scraping off the protecting resin skin. Callused and rooted cuttings of pines were exhibited, special attention being directed to them because the striking of pines by cuttings is regarded by many as impossible. The cuttings were struck by Mr. Laurence Stewart, plant propagator of the Botanic Garden.

The Original China Aster.—Until a few years ago the type of the various cultivated forms of the China Aster (*Callistephus hortensis*) was practically unknown in our gardens, for although it had been grown many years ago, the double-flowered varieties had quite supplanted it. Upon its reintroduction it quickly found favor with horticulturists, for its elegant habit and large heads of flowers, composed of a pretty mauve ray and yellow disc florets, made a very pleasing combination. Moreover, it was found to offer excellent possibilities for landscape effect when sown with a generous hand in the wild garden, and many extensive areas have been seen covered with it in autumn at Kew and in other gardens within recent years. When first reintroduced it came quite true from seeds, but a few years' cultivation appears to have exerted some strange influence upon it, which makes the color of the flowers vary considerably, and mauve, white, purple, pink and red forms may be obtained from a packet of seeds. A large mass near the Isleworth Gate at Kew may be seen in full flower at the present time, many shades of color being represented. The effect is one which might well be copied by people who are fond of touches of color in woodland scenery at this time of the year.

Aconitum Wilsoni.—There appear to be two forms of *Aconitum Wilsoni* in commerce at present, and a discussion of the subject with several of the hardy plantmen confirm my own impression of the position. Gibson and Co., of Bedale, have introduced a pale-blue monkshood under the name of *Aconitum ceruleum*, this being a most useful variety, because of its late-blooming habit, as flowers of its shade and character are scarce in late autumn. This is understood to be from A. Wilsoni, although it has not the character of the plant as introduced by Wilson. Gibson's monkshood, however, corresponds in everything almost but color with another *Aconitum* from the same district as Wilson's one, but introduced by another firm, and which has larger individual blooms of a different form and shade. Both of the plants sold as A. Wilsoni are valuable, but, on the whole, I prefer the later one to Mr. Wilson's introduction. Is it not, however, advisable that the two should be compared by the Kew

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Siebrecht & Siebrecht, Inc.**

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 603-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

authorities, and, if necessary, a different name applied to each?

Horticultural Congress at Ghent.—Intending visitors to the Ghent Quinquennial Flower Show in May next, may like to know that in conjunction therewith there will be held an International Horticultural Congress, to which foreign horticulturists are cordially invited. The fee payable to enter one's name as a member is five francs. The programme of subjects to be discussed has been drawn up and circulated, and in connection with the congress, besides the practical work, there will be the usual round of festive gatherings. Forms of membership and all particulars can be obtained of the secretary, M. Ed. Rodigas, 79 Avenue Chazal, Brussels.

Tritoma Lemon Queen.—This Torch Lily has already been in bloom for over a fortnight, and is quite effective in the mixed border. Originally planted when quite a small piece, it has in the course of a few years developed into a handsome specimen. The foliage is erect, differing in this respect from that of many of the tritomas, the glaucous color making a perfect foil to the handsome spikes. The situation on which it is grown is fully exposed to the sun, and the soil is none too deep; nevertheless, the plant increases in size year by year, and evidently relishes its position.

The blue Nemesias.—In spite of the wintry August and, so far, cold September, I never had any ground plants give so much pleasure as these. They are a sea of delicate color in the rose and other beds. There is, too, a pretty variety of color, some of the flowers being darker in the blue. We never before had such precious autumnal blue flowers, the forget-me-nots and other fine blues being mainly of the spring. This is by far the most precious annual we have had for many years.

Why Gardening is Popular.—Opening the Carlisle Flower Show recently, the speaker said he thought the growth of the popularity of gardening was due to the fact that we were all richer now than we were, so far as the chancellor of the exchequer would allow us to be. "Gather rosebuds while you may," because who knew but that they might have taxes placed upon gardens as soon as it was discovered by those in authority what pleasure they gave.

WEST LIBERTY, IA.—The forty-third annual meeting of the Southeastern Iowa Horticultural Society was held here December 3-5.

FARMINGTON, MICH.—Kroeschell Bros. Co. of Chicago will furnish the heating system for the Farmington Greenhouse Co.'s new range consisting of 3 houses 20x100 feet.

MINNEAPOLIS, MINN.—The Minnesota State Horticultural Society's forty-sixth annual meeting, held here December 3-6, was one of the best in the history of the society.

HAMILTON, MONT.—G. A. Sellenthin, for eight years head gardener at the L. F. Easton Conservatories, at La Crosse, Wis., has accepted a similar position with Mrs. Marcus Daly of this place.

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonal Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Wholesale Flower Markets

	NEW YORK, Dec. 25.	Per 100
Roses, Beauty, special.....	75	00@100 00
" " extra and fancy.....	50	00@60 00
" " No. 1 and No. 2.....	5	00@20 00
" " Bride, Bridesmaid special.....	6	00@ 8 00
" " extra and fancy.....	3	00@ 5 00
" " No. 1 and No. 2.....	1	00@ 3 00
" " Killarney, My Maryland.....	10	00@15 00
" " extra and fancy.....	6	00@10 00
" " No. 1 and No. 2.....	1	00@ 3 00
" " Hillingdon, Aaron Ward.....	2	00@10 00
" " Richmond.....	5	00@25 00
" " Sunburst, special.....	6	00@15 00
" " Milady, special.....	25	00@35 00
" " Taft, special.....	15	00@25 00
" " Mrs. Geo. Shawyer, special.....	15	00@25 00
Carnations.....	5	00@ 8 00
Cattleyas.....	50	00@60 00
Gardenias.....	10	00@25 00
Lilies, Longiflorum and Harrisii.....	8	00@10 00
Lily of the Valley.....	2	00@ 4 00
Narcissus, Paper White.....	2	00@ 3 00
Sweet Peas..... per doz. bunches,	75	@ 1 25
Violets.....	75	@ 1 00
Adiantum Croweanum.....	15	@ 50
Asparagus Plumosus..... doz. bchs.	1	50@ 3 00
Smilax..... per doz. strgs.	1	00@ 1 50
Poinsettias, cut..... per dozen,	3	00@ 5 00

DETROIT, MICH.—William Barthel has taken out a permit to build a greenhouse on Cooper street.

YORK, PA.—The Blue Mountain View Greenhouses, owned by Henry Eichholz, were totally destroyed by fire November 8. The loss is estimated at \$5,000 with no insurance.

DAYTON, O.—John Collins was elected president, Dr. Daniel Berger, secretary, and F. Breidenbach, treasurer, of the Montgomery County Horticultural Society, which met here recently in annual convention.

SYRACUSE, N. Y.—Arthur Cowee, proprietor of Meadowvale Farm of Berlin, N. Y., and well known as a bulb specialist gave an illustrated lecture before the members of the Syracuse Rose Society December 10.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway
and Sixth Avenue,

NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses,
Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

ALEXANDER J. GUTTMAN, Inc.

THE WHOLESALE FLORIST
OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS
Phone 2336 Madison. Shipments Everywhere.
Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

Rice's Record Christmas Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE & CO.

1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

PHILADELPHIA, PA.

OUR PASTIMES.

The Hop Toad.

The department of agriculture has been studying the toad, and has issued a bulletin stating that it is in all respects harmless, while as a destroyer of insects it saves the country millions every year.

The hop-toad is no beauty,
He can not sing a note,
But yet when he's on duty
All night adown his throat
Bad bugs go in procession,
He eats them by the peck;
Oh, youth! 'Tis grave transgression
To hit him in the neck.
His breath is nothing baneful,
His touch promotes no wart;
Away with legends painful!
The toad's another sort.
He wanders in the shrubbery,
To catch the errant worm;
To scorn him is flubdubbery;
So scientists affirm.
He wouldn't bite your finger,
He has no way to sting;
Long may he live and linger,
This kindly, useful thing.
Insecticide primeval,
He guards the growing crop,
Yet gossip says he's evil;
'Tis time the scandal stop.

The Onus of Office Holding.

Judge Leander Stilwell of Erie, recently appointed first assistant commissioner of pensions in Washington, writes to a friend in Chanute:

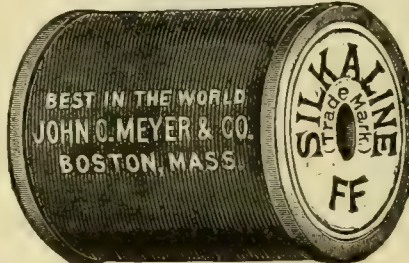
"The boys all tell me that I shall have to buy a dress suit; that the same is absolutely on a raggle in order to obtain the ongray to any important function here in Washington; that should I appear at a presidential or other reception clad in my present style my appearance would create as much consternation as if I had stalked in with nothing on but a nightie. So far, however, I have successfully stood out, and a dress suit is not included in the list of my possessions. You have been in and around Toneka considerably in recent years, and I assume that you have seen a dress suit, but I never did until I came to Washington last November. To my mind the thing makes the ordinary fellow look like a cross between a pouter pigeon and a bullfrog. It may be that I shall have to hire one sometime in order to pass the pearly gates of some of the powers that be, but I know when I put the toggery on I shall feel like seventeen different kinds of a fool, with Shiloh and Lincoln townships to hear from."

—Kansas City Star.

Easy Enough.

On his English tour the American was admiring the velvety smoothness of a certain sward, and being possessed of land and an overpowering confidence that with money all things are possible, he asked the head gardener how to produce such a lawn. And the gardener said: "It's easy enough, sir. All you need is to remove all the stones, plow up the ground, plant it with grass seed, and roll it for 300 years."—Argonaut.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name—Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....	50c per 1000, \$4.00 per case (10,000)
Green Galax.....	40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....	70c per 1000, 3.25 per case (5,000)
Fancy Fern.....	65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....	\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....	1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....	50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders too small to have our attention.

BEST REFERENCES. **BANNERS ELK, N. C.**

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet

MOSSES

E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready. Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

Carrots.

A diet of carrots is said to assure a long life, but there is reason to suspect that it only makes life feel that way.

Particulars Unnecessary.

"How did young Billmore run through his patrimony so quickly?"
"Why, he'd seen something in a magazine about ginseng farming, and—"
"O, I see!"

Mixed.

"Something wrong with this item."
"How, now?"
"Says the bridegroom took his place beneath the floral bell and 2,000 volts were immediately shot through his quivering frame."—Washington Herald.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger Ferns, Bronze and Green Galax, Holly, Leucothoe Sprays, Princess Pine, Etc.,

Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av
Telephone 1202 Madison Square. **New York**

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

Notice to Florists

LARGE and SMALL BUYERS

I have the finest stock of **FANCY and DAGGER FERNS** that was ever shipped from the east.
\$1.10 per 1000; 5000 or over, \$1.00 per 1000 for the month of December.

Robert Groves, 127 Commercial St. ADAMS, MASS.

SOUTHERN WILD SMILAX

Wire or write

Chattahoochee Floral Co., Hatcher Station, Ga.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800 01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

— Deliveries in —

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heint & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

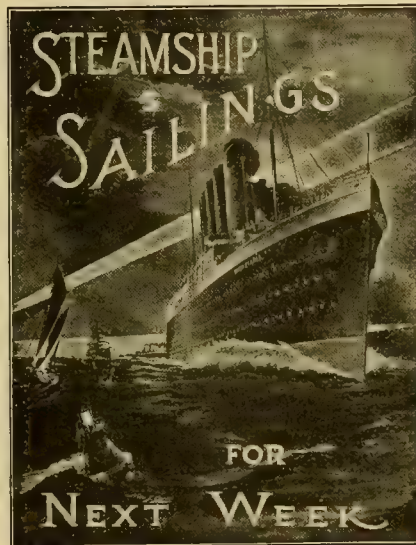
Chicago. Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

January 1.

Caracas, Red "D," noon.

January 2.

La Touraine, French, 10 a. m., Pier 57, North River.

Volturno, Uranium.

Lapland, Red Star, 3 p. m., Pier 61, North River.

Hellig Ollav, Scand.-American, 2 p. m.

January 3.

FROM ST. JOHN, Corsican, Allan.

January 4.

FROM HALIFAX, Corsican, Allan.

Cameroon, Anchor, 3 p. m., Pier 64, North River.

Laconia, Cunard.

Celtic, White Star, 12 noon.

Amerika, Ham.-Amer., 8 a. m.

Rotterdam, Holland-America, 10 a. m.

Berlin, North Ger. Lloyd, 11 a. m.

George Washington, North Ger. Lloyd, 10 a. m.

Canada, Fabre, 3 p. m.

Brazos, Porto Rico.

City of Edinburg, Norton.

Clyde, Royal Mail, Pier 42, North River.

January 5.

Suruga, Barber.

January 7.

Adriatic, White Star, 12 noon.

Potsdam, Holland-America, 10 a. m.

January 8.

Kroonland, Red Star, 10 a. m., Pier 61, North River.

Oceanic, White Star, 12 noon.

America, Navigazione, Pier 64, North River.

Maracaibo, Red "D," noon.

January 9.

FROM PORTLAND, Ionian, Allan.

FROM ST. JOHN, Pomeranian, Allan.

La Lorraine, French, 10 a. m., Pier 57, North River.

Patricia, Ham.-Amer., 10 a. m.

FROM ST. JOHN, Letitia, Donaldson.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. **Telegraph and Cable Address, DARDSFLOR.**

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**1415 Farnum St. **TELEPHONES**
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Philip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyles, 11 N. Pearl St., Albany, N. Y.
Mrs. J. B. Freeman, Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburg.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex., New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, The Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schilling, Mex, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Willson," 3 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.**High Grade Cut Blooms.**

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
J. A. VALENTINE, President,
Floral Co.**

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

**PELICANO, ROSSI & CO.,
123 KEARNY ST.**

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

To THOS. F. GALVIN, Inc.,
124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

City Index to Retail Florists' Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburgh—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: ; FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. V.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper
care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Newark, Ohio.

CHAS. A. DUERR,
The Arcade Florist,

Greenhouses,
Granville, O., Phone 26. Auto. Phone 1840

Member of Florists' Telegraph Delivery

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 809-811 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Birmingham, Ala.

John L. Parker
FLORIST

Woodward Bldg.

Open All Night

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

BOOKS FOR FLORISTS

The following books should be in every florist's and gardener's library. A good book on any subject in which you are specially interested is worth years of experience and should be kept convenient for reference at all times.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. \$3.50.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. \$1.50.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. \$1.50.

WINDOW GARDENING.—(Dorner.) An excellent treatise on this interesting subject telling in plain language the best methods of cultivating plants in rooms and windows. The author is a well known and practical grower. Well bound in green cloth, 153 pages and 43 illustrations, \$1.25.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. \$6.00.

Send prices quoted and we send the books.

The American Florist Co.

440 S. Dearborn St. Chicago

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

**We are booking orders for the spring delivery of the
new roses**

MILADY, Mrs. Chas. Russell, and Mrs. Geo. Shawyer.

¶ We can ship as far as British Columbia and have plants arrive perfect. We can grow plants to your satisfaction and ship them to reach you in perfect condition.

¶ We want your orders. Buy your roses from us or we both lose.

A. N. PIERSON, Inc.

Cromwell, Conn.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....		50	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Phoenix Roebelenii				
6-in.	6 to 7	28 to 30.....	1 50	18 00	5-in., nicely characterized.....				Each \$1 00
					6-in., 18 to 20-in. spread.....				1 50
Cedar tub	Leaves	In. high.	Each	Doz.	Cedar tub	High	Spread	Each	
7-in.	6 to 7	34 to 36.....	2 50	30 00	7-in.	18-in.	24-in.....	\$2 00	
9-in.	6 to 7	40 to 45.....	4 00	48 00	Cedar tub	Spread	Cibotium Schiedel	Each	
9-in.	6 to 7	42 to 48.....	5 00		7-in.	2 to 2½ feet.....		\$2 00	
9-in.	6 to 7	48 to 54.....	6 00		9-in.	4 feet.....		4 00	
9-in.	6 to 7	5 ft.....	8 00		9-in.	5 feet.....		5 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station
Jenkintown.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C.E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

ONION SETS quiet.

CORN drying weather continues good.

THE Burpee, Livingston and Will catalogues are the first of the 1913 editions to reach us.

W. ATLEE BURPEE & Co.'s Christmas souvenir this year is an attractive silvery buttonhole bouquet holder.

THE imports into British Honduras from the United States in 1911 include \$684 worth of plants and bulbs.

MICHIGAN bean growers complain of general moisture in the crop, making it hard to put same in shipping condition.

CHICAGO.—Prices on the Board of Trade December 24, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100 pounds.

THE new parcels post will go into effect January 1 and the compilers of catalogues should investigate its provisions as printed elsewhere in this issue.

At Chicago "greens" all closed out very well except bulk lycopodium, which continued in oversupply, though wreathing sold fairly well at only fair prices. Boxwood was scarce at the close and sold higher.

THE United States imported lily bulbs to the value of \$15,199 and \$2,120 worth of cut flowers from Bermuda in 1911. The United Kingdom's imports of bulbs for the same period from this island amounted to \$2,506.

It is sincerely to be hoped that all members of the American Seed Trade Association, all of whom have profited in many ways by the concerted action brought through this national organization, will in all their forthcoming catalogues and on their stationery use and continue to use the well established non-warranty disclaimer, the continued uniform use of which will legally protect the whole trade against unfair claims and unreasonable and unjust lawsuits.

Holmes' New Store.

The Holmes Seed Co. of Harrisburg, Pa., announces its intention of moving into the new quarters, mention of which was made in a recent issue of this paper, on or about January 1, 1913. The new place is known as the Holmes Building and the entire four floors will be occupied by the one firm. The structure is in every way modern and will give the firm much more room than it has had heretofore. It is located at 119 South Second street and is convenient to electric and steam lines.

On the ground floor will be the retail flower and garden seed departments and the offices. The wholesale department will occupy the second floor and the third will be given over to the storage of seeds in bulk and in packages. More seeds will be stored on the fourth floor on which will also

be found the cleaning department. The basement will be used for seed potatoes, fertilizers, insecticides, etc.

Every floor is reached by elevator and practically every other convenience of the modern seed house is to be found here. The firm makes a specialty of telephone orders and invites its patrons to use this method where more convenient.



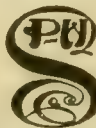
New Home of Holmes Seed Co.

Colorado Seed and Nursery Co.

The Colorado Seed & Nursery Co., with C. R. Root as the head, is Denver's latest addition to the trade. Mr. Root was for twenty-one years associated with the Barteldes Seed Co., for fourteen as manager of the Denver branch. He is one of the best and most favorably known seed men in his part of the country. He was chairman of the board of governors of the International Dry Farming Congress, and has always taken a leading part in agriculture and similar matters. He was largely instrumental in establishing the flax industry in his state. An up-to-date store with the most modern equipment has been opened at 1515 Champa street.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

"Value for Value."

It should be understood that in common with other honest seedsmen, we assume responsibility only for the amount paid for the seed. If not thoroughly satisfied your money will be returned. We are not, however, in the insurance business, as neither we ourselves, our employes, nor even our customers, are infallible. Such constant care is exercised, however, that there is but little danger of a mistake being made. "Value for value is the rule that must finally obtain in all business transactions."

The last sentence of the preceding paragraph is quoted from the concluding paragraph of an article entitled "How I Made Advertising Pay," written fifteen years ago.—From Burpee's Annual for 1913.

New Lawn Mower.

L. O. Ekrem, 1628 N. Humboldt St., Chicago, has invented a mower. This invention relates to mowers for mowing lawns, and for other like purposes, and refers more particularly to the combination of a mower having means whereby it can be manually operated, with means for supporting the mower upon the person of the operator, so that both hands of the operator are left free for manipulating the operating mechanism.—Scientific American.

DEFIANCE, O.—Christ Winterich entertained the florists of northwestern Ohio at his greenhouses and home December 8.

GREAT FALLS, MONT.—The Northern Montana Horticultural Society held its annual meeting here December 3. The old officers were all re-elected.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers

SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Boston Pickling.
Grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

Mention the American Florist when writing

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

Mention the American Florist when writing

— FOR —

SEEDS

OF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England

Mention the American Florist when writing

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Established 1877.

Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE** and **FLOWER SEEDS**, **THE LARGEST GROWERS IN ITALY**.
Ask for Catalogue and Special Offers.

Mention the American Florist when writing

BEANS, PEAS, RADISH
and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Onion Seeds--Onion Sets We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

We are also submitting contract figures for the 1913 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

— CHOICE —

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Tenerife.

CHRIS. REUTER, New Orleans, La.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.

Telegraph Code

Am. Seed Trade Association

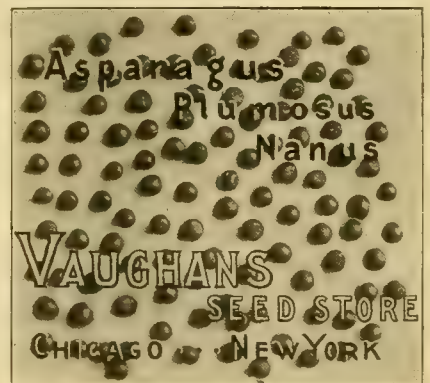
— \$2.00 —

Either stiff or flexible covers. Address orders.

American Florist Co.,

Chicago

New Crop
Northern
Greenhouse Grown (ready)



Thorburn's Seeds

WE have a very fine stock—Berlin and Hamburg, best ever imported —of Lily of the Valley Pips, in splendid condition. Send your order without delay.

\$10.00 per 1000 (in 1000 and 3000 cases)

J. M. THORBURN & CO.
110 years in business in New York City
33 Barclay Street - - New York

Lawn Grass Seed

WHOLESALE ONLY.
J. OLIVER JOHNSON,
1876 Milwaukee Ave., **CHICAGO**

Mention the American Florist when writing

The Early Advertisement
Gets There.

Gladiolus

Healthy and strong bulbs

For Forcing

First Size, 40 per cent 2-inch and over. per 1000

Augusta - \$16.00

Mrs. Francis King 17.50

America - 25.00

250 at 1000 rate.

F. F. SCHEEL

Shermerville, Ill.

CARNATIONS CANNAS GLADIOLI

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

Field-Grown Violets

Extra Strong California, \$4.00 per 100; good strong plants, \$3.00 per 100; \$25.00 per 1000.

Lady Campbell, No. 1 plants, \$3.00 per 100; good No. 2, \$2.00 per 100.

PACKED TO CARRY SAFELY.

Chas. Black, Hightstown, N. J.

S. D. WOODRUFF & SONS

SEED GROWERS

Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and Flower Seeds. Contract Taken
Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK

Mention the American Florist when writing

Cold Storage LILY OF THE VALLEY FOR DECEMBER AND JANUARY FORCING.

New crop should never be used for December or January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for December and January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Narcissus Paper White Grandiflora

We can still supply a splendid lot of these bulbs in perfect condition. Bulbs have been held in cold storage, so that they are perfectly dormant. We offer two grades—13 c-m bulbs, 1,250 to the case, and 14 c-m bulbs, 1,000 to the case—which we will supply as long as unsold at \$10.00 per case in case lots.

Spirea.

Gladstone. Fine clumps. Case lot of 100 at \$8.00 per case.

Queen Alexandra. Fine clumps. Case lot of 100 at \$11.00 per case.

Lilium Giganteum and Multiflorum.

Giganteum. 7-9 inch bulbs, case of 200 at \$16.50 per case.

Multiflorum. 9-10 inch bulbs, case of 200 at \$17.00 per case.

Fine Named Hyacinths.

We have left a few thousand bulbs in the finest named Single and Double Commercial Sorts—La Grandesse, L'Innocence, Grand Maitre, Bouquet Tendre, Grandeur de Merville, La Tour d' Auvergne, Flero, Othello, etc., \$4.00 per 100. Hyacinths. Separate Colors—red, white, blue. \$2.50 per 100.

Freesias. French, mammoth bulbs. \$6 per 1,000. Purity, \$10 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

Mention the American Florist when writing

Tuberous Rooted Begonias

We import only Bulbs which are grown from the finest large flowering strains of seed and which are sure to give satisfaction.

	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single sorts—mixed	.35	2.25	20.00
Double "—white, scarlet, yellow, pink	.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias Grassifolia Grandiflora

Our strain of this grand Summer-blooming bulbous plant is from one of the largest collections in Europe, and includes the beautifully spotted and tigered sorts.

	Doz.	100	1000
Separate colors	\$.60	\$3.50	\$30.00
Choice mixture	.50	3.20	28.00

Vaughan's Seed Store

CHICAGO NEW YORK



OFFICIAL
S. A. F.

Shipping Labels

FOR CUT FLOWERS, in two colors, on gummed paper: your card, etc., in black, and leaf adopted by the S. A. F. in red. Price, per 500, \$2.85; per 1000, \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO., 440 South Dearborn Street, Chicago

Burpee's "Seeds That Grow"

Are supplied each season direct to many more planters than are the seeds of any other brand. BURPEE'S SEEDS are known the world over as the best it is possible to produce, and are acknowledged the American Standard of Excellence.

In thirty-six years of successful seed selling we have introduced more Novelties that are now in general cultivation than have any three other firms. We produce Selected Stocks upon our own seed farms in Pennsylvania, New Jersey and California, while FORDHOOK FARMS are famous as the largest trial grounds in America. No government Experimental Station attempts such complete trials each season, and the information here obtained is of incalculable benefit to planters everywhere.

Each season we travel more than thirty thousand miles to personally inspect our growing crops and yet never travel a single mile to solicit an order! We ask, however, that you allow our SILENT SALESMAN to have your careful attention in the quiet of your own home.

Simply send us your address plainly written and kindly state where you saw this advertisement. Then by first mail you will receive

The Burpee-Annual for 1913

A bright new book of 180 pages, it pictures by pen and pencil all that is Best in seeds and tells the plain truth. While embellished with colored covers and plates painted from nature it is A SAFE GUIDE—entirely free from exaggeration.

Shall we send you a copy? If so **write TO-DAY!** A postal card will do,—and you will not be annoyed by any "follow-up" letters.

Burpee's Blue List for 1913

The most complete catalog published for MARKET GARDENERS, TRUCKERS and FLORISTS. For the planter who "knows" it contains complete lists of all that is best in vegetables and flowers, while the grower who is uncertain as to the best varieties suited for his purpose may be guided by the bull's-eye ☉ placed after what is known to be best. In addition full descriptions are given many new and most valuable varieties.

BURPEE'S BLUE LIST FOR 1913 contains 148 pages with hundreds of half-tone and engraved illustrations. Within the pages of this catalog we have condensed an experience of thirty-five years both in handling and the actual growing of seeds.

If you garden for profit (that is, sell your products in the market) you are entitled to a copy of this complete and easily understood catalog, but if you are a private planter please do not ask for a copy, as we must protect the Market Gardener, Trucker and Florist.

Burpee's Red List

Is mailed to **Dealers only.** To obtain this catalog it is necessary to write on business stationery or enclose a card showing that you **buy seeds to sell again**,—and not only in large quantities for your own planting. We always protect the Trade!

W. Atlee Burpee & Co.
PHILADELPHIA

The World's Largest Mail-Order Seed House

THE NEW GOLD MEDAL ROSE "Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

**OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.**

WABAN ROSE CONSERVATORIES, Natick, Mass.

Fine Stock Plants

Asparagus Plumosus and Asparagus Sprengeri

From 2 1/4-in. pots,
\$3.00 per 100; \$25.00 per 1000.

Smilax

From 2 1/4-in. pots, \$2.00 per 100.

Single Bedding Hyacinths

White, Red and Blue,
\$1.60 per 100; \$15.00 per 1000.

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,
ROCHESTER, N. Y., The Flower City.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt, Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5 in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

GLADIOLUS FOR FORCING

Specially graded for Florist Forcing, for delivery during November and December.

	Per 100	Per 1000
America, pink.....	\$3.50	\$30.00
Augusta, white.....	2.25	18.00
Mrs. Francis King, scarlet.....	2.75	22.50
Taconic, pink.....	4.50	40.00
Blushing Bride, white, pink blotch.....	.75	6.00

SPIRAEA STRONG CLUMPS, WITH PLUMP EYES

	Per doz.	Per 100
Floribunda.....	\$1.00	\$7.00
Gladstone.....	1.25	9.00

A. HENDERSON & CO.
352 N. Michigan Ave. Phone Randolph 2571 CHICAGO

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Contract Seed Grower

**SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.**

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

Lady Hillingdon Roses

Fine 2 1/4-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Seed Packets.

Write for Samples
and Prices.

THE BROWN BAG FILLING MACHINE CO.,
FITCHBURG, MASS.

Franzen's Seeds Sure to Grow

Primula Chinensis, fine mixture, 100 seeds, 50c.
Cyclamen, giant strain, fine mixture of colors, 1000
seeds, \$3.50. **Cineraria Hybrida Grandiflora**, fine
mixture, 100 seeds, 60c. **Stock**, Ten Weeks Double,
fine mixture, oz., \$1.50. **Pansy**, giant strain, mixed,
oz., \$1.25. **Pansy**, superfine, very large, mixed, oz.,
\$2.00. **Pansy**, superfine, very large, in separate
colors, oz., \$2.50. **Lettuce**, Grand Rapids, per lb.,
\$1.00. **Radish**, Scarlet Globe, per lb., 75c.

F. O. FRANZEN, 1476 Summerdale Ave., Chicago

THE C. HERBERT COY SEED CO.

VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

Ferns for Dishes

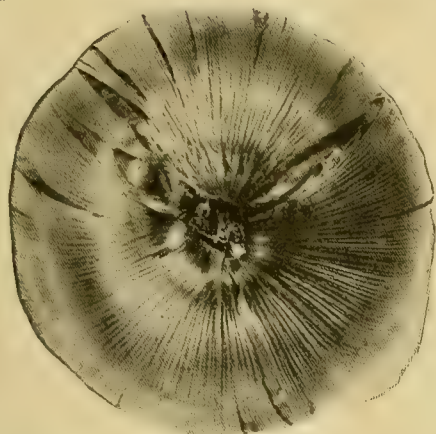
Best varieties, 2 1/4-in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacts (new), to take the place of
Whitman. A better commercial fern; 2 1/4-in.,
\$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

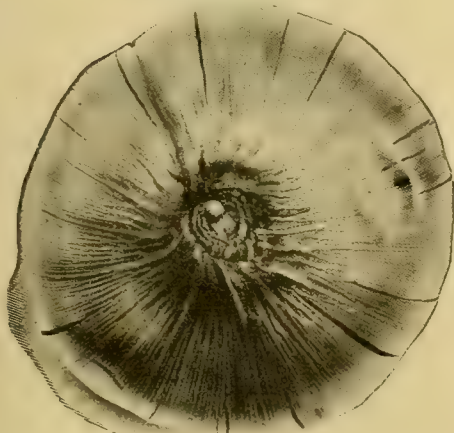
HENRY H. BARROWS & SON, Whitman, Mass.



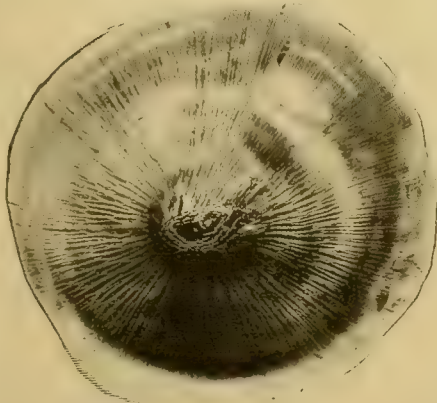
MRS. FRANCIS KING.



AUGUSTA



CHICAGO WHITE



AMERICA

We are Growers of **Gladiolus** **Bulbs**

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

	Per 1000
Mrs. Francis King, First Size	\$18.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ Medium Size.....	13.00
America, First Size	25.00
“ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices before placing orders for this stock.

Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready

Special Lists of Novelties
can be made up on request.

VAUGHAN'S SEED STORE
CHICAGO **NEW YORK**

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

WATERLOO, IA.—The first greenhouse for vegetables has been erected here by Frank Shecack and Phil Mahoney. It is 30x150 feet.

THE imported cabbage worm furnishes the subject of a valuable bulletin issued by the United States Department of Agriculture. A history of its introduction in 1897 and its spread and ravages, together with its habits is contained in the bulletin. Kerosene oil and soap as well as Bordeaux mixture are among the remedies recommended.

Prices of Indoor Fruits and Vegetables.

Chicago, December 23.—Mushrooms, 20 cents to 50 cents per pound; lettuce 10 cents to 12½ cents, small cases; radishes, 25 cents to 50 cents per dozen bunches; tomatoes, 17 cents to 18 cents per pound.

New York, December 21.—Cucumbers, \$1.50 to \$1.75 per doz. and \$2.50 to \$5 per box; mushrooms 60 cents to \$1.80 per 4-pound basket; tomatoes, 6 cents to 12 cents per pound; radishes, \$1 to \$2 per 100 bunches; lettuce (eastern), 25 cents to 35 cents per strap. (Jersey) 40 cents to 60 cents per barrel, other 10 cents to 20 cents; mint, 50 cents per dozen bunches.

Sash Houses.

The old-fashioned hot-bed is rapidly losing ground. With all that has been said against hot beds, the fact remains that, if well managed, they certainly produce the best plants for the market gardener. So far the chief argument against hot-beds has been the excessive attention and labor required. But now comes another—scarcity of manure, for automobiles and motor trucks are so rapidly crowding the horses out of cities that in a few more years manure will be next to unobtainable, we fear. In our locality manure was not only plentiful five years ago, but could often be had delivered free of charge, as many barn owners were at a loss to know how to dispose of it. Thousands of tons were dumped into river bottoms and out-of-the-way places. This is all a thing of the past, never to come again, and with these conditions we must figure.

Where formerly we were very friendly towards the hot-bed, as it gave us a chance to compost our main manure supply besides heating the frames, we must now save all we can get of any manure for direct fertilizing. We will therefore resort to sash-houses for plant production, using our available hot-bed sash for the purpose. We will build these houses 10 feet wide, using 2x4s for rafters and manage so we can slide the sash down for ventilation any length or remove them entirely later on to harden the plants. We will use a special hotwater boiler to heat the plant house as needed.

Such an arrangement will enable us to get along without the flats advocated by some greenhouse plant men to harden their plants.

MARKETMAN.

Asparagus Rust.

Breeders and growers of asparagus are advised by the United States Department of Agriculture through Bulletin 263, Bureau of Plant Industry, to take up pedigree breeding and to use careful methods of production in order to keep rust from the plant. On the subject the bulletin says:

"Although the breeding work carried on with asparagus will eventually lead to the control of rust in commercial plantings, several years must elapse before this result will become effective. Meanwhile it is necessary to take all measures practicable to prevent the destruction of existing fields of asparagus by the rust. To this end the main factor is to keep the rust away from the fields in summer just as long as possible.

"Wild asparagus growing around the borders of the fields, along fences and ditches is one of the worst enemies of the grower. These wild plants act as infection centers and their influence can be easily traced later in the season when the cutting beds have grown up. Wild plants wherever found should be dug up and burned. New beds should be planted at only rare intervals of time and then if possible where they will be to windward of a cutting bed. Keep the seedlings out of the cutting bed, at least let none stay in at the time the bed is allowed to grow up after the cutting season. Allow no poor shoots to grow up in the cutting field. Keep down every shoot of asparagus until the middle of June and see the neighboring farmers do the same. In the fall the tops should be removed carefully from one-year-old beds that are not to be cut the next year. This will in a large measure reduce the liability of infection from this source."



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne Junc., N. J.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

Mushroom Spawn

New Crop ENGLISH



Just Arrived
per Steamer
Ionian, from
London.

Live Spawn,
Well "Run."

25 lbs. \$2.00
100 lbs. 6.50

Lower prices on
1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; **LETTUCE**, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.



Seasonable Plants

By the thousand all the winter through.

Godfrey Aschmann's quality, such as described below, now in prime condition.

AZALEAS.

Azaleas in Bloom, assorted colors, 75c to \$1.00; \$1.25 to \$1.50.

For Easter Blooming and for Easter we have the well-known American varieties, such as Mme. Van der Cruyssen, best pink; Paul Weber, De Schryveriana, John Llewellyn, Niobe (white), Apollo (red), and a few more good sorts. Deutsche Perle, Simon Mardner, Verveaneana, Price 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

FERNS. Our Ferns Are All Pot-Grown.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old, dark houses bring fungus and make spindly plants.

Neph. Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani, 4-in., 20c; 5 1/2 to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii, 4-in., 20c; 5-in., 35c; 5 1/2 to 6-in., 40c to 50c; 7-in., 75c.

Boston, 7-in., as big as a washtub, \$1.00, worth \$1.50; 7-in., medium size, 75c; 5 1/2 to 6-in., 40c to 50c; 5-in., 35c.

Neph. Elegantissima Compacta, 6-in., 50c.

GODFREY ASCHMANN,

Neph. Scholzei, 7 in., as big as a bushel basket, \$1.00; 7-in., medium size, 75c; 6-in., 50c; 4-in., 25c.

Cyr. Falcatum or **Holly Fern**. Everybody looks for Holly Ferns. We have large 4-in., 20c to 25c. 6-in. pans (azalea pots), made up of 3 large **Boston Ferns**, now very bushy, 35c, 40c to 50c per pan.

We have a big assortment of 2 1/2-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive. Look! only 25c per pan for three big plants.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/2-in., \$3.00 per 100; 5 1/2-in., made up of three 4 in., 15 in. high six weeks ago, 35c to 40c.

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100.

Ficus Elastica, Belgium or American stock, 5 1/2-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Araucarias Our Specialty. Araucaria Excelsa.

We are well prepared: have many thousands of them, the choicest stock Belgium could furnish us, and will be able to supply all wants in all sizes and prices. 5, 5 1/2, 6 and 7 in. pots. 3, 4, 5, 6 and 7 tiers. 12-14-16-18-20-25-30-40-50 in. high. Prices reduced one half. 40c, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Please state if pots are wanted.

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Begonia Glorie de Lorraine.

Our special treatment makes the flowers very bright. We have the **Bright Red** and the **Pink Lonsdale**.

We also have the finest **Begonia Glory of Cincinnati**, in bloom, 5 1/2 to 6-in. pots, 50c, 60c, 75c, \$1.00 to \$1.50; 4-in. pots, 35c to 40c.

Begonia Argentina Cristata, 4-in., 20c.

Now is the time to force **Hydrangea Otaksa**, pot-grown. Remember, only pot grown stock, like ours, will force successfully. 5 1/2-6-7 in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., 10c to 15c. Very bushy plants. 5 1/2-in., in bloom, \$3.00 per doz.; no flowers, 20c.

Primula Chinensis, John F. Rupp strain, in bloom, assorted, 5 1/2-in., only \$2.50 per doz.

Jerusalem Cherries (Solanum), 6-in., 25c, 35c, 50c; well berried, big plants only.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100; 4-in., 15c.

Poinsettias, 4-in., 20c to 25c; 5 1/2-in., 35c to 40c, 5 1/2-in., with **Asparagus Plumosus** or **Sprengeri** around, 35c.

Dracaena Terminalis, 4-in. 25c; 5 1/2-in., 40c to 50c; 7-in. pots, combination, 3 to 4 plants in a pot, well colored up, **Asparagus Sprengeri** or **Ferns** around; very fine; only \$1.00, worth double the amount.

Hydrangea Otaksa for Easter blooming (force now.) We have the pot grown, 5 1/2, 6 and 7 in. pots at 25c, 35c, 50c to 75c.

Philadelphia, Pa.

Choice Decorative Stock

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs. Prices on Application.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine **TABLE FERNS**, 12 varieties, 2 1/4 inch, \$25.00 per 1000; \$3.00 per 100; 500 at thousand rate; 3-inch, \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.

Pandanus Veitchi, Fine colored stock.

5-inch.....\$1 00 each; \$ 9 00 per doz.

6-inch.....1 50 each; 18 00 per doz.

7-inch.....\$2 00 to 2 50 each; 24 00 per doz.

Dracaena Terminalis.

4 inch, fine color.....25c each; \$2 50 per doz.

5 inch.....50c each; 5 00 per doz

Dracaena Massangeana.

Well colored, 6-inch, \$1.25 to \$1.50 each.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.

4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5.00 per dozen. Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 dozen.

Extra Fine Rubber Plants.

6-inch.....50c to 75c each

Asparagus Plumosus.

4-inch strong.....\$10 00 per 100

Our stock of Palms, Ferns, Araucarias, Rubbers and Dracaenas is complete; for prices, see following list:

FERNS. Boston and Whitmani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100

6-inch.....\$0 55 \$ 7 00 \$50 00

7-inch.....0 75 9 00

8-inch.....1 00 12 00

10-inch.....2 50 30 00

12-inch.....3 50

Cibotium Schiedei, 6-in.....\$1 50 each

Palms—Areca Lutescens, 7-in, \$2 00 each

Ficus Pandurata, 7-in., 5 ft. high, \$4 50 each

Send All Plant Orders Direct to

Plant Department,

Morton Grove, Illinois.

POEHLMANN BROS. CO.,

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots.
Carnations for fall delivery.

Chrysanthemums
Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL New York

Mention the American Florist when writing

SUNBURST

Extra Choice Young Plants own root in 2 1/2-in. pots,
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100—Ready January 1st.

BASSETT & WASHBURN

Office, 131 No. Wabash Ave.
CHICAGO

Greenhouses,
HINSDALE, ILL.

The Early Advertisement Gets There

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

SCOTCH GROVE, IA.—F. W. Royden of Lynnville has leased the Hoyt Bros. nursery.

MINNEAPOLIS, MINN.—The forty-sixth annual meeting of the Minnesota State Horticultural Society was held here December 3-6.

THE new parcels post will go into effect January 1 and the compilers of catalogues should investigate its provisions as printed elsewhere in this issue.

PORTLAND, ORE.—Radical changes in the state laws governing the fruit-raising industry were proposed at the recent meeting of the State Horticultural Society. The abolition of the state board of horticulture is one of the reforms advocated.

MISS ELSIE SCHEEL of Brooklyn, N. Y., Cornell University's "perfect woman," is a student of horticulture in that institution. Miss Scheel is 24 years of age and her bodily measurements are said to be in perfect proportion. She expects to raise vegetables on her father's Long Island farm on the completion of her course.

PERU, NEB.—The Duncan-Hesseltine Fruit and Nursery Co., a new concern, will begin business here shortly. The company is capitalized at \$22,800 and the officers are: J. R. Duncan, president; R. B. Duncan, vice-president; Ray W. Hesseltine, treasurer; J. Grant Hesseltine, secretary. W. M. Ogg, R. B. Duncan and Mrs. Dora Hesseltine are the directors.

The Late Patrick McDonnell.

Patrick McDonnell, a well known and successful nurseryman of Oakland, Calif., died November 30 after a two-weeks' attack of pneumonia. Mr. McDonnell was a native of Ireland and came to America in early youth. He was 54 years of age at the time of his death. The widow and four children survive.

Transplanting Forest Grown Evergreens.

ED. AMERICAN FLORIST:

What is the best time to transplant balsam, pine and spruce trees? They must be shipped a long distance and taken out of our northern forest.

A. L. S.

Michigan.

This question is not easy to answer offhand. The writer has just returned from a vacation and collecting trip to the North Woods, in the northern peninsula of Michigan, and can readily understand the temptation to want to have some of the thousands of evergreens seen there. We find that transportation out of the woods is difficult, and by rail exceedingly slow afterwards if sent by freight. If the final destination is south, it would be best to dig them in the autumn; even now would do if they are not frozen down. There would then be the moderate winter months for the plants to get over the transplanting. If they are to go east, or in another cold winter climate, it is certainly too late to move them now. If again, and this is important,

the same conditions cannot be given these northern born trees as to soil and especially moisture, it is waste of time and money to attempt the experiment. The writer can show anyone interested the results of a carload brought out of the North Woods over ten years ago. These are white spruce, balsam fir and white pine, with a few tamarack mixed in. The soil conditions were so very different here, that the trees almost beg one to take them back to their northern home and the rich deep moist humus in which they were born.

It would be much better to dig the trees and grow them a year in some clearing, before shipment, then have large crates on hand, pack the roots at the ends of crates with plenty of damp moss, leaving the top ends on in the middle of crate with plenty of space for air to circulate through. In this way they might be lifted at the close of hot weather, and still be set out in time to get established in their new home before winter. Spring opens so late there it would be risky sending young evergreens at that time unless they too had been once transplanted. If A. L. S. had stated the destination of trees to be shipped, one could be more specific. We have brought out the trailing arbutus, wintergreen, partridge berry, Linnaea borealis, and a lot of ferns. All these will live and grow. It is a revelation to anyone interested to visit the northern forests, and see what the prodigality of nature has scattered there, and to reproduce which, the art of man would be taxed to the limit.

E. O. ORPET.

PORTLAND, ORE.—The Royal Order of Rosarians are endeavoring to raise \$100,000 to defray the expenses of the seventh annual rose festival to be held here June 9-14, 1913.

JAMESTOWN, N. D.—H. B. Dahlberg, formerly of Minneapolis, has assumed the local management of the Jamestown Floral Co., the new flower store opened here by R. D. Hoskins of Bismarck.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

First-Class Fruit Trees.

Propagated from selected bearing trees of merit. Grown in the Genesee Valley. No scale.

SAMUEL FRASER, Box D, GENESEO, N. Y.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

MANETTI STOCKS.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$8.50	Spiraea Superba.....	\$ 6.00
Spiraea Florabunda.....	5.00	Spiraea Queen Alexandra....	10.00

GLADIOLUS FORCING STOCK.

America.....	3.50 per 100,	30.00 per 1000
Mrs. Francis King.....	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS
Nurserymen and Florists.
RUTHERFORD, N. J.



The Herald NEW SCARLET CARNATION

Winner over all other Scarlet Carnations the Past Two Years.

Winner of first prize, best 100 red, St. Paul, 1912.

Winner of first prize, best 100 red, Cincinnati, 1911.

Winner of first prize, best 100 red, Cleveland, 1912.

The Herald is the Best Commercial Scarlet for you to grow, because it will produce more perfect flowers in a season than any other scarlet and bring a higher price than any other; because the flowers are all perfect; stem stiff and keeps the longest. All rooted cuttings guaranteed strong, well rooted and satisfactory in every respect.

Rooted Cuttings Ready January 1, 1913. Price, \$100 per 1000.



200,000 Rooted Cuttings of the following ready for delivery January 1, 1913. Place your order now.

	Per 100	Per 1000		Per 100	Per 1000
The Herald, scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink.....	3.00	\$ 25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Wodenethe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa, medium pink.....	4.00	35.00	Washington, dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder, pure white.....	4.00	35.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.

30 E. Randolph St.,

CHICAGO, ILL.

Chrysanthemums

Of all Descriptions.

NOVELTIES FOR 1913

And all the Best Standard Sorts.

Catalogue Ready in January.

The Best Double Red Geranium is

SCARLET BEDDER

FULLY INDORSED.

January delivery from 3-in. pots, \$1.50 per ten; \$12.50 per hundred.

Elmer D. Smith & Co.,
ADRIAN, MICH.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedei 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including Cyrtomium Falcatum, and

Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

THE STORRS & HARRISON CO. - Painesville, Ohio.

PRIMROSES

	Per 100	Per 1000
Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots.....at	\$1 50	\$12 00

ASPARAGUS

Plumosus, 2 1/4 pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

3-inch Pot Plant.....	4 00
-----------------------	------

S. A. Nutt and Poiterine, 2 1/4 in. pots, \$3.00 per 100; \$25.00 per 1000.

Buchner, \$2.50 per 100; \$20.00 per 1000.

Pansy Plants, giant flowers, \$2.50 per 1000.

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

CARNATIONS

Rooted Cuttings, Season 1912-1913.

December and January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas.....	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Index to Advertisers.

Advance Co The.....1374
 Albany Cut Flower Ex. 1349
 Alpha Floral Co.....1351
 American Spawm Co. 1362
 American Wooden
 Ware Mfg Co.....1376
 Amling E C Co.....1345
 Anderson S A.....1351
 Andorra Nurseries.....1364
 Angermueller G H.....1346
 Aphine Mfg Co.....1372
 Archias Floral Co.....1354
 Aschmann Godfrey.....1363
 Atlanta Floral Co.....1352
 Auburndale Gold
 Fish Co.....1343
 Bader Jno & Co.....1358
 Barrows H H & Son 1360
 Bassett & Washburn
 Co.....1336 1363
 Batavia Greenhouse
 Co.....1344
 Bayersdorfer H.....1373
 Beaven E A.....1350
 Begerow S.....1354
 Berger Bros.....1346
 Berning H G.....1346
 Berterman Bros Co. 1352
 Black Chas.....1358
 Bobbink & Atkins.....1364
 Boddington A T.....1351
 Bodger J & Sons Co. 1351
 Boland J B Co.....1351
 Boligiano J & Sons.....1354
 Rowe M A.....1353
 Bramley & Son.....1354
 Braslan Seed Grow
 Co.....1356
 Breitmeyer's J Sons. 1352
 Brown Alfred J Seed
 Co.....1356
 Brown Bag Filling
 Machine Co.....1360
 Bruns H N.....1351
 Buchbinder Bros.....1371
 Buckbee H W.....1354
 Budlong J A.....1344
 Burpee W A & Co.....1359
 Caldwell the Woods-
 man Co.....1350
 California Seed Grow
 Assn.....1356
 Camp Conduit Co.....1376
 Carbone Philip L.....1354
 Chattahoochee Flo. Co. 1350
 Chicago Carn Co. I 1365
 Chicago Flower
 Growers Assn.....1343
 Chicago House
 Wrecking Co.....1373
 Clark E B Seed Co. II
 Clark G R.....1371
 Clark's Sons David. 1353
 Cleveland Cut
 Flower Co.....1353
 Conard & Jones.....1360
 Cooke Geo H.....1351
 Cotsonas Geo & Co. 1350
 Cowee W J.....1374
 Coy H C Seed Co.....1360
 Craig Robt Co.....1365
 Critchell C E.....1347
 Cross Eli.....1355
 Cunningham Jos H. 1365
 Dailedouze Bros.....1355
 Dammann & Co.....1357
 Daniels & Fisher.....1353
 Dards Chas.....1352
 Deamud J B Co.....1342
 Denaiffe & Son.....1356
 Detroit Flower Pot
 Mfg.....1376
 Dietsch A & Co. IV 1374
 Diller Caskey &
 Keen.....1374
 Dillon J L.....1356
 Dingee & Conard Co. 1360
 Dorrer F & Sons.....1365
 Dreer H A.....1373 1376
 Duerr Chas A.....1354
 Dunlop John H.....1353
 Dwelle-Kaiser Co
 The.....1372
 Edwards Folding
 Box.....1366
 Elk Galax & Fern
 Co.....1350
 Emmans Geo M.....1360
 Erie Floral Co.....1351
 Erne & Klingel.....1345

Esperance L Nurs.....1364
 Ever Ready Flower
 Pot Cover Co.....1343
 Eyles H G.....1353
 Fish Henry Seed Co. 1360
 Florists' Hail Assn. 1373
 Foley Mfg Co.....1351
 Fottler, Fiske,
 Rawson Co.....1352
 Franklin Plant Farm 1362
 Franzen F O.....1360
 Fraser Samuel.....1364
 Freeman Mrs J B.....1354
 Freeman & Sons S.....1372
 Froment H E.....1349
 Galvin Thos F.....1353
 Garland GM.....1375 1311
 Gasser J M Co.....1353
 Geny Bros.....1354
 Giblin & Co.....1375
 Godineau R & M.....1357
 Gorham & Chapline 1374
 Grand Rapids
 Flower Co.....1353
 Groves Robert.....1350
 Gude Bros.....1352
 Gutman Alex J.....1349
 Hatcher, Florist.....1354
 Haven Seed Co The 1357
 Heacock Jos Co.....1355
 Heil John & Son.....1351
 Henderson A & Co. 1360
 Herr Albert M.....1335
 Herrmann A.....1372
 Hess & Swoboda.....1352
 Hews A H & Co.....1376
 Hilfinger Bros.....1376
 Hines E Lumber Co. 1373
 Hoerber Bros.....1344
 Hoffman Flo Artist. 1353
 Hoffmeister Flo Co. 1347
 Holm & Olson.....1352
 Holton & Hunkel Co. 1346
 Home Cor School.....1365
 Hooker H M Co.....1373
 Hurff Edgar F.....1360
 Igoo Bros.....1366
 Illinois Pipe Mfg Co. 1372
 Isbell S M & Co.....1351
 Jackson & Perkins.....1335 1364
 Jacobs S & Son.....1374
 Johnson J Oliver.....1357
 Johnson WW & Son 1357
 Johnston Glass Co. 1371
 Jones Percy.....1336
 Kasting W F Co.....1347
 Keller Geo & Sons. 1376
 Keller JB & Sons.....1354
 Kellogg Geo M.....1351
 Kennicott Bros.....1345
 Kervan Co The.....1349
 Kessler W A.....1349
 Kift Robt.....1353
 King Construct Co. 1375
 Kohr A F.....1376
 Kramer I N & Son.....1376
 Kroeschell Bros Co. 1374
 Kruchten John.....1344
 Kuehn C A.....1346
 Kuhl Geo A.....1335
 Kyle & Foerster.....1345
 LaCrosse Floral Co. 1351
 Lager & Hurrell.....1351
 Lange A.....1351
 Landreth Seed Co. II
 Lecakes N L & Co. 1349
 Lederer.....1371
 Leedle Floral Co.....1360
 Lehman Bros.....1371
 Leonard Seed Co.....1357
 Lord & Burnham.....1371
 McCallum Co.....1347
 McConnell Alex.....1351
 McCoy L W.....1354
 McCullough's J M
 Sons Co.....1347
 McHutchinson & Co. II
 McKellar Chas W.....1345
 McKenna P & Son. 1353
 Mailander W M.....1366
 Mangel.....1351
 Matthews Florist.....1353
 May & Co L L.....1351
 Meconi Paul.....1349
 Mette Henry.....1362
 Meyer John C & Co. 1350
 Michigan Cut Flower
 Exchange.....1350
 Miller E S.....1357
 Moninger J C Co... IV

Montreal Floral Ex. 1347
 Moore, Hentz &
 Nash.....1349
 Morehead Mfg Co.....1373
 Mt Gilead Pottery
 Co.....1376
 Munk Floral Co.....1347
 Murray Samuel.....1352
 Myers Florist.....1354
 Nat Flo B of Trade. 1373
 N Y Cut Flower Ex. 1349
 Niessen Leo Co.....1347
 Oechslin Frank.....1360
 Oklahoma Seed Gro
 Co.....1357
 Palmer W J & Son. 1352
 Park Floral Co.....1352
 Parker John L.....1354
 Peacock Dahlia Fms 1362
 Pedrick Geo & Son. 1358
 Pelicano, Rossi &
 Co.....1352
 Pennock-Meehan Co. 1349
 Penn the Florist.....1352
 Peters & Reed Poty 1376
 Peterson & Sons, J A I
 Pierson A N (Inc.).....1355
 Pierson F R Co. I 1358
 Pierson U-Bar Co.....1375
 Pieters & Wheeler
 Seed Co.....1356
 Pillsbury I L.....1374
 Pinkston Jas E.....1350
 Pittsburgh Cut Flo. Co. 1347
 Podesta & Baldocchi 1353
 Poehlmann Bros Co
 Pollworth C C Co
 Co.....1346 1353
 Pulverized Manure
 Co.....1372
 Quaker City Machine
 Works.....1366
 Raedlein Basket Co. 1342
 Randall A L Co.....1345
 Randolph & Mc
 Clements.....1373
 Ratekin's Seed H se 1357
 Rawlings Elmer.....1358
 Ready Reference.....1367
 Reed & Keller.....1373
 Regan Ptg House.....1372
 Reid Edw.....1347
 Reinberg Geo.....1345
 Reinberg Peter.....1341
 Reuter Chris.....1357
 Rice Bros.....1346
 Rice & Co. M.....1350
 Robinson J C Seed Co. II
 Rock W L Co.....1352
 Roemer Fred.....1357
 Rohnert Seed Co. II
 Routzahn Seed Co. II
 Rusch G & Co.....1346
 Saakes O C.....1353
 Saltford Flower Shop 1352
 Scheel F F.....1358
 Schilder Bros.....1357
 Schiller, the Florist. 1354
 Schillo Adam.....1366

Schlatter W & Son. 1366
 Schling Max.....1354
 Schmidt J C.....1335
 Schulz Jacob.....1352
 Scott John.....1335
 Shaffer Geo C.....1353
 Sharp Partridge & Col 1371
 Siebrecht & Sie-
 brecht Inc.....1349
 Situation & Wants.....1333
 Skidelsky S S & Co. 1357
 Smith A W & Co.....1353
 Smith ED & Co.....1365
 Smith & Hemenway 1375
 Smith Henry.....1353
 Smith Wm C.....1346
 Smith W & T Co... I
 Stearns Lumber Co. 1370
 Stevens Gladioli Co. 1334
 Stoothoff H A Co.....1372
 Storrs & Harrison.....1364 1365
 Superior Machine
 & Boiler Works.....1372
 Syracuse Pottery Co. 1376
 Taylor Steam Trap
 Co.....1374
 Texas Seed & Flower
 Co.....1351
 Thompson Car Co.....1363
 Thomson Wm &
 Sons.....1372
 Thorburn J M & Col 1357
 Totty Chas H.....1360
 Trimble W E
 Greenhouse Co.....1345
 Valentine Frank.....1351
 Vaughan A L & Co. 1340
 Vaughan's Seed Store I
 1335 1342 1357 1358
 1361 1362 1373 1376
 Vestals.....1354
 Vick's Sons Jas.....1360
 Vincent R Jr.....1362
 Virgin U J.....1354
 Waban Rose Cons. 1360
 Wagner Park Cons. 1376
 Walker F A & Co.....1354
 Ward & Co. R M.....1351
 Weiland & Risch.....1345
 Welch Bros.....1347
 Western Seed &
 Irrigation Co.....1337
 Wietor Bros.....1341 1345
 Wilks S Mfg Co.....1372
 Williams Mrs E A.....1354
 Wilson R G.....1351
 Winandy M & Co.....1366
 Windler Wholesale
 Florist Co.....1346
 Wittbold G Co.....1351
 Wittbold Henry.....1345
 Wolfskill Bros &
 Morris Goldenson 1353
 Wood Bros.....1363
 Woodruff S D & Son. 1358
 Yokohama Nurs Co. II
 Young & Nugent.....1351
 Zech & Mann.....1344
 Ziska Jos.....1345



Mention the American Florist when writing

Wm. Mailander Greenhouse Contractor Morton Grove, Ill.

Estimates for greenhouse construction work in
1913 can be furnished now.

Mention the American Florist when writing



No loss if you
mend your
split carna-
tions with
**Superior
Carnation
STAPLES**
50c per 1000
postpaid.
Wm. Schlatter



BEFORE AFTER
422 Main St., Springfield, Mass.

Mention the American Florist when writing



Model Extension Carnation Support

Made with two or
three circles. En-
dorsed by all the
Leading Carnation
Growers as the best
support on market

Pat. July 27, '97. May 17, '98
**GALVANIZED WIRE
ROSE STAKES.**

Write for prices before
ordering elsewhere.
Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.
BROOKLYN, N. Y.

Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
Richmond, Ind.

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value
of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.
Pecky Cypress, because of its durability, is the only wood now being used
for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.
L.D. Phones: Lincoln 410 and 411

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.
6236 N. Lincoln St. CHICAGO
Telephone Ravenswood 607.

Mention the American Florist when writing

The Early Advertisement Gets There

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 4-in., 8 to 10 ins., 2 to 3 whorls, 50c each; \$5.50 per doz.; 5-in., 12 to 14 ins., 3 to 4 whorls, 75c each; \$8 per doz. Excelsa glauca, 5-in., 10 to 12 ins., 2 to 3 whorls, 75c each; \$8 per doz. Robusta compacta, 5-in., 12 ins., 3 to 4 whorls, \$1.25 each; \$14 per doz.; 7-in., 18 ins., 4 to 5 whorls, \$2.50 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 4-in., 2 to 3 tiers, 50c each; \$6 per doz.; 6-in., 4 to 5 tiers, \$1 each; \$12 per doz.; 7-in., 4 to 5 tiers, \$1.50 each; \$18 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 50c each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2-in., \$3 per 100; 3-in., \$6 per 100; 4-in., \$1.50 per doz; Sprengeri, 3-in., \$5 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2¼-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus nanus, 2¼-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2¼-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2¼-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2¼-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. V.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ASPIDISTRAS.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green, 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, green, 8c per leaf; variegated, 15c per leaf. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas, Verveneana, Mme. Petrick, Mme. Ernst Eckhaute, Mme. R. De Smet, Heye, Simon Mardner. For sizes and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas at from 75c to \$1, all colors. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees, standards with crowns 20, 22, 24, 26, 46 inches in diameter. Pyramids, 6 and 7 ft. Vaughan's Seed Store, Chicago and New York.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, in full bloom, 50c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Gloire de Lorraine, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwood. For sizes and prices see advertisement elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spireas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Liliun longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs, Gladiolus and spirea. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

The IMPROVED CANNA, 64 varieties, including Mrs. A. F. Conard and the finest new ones. Send for price list. The CONARD & JONES CO., West Grove, Pa.

CARNATIONS.

CARNATION CUTTINGS.

For December delivery.

	Per 100	Per 1,000
Wodenesthe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

WIETOR BROS.,

162 N. Wabash Ave.,

Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, rooted cuttings, strong, healthy stock out of sand, Winsor, Victory, \$1.50 per 100; \$13 per 1,000; White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000; White Enchantress, \$2.50 per 100; \$22 per 1,000. 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Geranium Scarlet Bedder, 3-in. pots, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Carnations. For prices and varieties see advertisement elsewhere in this issue. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations, A. M. Herr, Lancaster, Pa.

Carnations, Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

Stock Plants.

	Per doz.	Per 100.
Chrysolora	\$1.50	\$10.00
Timothy Eaton	.60	3.00
Yellow Eaton	.60	3.00
H. W. Chadwick	.60	3.00
Col. Appleton	.60	3.00
Godfrey's Eclipse	.75	4.00
J. K. Shaw	.60	3.00
Wm. Duckham	.60	3.00
Intensity	.60	3.00
Beatrice May	.75	4.00
Donatello	1.00	6.00
F. E. Nash	.75	4.00
Pres. Taft	.60	3.00
F. S. Vallis	.75	4.00
Mrs. C. J. Neil	.75	4.00
Wells Late Pink	.75	4.00
Pres. Roosevelt	.75	4.00
A. J. Balfour	.75	4.00
Mayor Weaver	.75	4.00
Maj. Bonaffon	.60	3.00
White Bonaffon	.60	3.00
Mrs. H. W. Robinson	.60	3.00

LA CROSSE FLORAL CO.

LA CROSSE,

WIS.

Chrysanthemum stock plants, Josephine, good early yellow; all over when Bonaffon comes, \$7 per 100. Major Bonaffon, best late yellow. Polly Rose, best early white. Advance, \$2.50 per 100. Diana, best white pompon, \$4 per 100; will sell 10 at 100 rate. Cash. C. L. Humphrey, Zanesville, O.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

STOCK CHRYSANTEMUMS—Crocus, \$1.50 per doz.; \$9 per 100. White and Yellow Chadwick, White and Yellow Jones, White and Yellow Bonaffon, Golden Wedding, Touset and Halliday, \$4 per 100. Otto J. Hembreker, Lincoln, Ill.

Chrysanthemums, stock plants, Smith's Advance, \$3.50 per 100; Golden Glow, \$3.50 per 100; White Chadwick Improved, \$5 per 100; Yellow Bonaffon, \$3.50 per 100. Benjamin Avenue Nursery, Grand Rapids, Mich.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis, W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus, A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, 4-in., \$2 per doz.; 5-in., \$4; 6-in., \$6. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen in bloom, 50c to \$1.25 each. Poehlmann Bros. Co., Morton Grove, Ill.

DAISIES.

Daisies, Sanderl, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Daisy Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaenas, Brumanti, Lindeni, Massangeana, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena fragrans, 3-in., \$1.50 per doz. Indivisa, 2-in., \$3 per 100; 3-in., \$5 per 100; 4-in., \$10; 5-in., \$20. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2-in., \$3 per 100; 3-in., \$6; 4-in., \$1.50 per doz.; 5-in., \$3 per doz.; 6-in., \$9 per doz.; 7-in., \$12 per doz.; 10-in., baskets, \$12 per doz. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

BOSTON FERNS, 4-in. pot-grown plants, 15c; out of bench ready for 5-in., 12½c; 2½-in. pot plants, 2½c. Cash. C. L. Humphrey, Zanesville, O.

Assorted ferns, Cyrtomium Fal., Aspidium Tenn., Pteris Serulata, etc., \$3 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns, For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston, For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Cibotium Schiedel, 6-8-in., \$1.50, \$2 and \$2.50 each. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns, For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, \$3 per 100; \$25 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns, For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Adiantum Croweannum, 3-in., \$7.50 per 100; \$70 per 1,000. Erie Floral Co., Erie, Pa.

Boston ferns, 25c; Whitmanl, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

Ferns, Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus pandurata, 7-8-in., \$2.50 and \$3.50. Elastica, 4-in., 25c each; 5-in., 35c each; 7-in., branching, 75c to \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft. high, \$4.50 each. Rubber plants, 6-in., 50c to 75c each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

Geraniums, 2-in., Roseleur, Nutt, Dagata, Ricard, Red Wing, Viand, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poitevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Geraniums, For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons' Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens, evergreen wreathing, for prices see advertisement elsewhere in this issue. Bulk bouquet green, XXX holly, boxwood, laurel wreathing, holly and evergreen wreaths, mistletoe and immortelles. Vaughan's Seed Store, Chicago and New York.

Greens, wreaths, holly, bouquet green, green moss wreaths, magnolia plain and with ruscus and statice, boxwood, ruscus and oak leaves. Green roping and blankets for cemetery decorations. Geo. A. Kuhl, Pekin, Ill.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Sphagnum moss, Vaughan's Seed Store, Chicago and New York.

Greens, For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala. Smilax, 2½-in., \$2 per 100. James Vicks' Sons, Rochester, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

Hydrangea Otakun, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Rudolph & McClements, Pittsburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 3 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Souv. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangeas Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangeas for forcing 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½, 6 and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVIES.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips, Berlin and Hamburg, \$10 per 1,000, (in 1,000 and 3,000 cases). J. M. Thorburn Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

First-class fruit trees. Samuel Fraser, Box D, Geneseo, N. Y.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock. Lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c; 6-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 6-in., \$1 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentias, Belmoreana and Forsteriana. Phoenix, Canariensis and Roebeleni. Write for prices. Vaughan's Seed Store, Chicago and New York.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. Areca lutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. Areca lutescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums. Mrs. Loyal, 2½-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

Poinsettias. 3-in. pots, 15c each; 4-in., 25c; 5-in. pans, 35c; 6-in., 3 to 4 in a pan, 50c; 7-in., 75c; 8-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Poinsettias, pans. 50c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Poinsettias, 4-in., 20c to 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

PRIMULAS.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula malacoides, 2½-in., 75c per doz.; \$4 per 100; 3-in., \$1 per doz.; \$7 per 100. Vaughan's Seed Store, Chicago and New York.

Primula Chinensis, 4-in., \$1.50 per doz.; 5-in., \$2. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primroses, 5-in., \$2.50 per dozen. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER PRIVET.—The hardiest privet grown, 12 to 18 inch, \$2 per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$2.50 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natlick, Mass.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blanches, Hermosa, White Cochet, Anna Muller, Ping Cochet, White La France, Clothilde Soupert, Mme. Abel Chatnay, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now: will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Rose Lady Hillingdon, 2½-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses, The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses, W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Dehaiffe & Son, Carignan, France.

Seeds, garden and flower. S. D. Woodruff & Sons, S2-84 Dey St., New York.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds, sweet peas, also radish and lettuce. S. Bryson Ayers, Independence, Mo.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Branlan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$1 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillum, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 80c per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, field plants cut back, \$5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, field-grown, California, \$4 per 100; strong plants, \$3 per 100; \$25 per 1,000. Lady Campbell, No. 1 plants, \$3 per 100; No. 2, \$2 per 100. Chas. Black, Hightstown, N. J.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

GREENHOUSE CONSTRUCTION.

Greenhouse construction, builders of all kinds of greenhouses and conservatories. Plants and sketches submitted on request. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Greenhouse construction, cypress roof material and all greenhouse fittings. Plans and sketches submitted on request. John C. Moninger Co., 902 Blackhawk St., Chicago.

Greenhouse construction of all kinds, and conservatories. Estimates and catalogues on request. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Greenhouse construction, builders of every type of greenhouse, the most modern designs, Hitchings Co., 1170 Broadway, New York.

Greenhouse construction, semi-iron green houses, new truss houses, iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse construction of all kinds. S. Jacobs & Sons, 1361-83 Flushing avenue, Brooklyn, N. Y.

Greenhouse construction and equipment. King Construction Co., N. Tonawanda, N. Y.

Greenhouse construction. W. M. Mailander, Morton Grove, Ill.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

INSECTICIDES.

The K's Insecticide, Fertilizer and Disinfectant Nozzle, with "Fermentizo," \$2. Jos. Kopcsay, So. Bend, Ind.

MATS.

MATS:—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

MISCELLANEOUS.

Siebert's glazing points, 40c per lb.; 7 lbs., \$2.50; 15 lbs., \$5. Randolph & McClements, 5936 Penn Ave., near Highland, East End, Pittsburg, Pa.

Siebert's glazing points, 40c per lb.; 5 lbs., \$1.85; 20 lbs., \$7. Vaughan's Seed Store, Chicago and New York.

Greenhouse glass, single and double. Baur Window Glass Co., Eaton, Ind.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Coal, hard coal, chestnut, pea and buckwheat, No. 1, No. 2, No. 3. G. R. Clark, 124 Washington Ave., Scranton, Pa.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A., New York.

Tree tubs and brass hoop jardinières. The American Woodenware Mfg. Co., Toledo, Ohio, U. S. A.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Seed packets and bag filling machines. The Brown Bag Filling Machine Co., Fitchburg, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York; Jas. W. Erringer, western sales agent, 20 E. Randolph St., Chicago.

Glass, Sharp. Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

Florists' red pots. The Peters & Reed Pottery Co., South Zanesville, Ohio.

Those red pots, standards. Detroit Flower Pot Mfg., 490 Howard St., Detroit, Mich.

Neponset paper pots. Vaughan's Seed Store, Chicago and New York.

Red pots, all sizes. Geo. Keller & Son, 2214-22 Herndon St., Chicago.

Pots, all sizes. Syracuse Pottery Co., Syracuse, N. Y.

Standard flower pots. A. F. Kohn, 2034-38 Leavitt St., Chicago.

GREENHOUSES
MATERIAL FURNISHED
AND
MEN TO SUPERINTEND
ERECTION IF DESIRED.
CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER.
THE STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

REFRIGERATORS.

Florists' refrigerators. Buchbinder Bros., 519 Milwaukee Ave., Chicago.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 10., 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

WHOLESALE CUT FLOWERS.

Albany Cut Flower Exchange, Albany, N. Y.
Ameling Co., E. C., Chicago.
Angermueller, Geo. H., St. Louis, Mo.
Bassett & Washburn, Chicago.
Batavia Greenhouse Co., Chicago.
Berger Bros., Philadelphia, Pa.
Berning, H. G., St. Louis, Mo.
Budlong, J. A., Chicago.
Chicago Carnation Co., Chicago.
Chicago Flower Growers' Ass'n., Chicago.
Critebell, C. E., Cincinnati, O.
Deamud Co., J. B., Chicago.
Domoto Bros., San Francisco, Calif.
Freres, D. E., Chicago.
Froment, H. E., New York.
Guttman, Alexander J., Inc., New York.
Hart, Geo. B., Rochester, N. Y.
Hoerber Bros., Chicago.
Hoffmeister Floral Co., Cincinnati, O.
Holton & Hunkel Co., Milwaukee, Wis.
Hunt, E. H., Chicago.
Kasting Co., Wm. F., Buffalo, N. Y.
Kennicott Bros. Co., Chicago.
Kessler, Wm. A., New York.
Kessler, Philip F., New York.
Kruchten, John, Chicago.
Kuehn, C. A., St. Louis, Mo.
Kyle & Foerster, Chicago.
Leakes & Co., New York.
McCallum Co., Pittsburg, Pa., and Cleveland, O.
McCullough's Sons Co., J. M., Cincinnati, O.
McKellar, Chas. W., Chicago.
Meconi, Paul, New York.
Montreal Floral Exchange, Ltd., Montreal, P. Q.
Moore, Hentz & Nash, New York.
Munk Floral Co., Columbus, O.
N. Y. Cut Flower Exchange, New York.
Niessen Co., The Leo, Philadelphia, Pa.
Randall Co., A. L., Chicago.
Reinberg, Geo., Chicago.
Reinberg, Peter, Chicago.
Rice Bros., Minneapolis, Minn.
Rusch & Co., Gust, Milwaukee, Wis.
Pennock-Meehan Co., S. S., Philadelphia.
Percy Jones, Chicago.
Pittsburg Cut Flower Co., Pittsburg, Pa.
Poehlmann Bros. Co., Chicago.
Pollworth Co., C. C., Milwaukee, Wis.
Reid, Edward, Philadelphia, Pa.
Sheridan, W. F., New York.
Siebrecht & Siebrecht, Inc., New York.
Smith, Wm. C., St. Louis, Mo.
The Mac Nitt Horticultural Co., New York.
Thompson Carnation Co., J. D., Joliet, Ill.
Tonner, O. A., Chicago.
Totty, Chas. H., Madison, N. J.
Welland & Risch, Chicago.
Welsh Bros., Boston, Mass.
Wieler Bros., Chicago.
Winder Wholesale Floral Co., St. Louis.
Wittbold, H., Chicago.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Another Irondequoit Grower Heard From.

"I DESIRE to express my entire satisfaction with the greenhouse you just completed for me.

"I consider it the most perfect in every way of any I have seen.

"Want especially to thank you for promptness and the many courtesies extended."

C. H. Metcalfe.

Irondequoit, N. Y.

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Building

Philadelphia
Franklin Bank Building

Boston
Tremont Building

Chicago
Rookery Building

Rochester
Granite Building.

FACTORIES:

Irrington, N. Y.
Des Plaines, Ill

Preserve Cut Flowers in BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.
518 Milwaukee Ave., CHICAGO, ILL.

GLASS

We are leaders. Large stock, good prices.
SHARP, PARTRIDGE & CO.
CHICAGO, ILLINOIS

THE JOHNSTON GLASS CO.
Hartford City, Ind.
Bent Glass
Ground Glass

Mention the American Florist when writing

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use
by Florists, etc. The cost of
heating is only **TWO CENTS**
for **TWELVE HOURS CONTIN-**
UOUS HEAT.

Send for descriptive circular to



LEHMAN BROS., JAS. W. ERRINGER,
MANUFACTURERS, General Western Sales Agent,
10 Bond St., NEW YORK. 20 E. Randolph St., CHICAGO

Mention the American Florist when writing

COAL. COAL. COAL. Hard Coal!

I am able to supply the following sizes
of coal to florists in most any locality:

Chestnut, Pea and Buckwheat,
No. 1, No. 2 and No. 3.

Communicate with me, if in need.

G. R. CLARK,
124 Washington Ave., SCRANTON, PA.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO
Phone 2496 Monroe

Aphine

*The Insecticide that
kills plant Lice
of every species.*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and
bench fungi. Unlike Bordeaux and lime, and
sulphur it does not stain the foliage, but
cleanses it.

75¢ per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,

3503 Shields Ave.

CHICAGO

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place,

CHICAGO

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaran-
teed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

YOU'LL find **Wizard Brand** Manure mighty con-
venient and valuable to you during the next few
months.

Bad weather makes the rough manure pile a nasty as
well as expensive source to depend on.

Wizard Brand Sheep or Cattle Manure, pulverized
or shredded, in 100 lb. bags, takes but little
room in your store house and you are pre-
pared for any emergency or need.



Think it over. Get your order in right away
and be on the safe side. Specify **Wizard Brand** to
your supply house, or we ship direct promptly.

The Pulverized Manure Company
32 Union Stock Yards, Chicago

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure

Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities; liberal terms to retailers. Write
for our special offer to the American trade. Agents' cir-
culars, pamphlets, etc. to sole makers. **Write for prices, etc.**

Wm. Thomson & Sons, Ltd., **Tweed Vineyards,**
Clovenstone, Scotland.



WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

"SUPERIOR"

HOT WATER BOILERS
For Greenhouse Heating.

Made in 9 Sizes.

**Superior Machine
and Boiler Works.**

846-848 W. Superior St.,
Chicago, Ill.

**The
Fumigating
Kind
Tobacco
Powder**

**A
Success
for
30 Years**

**Kills
Aphis
\$3.00
The 100 lb.
Bag**

The H. A. Stoothoff, Co.
Mount Vernon, N.Y.

Mention the American Florist when writing

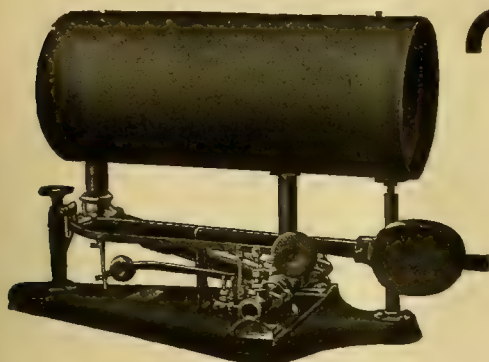
A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

— Send For Prices —

404-412 East 34th St. NEW YORK.

Mention the American Florist when writing



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches; diameter of bowl, 22 inches; size of base, 14 inches; capacity of reservoir, 1½ gallons; weight, 81 pounds. Order No. 4C12003, without arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete Greenhouse Heating Systems. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress Cedar Posts, Dropsiding and Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral Ave. and C. & N. W. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelities, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

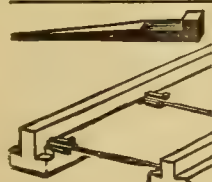
Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J

Mention the American Florist when writing



**Siebert's Zinc
Glazing Points.**
Good for small or large glass, do not rust, easy to drive ¾ and 1 inch Per lb. 40c. 5-lbs. \$1.85. 20-lbs. \$7.00
Vaughan's Seed Store
Chicago. New York.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.
HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

Mention the American Florist when writing

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ¾ and 1 inch. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn. Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

The Early Advertisement Gets There

1913.

Our best wishes to our friends and customers
for a successful and prosperous New Year

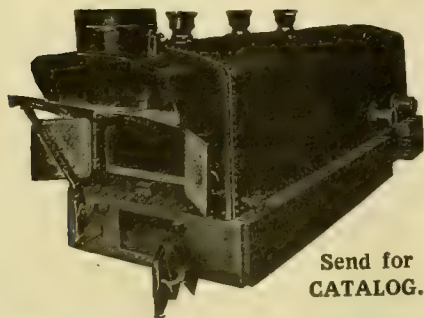
We thank you for the liberal patronage during the past year and invite your inquiries for estimates and sketches for your proposed new additions. We are well prepared for the new season's business and believe it will be to your interest to get our prices before placing your orders. We can supply you with up-to-date and lasting houses with which you will be pleased and satisfied, and which at the same time will be of only a moderate cost, so as to give the best returns for the investment.

A. DIETSCH CO., 2642 Sheffield Avenue, CHICAGO.

Louisiana Cypress and Washington Red Cedar Greenhouse
Material, Hotbed Sash, Greenhouse Hardware, and Posts.

The KROESCHELL BOILER

Was installed to heat over ten million (10,788,000) square feet of glass during the past five years.



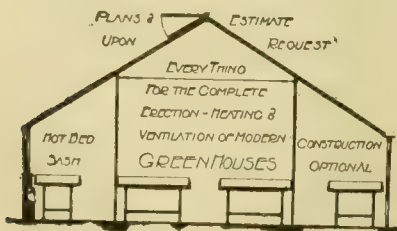
Send for
CATALOG.

The Kroeschell Boiler

Will give you more heat with the same piping required by other boilers, and with less fuel.

Kroeschell Bros Co.,

452 W. Erie Street,
CHICAGO.



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.,
Sam plefrec. For sale by dealers.

ADVANCE VENTILATING APPARATUS.

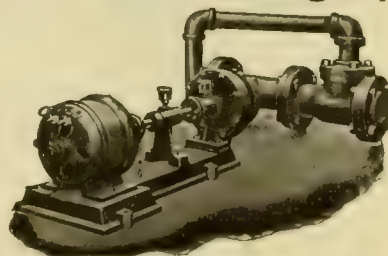


Our new catalog is now out and ready for distribution. It contains illustrations and description of our line of Ventilating Apparatus and Greenhouse fittings. Pipe carriers, split tees, Y fittings, column brackets, gutter brackets, shelf brackets, etc. Send for one of these catalogs.

Our equipment has never failed to give entire satisfaction, and the prices in the catalog will surprise you.

Advance Co., Richmond, Ind.

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S.W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS



Split Carnations Easily Mended with

Pillsbury Carnation Staple

We find it very satisfactory.

J. L. DILLON.

Can't get along without them.

J. L. JOHNSON.

2000 for \$1.00 postpaid.

I. L. PILLSBURY,

Galesburg, Ill.

PRINTING

Letterheads, Envelopes, Billheads, Statements,
Cards and Special Shipping Labels,
also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO

KING = IRON FRAME GREENHOUSES



THE PITTSBURG CUT FLOWER CO. near PITTSBURG

Both Satisfied—that is, Mr. Fred Burki and King Construction Co.

We Would Like to Satisfy You Too.

KING CONSTRUCTION CO.

HOME OFFICE AND WORKS
N. Tonawanda, N. Y.

NEW ENGLAND SALES OFFICE
7 Water Street, Boston

It Costs Money

to repair wooden benches.

Why not build

Garland Sectional Concrete Benches

They are most efficient, staple and
Never require repairs.

Write for circular.

The Geo. M. Garland Co.
Main Office: Des Plaines, Ill.

Branch Offices:

Means & Thacher, 6 and 8 Custom House St.,
Boston, Mass.
C. C. Shafer, 215 W. 14th St., Los Angeles, Cal.
S. A. Jamieson, Minneapolis, Minn.

Boilers OF HIGH GRADE. For GREENHOUSES

Steam and
Hot Water

See Our Catalogue.

GIBLIN & CO., Utica, N. Y.



A Greenhouse Layout With A Reason



This is the U-Bar,
the bar that makes
U-Bar Greenhouses
the Famous Green-
houses They Are.

Compactness was desired—the height of productiveness was required. Attractive it must be. Economical to heat and work were things the gardener insisted on. The U-Bar plan, design and construction won out because it stood the test of all the requirements. The reason—the main reason—is the U-Bar—the Bar that makes the U-Bar greenhouses the famous greenhouses they are. No other curved eave house has the U-Bar, so don't be misled by houses that look like the U-Bar. Send for catalog. It gives another view and a plan of this particular house.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK.
CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

ARE YOU USING THIS "RED DEVIL" GLASS CUTTER?



"Red Devil" Glass Cutter No. 024.

WE have given away free to all the alert florists who applied one of these "Red Devil" Glass Cutters. A good many thousand florists are now using it to cut their greenhouse glass. If you are not using Genuine "Red Devil" Glass Cutters, you are not using the best, the kind all glaziers use. Ask any hardware dealer for "Red Devil" Glass Cutters. They all sell them. Send us 3 2c stamps and one sample only will be sent you postpaid.

SMITH & HEMENWAY CO., 150-152 Chambers Street, New York City, N. Y.
Makers of "Red Devil" Glass Cutters and 3000 Other "Red Devil" Tools.

FOR "POT LUCK" TRY US..

HEWS STANDARD POTS

POT MAKERS FOR 140 YEARS
WORLD'S LARGEST MANUFACTURERS

WRITE FOR CATALOG AND DISCOUNTS.

A. H. HEWS & CO.

Pearson Street LONG ISLAND CITY, N. Y.

Established 1765

CAMBRIDGE, MASS



1000 Ready Packed Crates Standard Flower Pots and Bulb Pans

Can be shipped at an hour's notice. Price per crate:

2000 1 3/4 in., crate, \$6.00	456 4 1/2 in., crate, \$5.24
1500 2 " " 4.88	320 5 " " 4.51
1500 2 1/2 " " 5.25	210 5 1/2 " " 3.78
1500 3 " " 6.00	144 6 " " 3.16
1000 3 " " 5.00	120 7 " " 4.20
800 3 1/2 " " 5.80	60 8 " " 3.00
500 4 " " 4.50	

Hilfinger Bros. Pottery, Fort Edwards, N. Y.

 August Rolker & Sons, 31 Barclay St.,
New York City Agents.

Our Specialty: Long Distance and Export trade.

Mention the American Florist when writing

Those Red Pots

"STANDARDS"

 Full size and wide bottoms,
BULB PANS and AZALEA POTS

DETROIT FLOWER POT M'F'Y

 HARRY BALSLEY,
Rep.

 Detroit, Mich.
490 Howard St.


Standard Flower Pots

 Porosity and Strength
Unsurpassed.

Write for prices.

A. F. KOHR

2934-36-38 Leavitt St.,

CHICAGO



GEO. KELLER & SON,

Manufacturers of

Red Pots

Before buying write for prices.

 2614-2622 Herndon St.,
CHICAGO


NEPONSET

Flower and Vegetable Waterproof

Paper Pots

**Vaughan's Seed Store, Agents,
CHICAGO and NEW YORK.**

 Waterproof,
Don't Break,
Cost Little

Shippers may use them and save their customers many dollars in express charges.

Mention the American Florist when writing



All Kinds. FLORISTS' RED POTS All Sizes.

Just the kind you want on your benches. You can't beat them in any way.

 Ask about our new line of **MOSS AZTEC WARE**, consisting of
Jardinieres, Fern Pans, Vases, etc. It's the hit of the season.

The Peters & Reed Pottery Co., South Zanesville, Ohio

Mention the American Florist when writing


 Write for Catalogue,
**Tree Tubs and Brass
Hoop Jardinieres.**

 The extension stave foot
prevents the bottom from
rotting. No chance for
water to collect and rot
the staves or floor.

**The American Wooden-
ware Mfg. Co.,**
Toledo, Ohio, U. S. A.

—BURNED CLAY—
TILE BENCHES and TILE BOTTOMS
Give results. Three styles of benches, including
Iron Pipe Frame, with Tile Bottoms and Sides.
Write for descriptive circular and delivered
prices. Any size benches.

TILE SIDES.
THE CAMP CONDUIT CO.,
Garfield Bldg., Cleveland, O.

Kramer's Pot Hangers

 For sale by Wholesale Seedsmen, Florists
and Supply Dealers.

 Price, \$1.00 per dozen by express. Sample
dozen by mail, \$1.25.

I. N. KRAMER & SON, Cedar Rapids, Ia.

Mention the American Florist when writing

 ALL Nurserymen, Seedsmen and Florists wishing
to do business with Europe should send for the

"Horticultural Advertiser"

 This is the British Trade Paper, being read weekly
by all the horticultural trade; it is also taken by
over 1000 of the best continental houses. Annual
subscription, to cover cost of postage, 75c.

 As the H. A. is a purely trade medium, appli-
cants should, with the subscription, send a copy of
their catalog or other evidence that they belong to
the nursery or seed trade.

Money orders payable at Lowdham, Notts.

 Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

CHERRY RED Standard Flower Pots



Write us for prices.

 We will furnish you the
best quality cherry red
pot at a price that will
save you money. Try
us and satisfy yourself.

The Mt. Gilead Pottery Co.,

Mt. Gilead, Ohio.

Mention the American Florist when writing



DREER'S Florist Specialties.

 New Brand New Style.
Hose "RIVERTON"
Furnished in lengths up
to 500 ft. without seam or
joint.

The HOSE for the FLORIST

3/4-inch,	per ft.,	15 c.
Reel of 500 ft.,	"	14 1/2 c.
2 Reels, 1000 ft.,	"	14 c.
3/4-inch,	"	13 c.
Reels, 500 ft.,	"	12 1/2 c.

 Couplings furnished.
HENRY A. DREER,
714 Chestnut St.,
PHILADELPHIA, PA.


Wagner Plant Boxes

 are the best and cheapest in the
market for palms, boxwood, bay
trees, etc. They are attractive in
design, strong and durable suit-
able for either indoor or outdoor
use. Made of cypress which
gives them a lasting quality.
We manufacture various styles
and sizes. Write for prices.

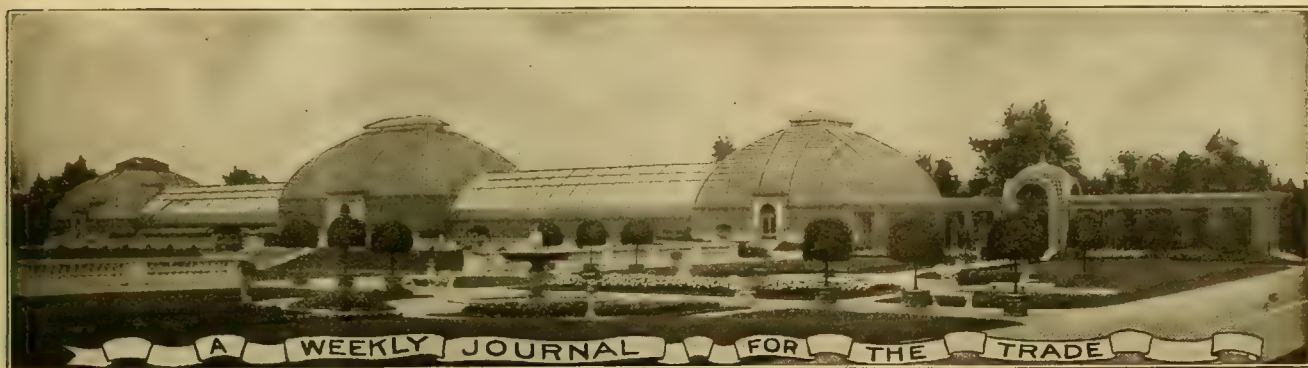
Wagner Park Conservatories.

Sidney Ohio



THE CREPE SPRAY.

THE AMERICAN FLORIST



America is "the Prow of the Lessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, JANUARY 4, 1913.

No. 1283

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address; Ameflo, Chicago.

Subscription. United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — J. K. M. L. FAROUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Madi-
son, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

**Index to Advertisers,
Page 1420**

**Ready Reference Advt.,
Page 1421**

**Help and Situations Wanted,
Advertisements,
Page 1385**

SUGGESTIONS FOR PLANT GROWERS.

Cleaning Up After Christmas.

The Christmas sales will give the plantsman an opportunity to give the houses a thorough overhauling and begin preparations for the Easter stock, and also more room for the plants that are to produce flowers during the winter. The probabilities are that the best plants have been disposed of, and the demand for the balance will slacken up considerably for the next two or three weeks. Any plants that will not be salable in the middle of the next month especially if they are not of the best quality, had better be thrown away, and not allowed to remain taking up valuable space for a month or more, only to be discarded later. The stock plants should all be selected and preparations for next season's propagation begun. The old favorite *Begonia incarnata* is still grown by many. The old plants never make good stock for another year, so select enough to produce all the stock wanted, and discard the balance. It will be busy times where many plants are grown, but the quicker and earlier the work is done the better will be the resultant crops. The bulb stock is now ready to be brought in and all the room should be immediately filled up with stock that can be grown into plants that will find ready sale. It sometimes takes courage to throw away plants that look as if they would bring in something, but it is far better to do this, even if a plant is thrown out that might be sold, than to carry along a lot of stock that never turns in a cent to the money drawer.

Poinsettias.

This is a Christmas plant pure and simple. It is to the midwinter holidays what the lily is to Easter and the sale of plants or flowers after the new year is very small and hardly remunerative. The plants that are left should at once be treated for stock plants. It is the custom of some growers to immediately place the pots under a bench and water them no longer. It is much better, however, to block them up closely in a warm house and gradually dry them off until the

wood ripens and then store them away where they will be kept dry. When the plants are treated by the former method the green wood often dies down more than half the length, but by a slower ripening off many more and much better cuttings can be obtained. They can be laid down on their sides under a carnation bench where they will not receive any water or if the pots are needed they can be heeled-in in such a location, and here they can remain until April when they should be started for propagation, using either the old growth or starting the plants into growth and making the cuttings from the young shoots as they break from the old wood. With these it is better to make the cuttings with a heel and in a warm location they root quite easily.

Tulips and Narcissi.

The Dutch bulbs are now in condition to bring into the houses, for they should be well rooted, and will force readily, and from the first of the year on the grower should regulate the culture of these so that there will be a continuous supply. The best way to accomplish this is to have one day in the week which is bulb day, that is, on this day the succeeding lots will be brought from where they are stored and placed in the greenhouses. The demand will, of course, fluctuate to some extent, but by looking back two or three years it will be found that the call for this stock is about in the same proportion every year, and a basis on which to figure about how many pots or boxes should be brought up can be obtained. If it is found that the stock is accumulating at any time those that are not quite in bloom can be removed to a cooler house and retarded, and those that are almost in bloom, if moved into a shed where it is dark and quite cool, will last in splendid condition for a week or ten days longer. For the present it will be necessary to put the pans and pots in a shaded position in order to get the proper length of stem. Those forced early if allowed to stand in a warm house in full sunlight, will open their flowers before they have at-

tained good height, so it is well to place them under a bench or provide a place where they can be kept rather dark for a week. In cutting the flowers endeavor to cut them from the pans or boxes that have been in the houses the longest. A thoughtless man will cut into a box that is just opening and which would be good for a week or more, when there are plenty that could be cut that will not last nearly so long. There is always a great waste in growing bulbs and everything that is possible should be done to prevent it. On bulb day when the fresh lot is put on the bench those that were brought up three or four weeks before and are in full flower will be ready to be thrown out. Any flowers that may be on these boxes, if they are well in bloom, should be cut and placed in water. They will last much longer if cut and kept cool than they will if left on the bulbs in the greenhouses.

Fuchsias.

It is a good time now to start the old stock plants of fuchsias, for there is plenty of room in the propagating bench and it is the early struck cuttings that make the fine plants for vases and boxes, and if cuttings are taken in spring they immediately produce a flower and it is difficult to get a good growth, the plant often remaining short with a stunted appearance yet bearing flowers. If the old plants have been thoroughly ripened, shake the soil off and pot in a good new loam, cut back the wood and place them in a warm house and syringe plentifully. The young growths will shortly appear and should be made into cuttings as soon as they have attained a length of an inch and a half or two inches. As soon as rooted pot in 2-inch pots and give the young stock a warm temperature. When growth commences the top can be taken off and another cutting made, and the plants shifted to 3-inch pots. Another stopping will be necessary in late winter to make nice, bushy plants that will be full of bloom in early spring. Keep them clean from mealy bug by constant spraying.

Vinca Rosea.

A plant that is often lost sight of by many for summer bedding is Vinca rosea, and it makes a most beautiful plant, being covered with flowers all through the summer until frost. The great cause of there not being much stock of these is that the seed is not sown early enough. December or early January is the time to plant the seeds of these plants to have them in fine shape for bedding out in June. Plants started early and grown in a warm house will be in flower at the time of planting and continue a mass of bloom throughout the season. The seed should be sown in flats which should be placed in a house having a temperature 65° to 70°. When the second leaf forms they should be pricked out into other flats about an inch apart and when they have five or six leaves potted in 2-inch pots, later being shifted into the 3-inch size. The soil should be of a sandy nature both in the potting and in the bed, if possible, but they will grow well outside in a heavy loam. They can be had in white, rose pink and pink with white eye, and come very true to color from seed.

NASHVILLE, MISS.—John Means has erected a greenhouse and will grow both flowers and vegetables.



AUGUST POEHLMANN, CHICAGO.

Director of the S. A. F. Appointed by President Farquhar.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Flower Girl's Basket.

SEE SUPPLEMENT WITH THIS ISSUE.

At many fashionable weddings of the present time the bride is accompanied with one or more flower girls, generally a young relative of one of the contracting parties, who carries a basket of flowers. The girl is invariably very young and the basket must, accordingly, be small. The basket which we illustrate was gilded and composed of sweet peas and fronds of Whitmanii ferns, tied with a yellow ribbon and sparkling chiffon. The ribbons were so arranged that the basket was hung from the shoulder, the bows on the shoulder being fastened by a gold safety pin. This is often necessary, the child being so young and small that to carry even the smallest basket and hold it through the ceremony would be burdensome and some neat arrangement must be made which will obviate the necessity of the child carrying it in the hand. This basket is a fitting and artistic arrangement for the purpose intended. Owing to the size of the child the basket must of necessity be of small size and the flowers used in the arrangement must consequently be of the smaller flowers of the season. A very pretty feature of the wedding ceremony sometimes carried out is to have the flower girl's

basket so arranged that with flowers on the outside edge the center is filled with rose petals, and the girl walking ahead of the bride in her course to the altar and return distributes these on the floor so that the bride traverses a path of roses to and from the ceremony.

Christmas in New York Stores.

M. A. Bowe, as usual, had an excellent stock of plants, ericas being very prominent. Every feature of his store was attractive as was shown by his heavy business.

An attractive new store was opened a short time before Christmas at 2840 Broadway. It bears the name of the Cathedral Floral Co.

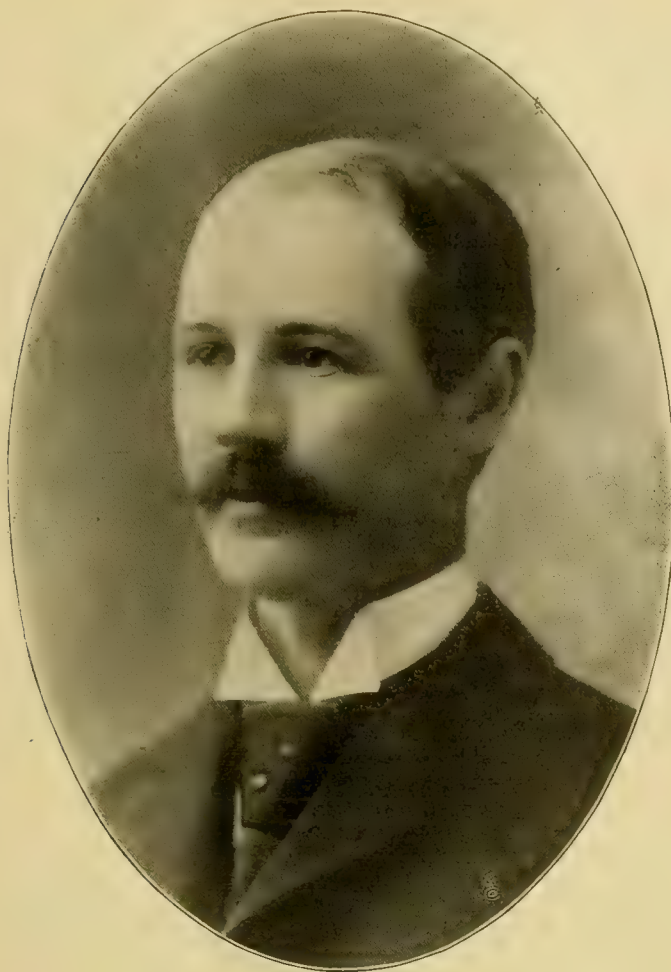
D. J. Pappas, 2751 Broadway, who has been in business for 15 years, had fine stock and did a good business.

At Hartman's Rosary the window display was exceptionally fine. The stock of plants was excellent and business was good.

The Boulevard Floral Co., 2391 Broadway, of which Peter Theopse is the moving spirit, was well stocked with plants and flowers and their big auto-delivery was kept busy.

Lappos Brothers, 2517 Broadway, have in the past established quite a reputation as retailers and their work this season was equal to their past record. They had a good stock and good business.

George Vlachos, the Astoria Florist, has a fine location directly opposite



THOS. ROLAND, NAHANT, MASS.

Director of the S. A. F. Appointed by President Farquhar.

the Astor flats on Broadway. In the management of the business he is ably assisted by his wife. His store was well stocked and attractive.

One of the largest and best stock of plants seen anywhere, was at the store of John S. Nicholas, Forty-second street, near Madison avenue. As one of the pioneers in the business, Mr. Nicholas is entitled to more than passing mention. He has valuable real estate holdings in different parts of the city.

Herman Kuhn, 896 Sixth avenue, who has fine facilities for the display of stock had a particularly fine stock of ericas and a full line of all other seasonable plants. Business was good at his store for a week before Christmas and he and his staff were kept very busy.

A. Ehman, 2112 Broadway, had a very excellent stock of the best plants and reports a good trade.

Charles Brown's store, Broadway and Eighty-sixth street is always a very attractive feature of that section of the city. For this Christmas its offerings were grand and were well appreciated by the buyers.

Ralph Armstrong's new store at Madison avenue and Forty-seventh street was very attractive. Though he has but recently located there, Mr. Armstrong is fast building up a good business. He is a thoroughly experienced business man and an excellent designer and decorator.

Madison avenue is now noted for its good retail stores and among them

A. L. Bunyard's is well worthy of mention. He is a tasteful and intelligent decorator and draws a good trade.

In line with their established reputation as successful florists, the store of the Warendorfs in the Ansonia Hotel took on a more than usually attractive appearance for Christmas, and it is always attractive. Herman Warendorf is a shrewd and successful buyer and his selections always show taste and good judgment. Their Madison avenue store, "overflowed" and a nearby storeroom was secured and filled with fine plants.

Gottlieb Myer of Madison avenue and Fifty-eighth street was kept very busy between his main store and his concession in the Plaza Hotel, where he is constantly doing fine work. At both places Christmas business was good.

Christatos & Koster of 717 Madison avenue, in addition to their Christmas business have recently done fine work in wedding decorations. They are noted for their fine effects in wedding bouquets.

Young & Nugent, who have one store in the wholesale district of Twenty-eighth street and another on Madison avenue, had exceptionally fine stock and a very busy Christmas.

ALHAMBRA, CALIF.—This place will take part in the "tournament of roses" at Pasadena, New Year's day. Decorated automobiles will be entered.

THE ROSE.

Grafting.

By the first week of January or a week later, the grafting should be started if the best results are to be obtained. We have found that much better strikes can be had from January 1 to February 15 than after the latter date. One reason for this is that during the coldest days or the darkest days a steadier temperature can be easier maintained in the grafting case, and another reason also is that after the middle of February the sun is much stronger, and heavy shading may be required and too much air used when ventilating in order to keep the temperature right for the grafts in and out of the case.

So to take advantage of the heavy daily firing and for the reasons stated above, it would be best to get started. As we suggested in our last article in *THE AMERICAN FLORIST*, the manetti should be allowed to start at the roots at a temperature not exceeding 50 degrees. If by examining the roots they show the little white feeders, and by cutting off the stem of the stock an inch above the pot, there is noticed nice fresh wood and a quick flow of sap, the stocks are then in prime shape to work. The grafting case should have all the overhead light possible, but no sun should at any time strike the case. The case proper should never be shaded, that is, the glass covering the case should be clear and if any shading must be used let it be well up overhead and out of the way.

The case should be so constructed that after putting in a layer of moss an inch thick at the bottom, covered with as much screened coal ashes, and the sash filled tightly, the temperature should reach 80 degrees or 85 inside the case. The pipes should be inclosed under the case and the ashes inside soaked thoroughly and every crevice that would let any dry heat penetrate the bottom of the case should be stuffed with moss. The regular temperature of the grafting case should be 75 degrees day and night. This temperature should be kept steadily for ten or twelve days or until the graft begins to unite nicely. Then the temperature can be gradually reduced to 70 degrees. This will require a day or two and this is the minimum temperature.

After these grafts are firmly united and the scions have started a growth, one can gradually start to air them.

This will be about the fifteenth day after placing them in the case. Air them all night, using a label or a flat stick and begin by airing $\frac{1}{2}$ of an inch for two or three hours and increase gradually. The sash should not be lifted more than an inch ten days after starting to air, which will give one an idea of how gradually it should be done. If the tops wilt or show the least signs of wilting, close the sash immediately, first spraying the scions with a mist-like spray. It requires about 24 days to have the grafts strong enough to stand taking out of the case. They should be carefully shaded for a few days after setting them out and sprayed frequently to prevent wilting. Keep the house closed also for a few days, and a temperature of 70 degrees at night and 75 to 80 degrees in the daytime.

Select good wood for the scions from flower shoots ripened wood from which a flower has been cut, or all the wood can be used if the flowers are to be sacrificed, which pays better in the long run than to use over-ripe wood or blind wood. The best wood procurable is none too good if one cares to improve their roses every year. Selection means much in any part of plant growing and whether it be seeds from some choice flowers or cuttings, or scions from a fine specimen rose, it means the same, a gradual improvement. The tools and equipment for handling the work comprises good sharp knives, flat agate ware pans for the scions after cutting. Then to shape, good raffia in 10 or 12 inch length divided into strands about $\frac{1}{4}$ inch in width, a large flower jar to place the wood in as soon as it is cut, some handy sized flats and a good roomy place to work, having everything required within easy reach.

Be sure to place each box of grafts immediately into the case as soon as it is filled and spray with a hard bulb sprinkler. The plants should be carefully and evenly watered before placing them into the case. A dry plant means a failure in the case. Graft early and select those varieties that seem to do best grafted. Richmond and the Killarneys do well grafted, or perhaps some of the new ones will. The introducers are in a better position to give this information. At the same time any free growing variety that has a tendency to throw strong canes from the roots or base of plants, like American Beauty will do finely on their own roots.

E.

Florists' Dracenas.

Dracenas adapted for florists' use may be divided into two sections, one of which would include those of the true dracenas that are grown for decorative purposes both indoor and out, while the other section would cover those of the cordylines that are so largely grown as commercial plants, the cordylines section being much the larger of the two. Of the true dracenas one of the oldest in the trade is *D. Draco*, a stiff looking plant with sharp pointed dull green leaves that remind one in a measure of some of the yuccas. This species is readily propagated from seeds, and does not need high temperature to keep in good condition, and may also be used for outdoor decoration during the summer.

The next in order, and of much more importance to the florist, is *Dracena fragrans* and its several varieties, some green leaved, and others beautifully variegated. The original type of *Dracena fragrans* is still quite largely grown, and when properly cared for, is quite a satisfactory plant for decorative purposes, its broad, green leaves, graceful habit and rapid growth being points in its favor, and unless it may be where the plants have been grown too warm, and fed too much with strong fertilizers, this dracena will give good service. Two other forms of *D. fragrans* having green leaves, namely, *D. Knerkil* and *D. Rothiana*, are not uncommon though less widely known than the original species. Two variegated varieties of this species are also grown in quantity, both *D. Massangeana* and *D. Lindenii* being included among the decorative stock of many florists.

Dracena congesta is also a favorite with many growers, from the fact that its foliage is very enduring, and consequently it makes a good house plant. The last named species is rather more hardy than those of the *fragrans* group, and consequently may be grown satisfactorily in a lower temperature.

Dracena Sanderiana and *D. Godseffiana* are both admirable species of moderate growth, the compact habit and silvery variegation of the first making it a first class subject for table ferneries, while the dark green leaves of *D. Godseffiana* are so spotted with creamy yellow as to attract prompt attention. Both these species are readily rooted from cuttings, and grown in a light greenhouse; with a night temperature of 65 degrees and a moist atmosphere, they soon make useful plants.

Another species that may also be grown in quantity without any special difficulty and useful among foliage plants for basket work is *Dracena gracilis*, a free growing plant with narrow leaves and compact habit, its foliage being dark green with a reddish chocolate margin. This last is quite an old plant, though possibly less common than some of those already noted.

Dracena indivisa in its many varieties is one of the most useful mem-

australis, is the one most widely grown, that having plain green leaves with a lighter midrib, but several of the forms with more coloring have been named, and are even more attractive than the type, among the most striking being *D. indivisa Veltchii*, with reddish midribs, and the variety *atropurpurea*, in which a purplish coloring extends for a good part of the foliage. Then there are variegated varieties also, among the most notable being *D. Doucettii*, the latter having foliage striped with white. All of the members of this group are hardy enough to be grown outdoors during the summer, and for the remainder of the year will get along nicely in a temperature of 50 to 55° at night.

Coming now to the cordylines of the terminalis section, we find some of the most attractive warm house foliage plants that are grown in the trade, the plant commonly known as *Dracena terminalis* being, the best example of the group, and handled by thousands in some establishments for the Christmas trade. *Dracena terminalis* is grown from cuttings secured from old canes or stems, such as are imported in quantity from the West Indies and South America each season. These canes are bedded in a mixture of moss and sand in a warm greenhouse, kept moist, and thus caused to start from the numerous



DRACENA LINDENII.

bers of this family, for this plant is so readily grown from seeds, and so easy to cultivate that everyone in the retail trade finds use for it at sometime or other, either in indoor decorations, in baskets or in porch boxes, for vases, or for the centre of a flower bed. The original form of this dracena, or as the botanists now call it, *Cordylina*

eyes that are closely arranged along the stems. The young growths are cut off close to the cane and then rooted in sand, potted off in small pots, and shifted on at such times as are needed to keep them growing on rapidly.

Rich compost of rather open texture is best for dracena growing, good

drainage being an essential, and in bright weather frequent and vigorous syringing is needed to keep the plants free from insects. Red spiders, thrips and mealy bugs are among the most likely insects to cause trouble to the *Dracæna* grower, and strong syringing will do much to keep these under control, and regular spraying with nicofume solution of rather weak proportions will do much to prevent any trouble of this character. Snails are also very troublesome at times, and especially during the summer, but some growers have been able to discourage these pests by spreading some common moth balls among the plants. *Dracæna terminalis* is sometimes troubled with a fungoid disease known as "spot," and this is a difficult thing to remove when well established, but the best preventive treatment is to give a little fire heat early in the autumn in order to keep the plants in a good growing condition, to keep the foliage dry at night, and to avoid extremes of either drouth or wetness at the root.

W. H. TAPLIN.

WITH THE GROWERS

E. G. Hill Co., Richmond, Ind.

One of the most profitable days I ever spent in greenhouses was at the E. G. Hill Co. establishment at Richmond, Ind., Thursday, December 19. I wrote to the firm and told them I was coming on the early train to see their wonderful carnations, of which I had heard so much, and was met at the depot by Joe Hill in his auto. In a short time we were at their mammoth plant, where we were joined by E. G. Hill himself, who seems to be delighted to show visitors over his establishment.

My attention was first called to the rose houses, which were in the pink of condition for a Christmas cut. Pink and White Killarney were especially good and a good percentage of long stems were in sight for the holidays. Sunburst and Mrs. Ward were also in good cut and of good quality. Lady Hillingdon was also grown. I asked Mr. Hill which, in his judgment, was the best of the three yellows. His answer was that it was a standoff between Sunburst and Ward and that no grower should be without at least one of these varieties. Lady Hillingdon, however, lacked substance. Antoine Rivoire is also grown but was somewhat off crop. The new rose, Mrs. Geo. Sawyer, surely looks like a winner as grown here. Its freedom of growth, handsome foliage and fine color seem to make it a desirable acquisition. A 200-foot bench of American Beauties was in full cut at the right time.

Mr. Hill is strong on seedling roses and No. 1006, a beautiful soft, flesh color shade, with salmon, stood out more conspicuous than any other variety. It is something new in color and very charming. Several new varieties from Europe are being tried out. A few are promising but many were found wanting as good winter bloomers. A few plants of double Richmond were seen, each flower having twice as many petals as the parent variety. Seventy thousand manetti stocks will be used here this year for grafting. Half of this amount was received on the day of my visit.

In this range (which is known as the west side) we saw several houses devoted to carnations for cuttings

only, and a healthier lot of stock could not be found. Those grown in immense quantities are Enchantress, White Enchantress, White Wonder, Beacon, Commodore, Gloriosa, Pink Delight and Mrs. C. W. Ward. A large house of poinsettias, both cut and pot plants, reminded us that Christmas was near. While in Europe Mr. Hill picked up a fine collection of amaryllis and the few that were in bloom proved his good judgment.

The four large houses are filled with the leading varieties of carnations, making a sight I shall never forget. I have seen many good carnation ranges before but this sight without question was beyond my expectations. Such a quantity of blooms and buds one cannot realize unless one sees for one's self. White Perfection filled the farthest bed south on the east side and was indeed fine, but the 4 benches next of White Wonder were truly a



DRACÆNA MANDAIANA.

From this place I was escorted to the new range, just across the street. No doubt it was their desire that I should see the best last. The first thing here that strikes a visitor is the fine 100-foot brick smoke stack which in itself is a work of beauty. On entering the large boiler room we see two 150 h. p. boilers fed by the Swift automatic stoker. Mr. Hill is so well pleased with this stoker that he contemplates installing the same device for all his boilers next season. The steam system as installed here is the most perfect and practical that has ever come to my notice. A vacuum pump is used to suck all the air and water from the return pipes from which it is emptied into a receiver. From this receiver it is pumped into the boilers. Such a thing as cracking of pipes is never heard in this range.

This new plant contains 4 houses, each 40x400 feet, all iron frame without any post save the post to support the gutters. I doubt very much if a lighter, stronger and finer looking range can be seen in this whole country. It is both practical and ornamental. The material for this crystal palace was supplied by the Foley Manufacturing Co., Chicago, and the plans of both the houses and the steam system, I understand, were worked out by young Mr. Hill.

wonder. I remarked that Mr. Dorner did not make a mistake when he named this variety.

A number of benches of Gloriosa were seen producing stems over 2 feet long. Mr. Hill thinks well of Pink Delight and will grow more of this fine sort next year. Mrs. C. W. Ward is also thought well of here. Commodore, the finest new seedling red, is in the pink of condition. This variety is the finest color in red grown here and is a free and continuous bloomer. It is not a cropper. A small quantity of St. Nicholas is grown, the largest red on the place. The most gorgeous sight in this range to me were several benches of Beacon. Every plant was simply loaded with blooms and buds. The largest cut from this variety was in about January 1, although a very heavy cut was in for Christmas.

It would surely do Peter Fisher good to see the Pink and White Enchantress in this range. It was hard to figure which of the 3 sorts had the most buds—Beacon, Enchantress or White Enchantress. I wish every carnation grower in America could see this range. It would make us all brace up and try to come as near as possible to Mr. Hill's perfect system of flower culture.

Mr. Hill told me that all of the stock was started early. About one-

half was grown on into 5-inch pots and planted the last of June. The other half was planted from the field, good, strong plants, the first week in July. I understand everything was planted by the middle of July. They paid \$100 an acre for soil and hauled it 2 miles. Looks like an expensive undertaking but judging the results it surely paid. The only advantage gained from planting carnations from pots is an early crop. Many of the plants here look better from field grown than pot planted stock.

W. W. COLES.

Montgomery Rose Co., Hadley, Mass.

Along with a small party of growers on Saturday, December 14, we took a trip to the Montgomery Rose Co.'s establishment at Hadley, Mass. We were somewhat disappointed on the way up as to the nature of the country passed through. The Massachusetts Central Railroad runs through a tract that may be termed picturesque in summer, but at present it is the most wild, uninviting trip anyone could take. Rocks, woods, swamp and waste land till Amherst was reached, thence by trolley to the greenhouses. We wondered on the way up what the company's idea was in locating in such a country, but when we arrived at the greenhouses we readily found the reason. One word fits, and that is "soil," and this firm has fifty-two acres of it here.

The greenhouses are situated on a bleak plain where the wind whistles and blows in all its fury, reaching at times this year 83 miles an hour. The place at present consists of 100,000 feet of glass all devoted to rose culture. The soil is a heavy clay, not inviting to look at, but as Alex. Montgomery, Jr., says, "It holds what it gets." We believe him after looking through the place. Killarney is the principal crop, both pink and white. There is a heavy crop for Christmas. The plants were the picture of health. The stately Mrs. Russell was there in all her glory, and the new red Hadley, in the same house, covered with buds, shared the honors.

This red rose is a distinct type from the Richmond. It is a dark velvety crimson, requires no pinching, carrying the bud upright and giving good stems. The growth is quick, as can be seen where the cut is made. The thorns are red on the under part of the cut after the next growth is ready to cut. Like the Russell it does not like the heat, which readily can be seen in the growth. Where the house is cooler the plants are stronger, and the flowers of more substance. At the end of the house where it is hot the difference can be plainly seen. A house of Mrs. Taft is grown here. We had the impression it was only a summer rose, but there is a heavy crop showing for January which knocks all theories out. Lady Hillingdon of fine quality also is found here.

The heating part is the smoothest running layout we have ever seen. Alex. Montgomery, Jr., being responsible for this. Two 150 h. p. tubular boilers built for 150 pounds pressure but carrying an 80-pound load with a reducing valve set at 10 pounds; a trap at the farther end of each house lifts the water back to an automatic steam pump which passes it into the boiler. The houses being 500 feet long and having a drop of 2½ feet necessitates this. There is a bypass beside the reducing valve in case of accident and

a huge Pemberthy injector in case of trouble. A new 150 h. p. boiler, same design as the other, is being installed. The boiler house has been enlarged to double the size and it is all fireproof, built of iron with four feet of glass in the sides, which makes an ideal plant. The pump room looks like a municipal water plant. A huge pump, which keeps ten men watering, and large enough for future additions, is used for manure water, and a vacuum pump for steam is to be installed next spring, so that the pressure in the spring and fall can be carried at 1½ pounds in the houses. Everything points to extension. Packing shed, ice chests and everything is up to date.

A nice home for the junior Mr. Montgomery and his wife and growing children has been built some distance from the greenhouses. The company consists of Alex. Montgomery, president; Alex. Montgomery, Jr., manager, and Robert Montgomery, treas-



Dracaena Terminalis.

urer. The boys, as Mr. Montgomery calls them, are making their mark. The training Alex. got at Amherst and at the Waban Conservatories fits him to handle the place in a masterly way, and Robert's training in business and chemistry places him in a position to handle the financial end. When the fertilizer man's stuff doesn't come up to the standard or the coal man's coal doesn't make the heat units warranted there is likely to be something doing. Four hundred feet of main steam pipe heats the whole place and not a kick or a sound that steam is running. This has all been put up in a little more than two years. Go and see it. You will be well repaid.

MAC.

BUFFALO, N. Y.—The Dwelle-Kaiser Co., dealers in glass, paints etc., has purchased the Jewett building, at 23-7-25 Elm street, and will move to its new location within 90 days. The building is a seven-story brick and the consideration was \$85,000. The rapid growth of the Dwelle-Kaiser Co. made more room imperative and the new home containing 82,000 square feet of floor space will give room for further expansion.

HOLIDAY TRADE.

Business Shows Healthy Increase.

The Christmas trade of 1912 throughout the country showed a steady and healthy increase generally, over that of a year ago. From some cities the business amounted to about the same as last season, but in the most instances there was an increase of from 10 per cent to 50 per cent. The weather was generally favorable, but in some of the eastern cities, notably New York, a severe snow storm, just before Christmas, hurt trade considerably, keeping many prospective customers indoors and making delivery difficult. Stock as a rule was in sufficient supply to meet the demand and was generally of good quality. Carnations, however, were short in many places. Prices were better in some places than the year before, but generally were about the same. Flowering plants sold very well but decorative plants did not seem to be popular. Christmas greens, as was expected, sold well, according to reports.

FARGO, N. D.—The sales this year were about the same as last, says the Shotwell Floral Co. The prices were the same also with the exception of carnations, which were higher. The supply was equal to the demand. Narcissus and Romans sold pretty well. The quality of the American Beauties was not so good as last season. The other roses were good and the carnations were fair. There was a big call for pink and red roses and American Beauties. The demand for plants was greater than last year. The weather was very fine. Where possible, people were induced to send plants as early as possible before Christmas, as this helped to lessen the rush.

BRIDGEPORT, CONN.—This year's business was about 10 per cent greater than last, according to the report of John Reck & Son. The retail prices were higher. There were plenty of cut flowers of all kinds. Paper White narcissi sold well. The quality of all the flowers was never better. Roses and carnations were most in demand. Flowering plants went better than ever before. The best day of the week was on Monday, as the severe storm of Tuesday kept people indoors. Fancy plant baskets and flowering plants were in good demand. The corsage bouquet trade was light but flowers for house and table decoration were very popular.

BOULDER, COLO.—A 15 per cent increase over last year is reported by C. F. Fawcett. Prices were about the same. The supply of carnations and roses was short but there were plenty of violets. The demand for bulbous flowers was light and the supply ample. The quality of stock was as good as last year if not better. There were not enough red carnations, American Beauties or Richmond roses to meet the call for these flowers. There was a greater demand for azaleas than last season, but very little call for decorative plants. December 24 was the best day and more than made up for the two preceding days, which were disappointing.

LAWRENCE, KANS.—Ten per cent is the increase of this season's trade over last year, according to A. Whitecomb & Son. Prices as a rule were about the same, though cut flowers were a little higher. The supply, with out-of-town stock included, was sufficient. There was a good demand for Paper White narcissi and Roman hyacinths. The qual-

ity of cut flowers was not so good as last year. Poinsettias sold better this season. Cincinnati and Lorraine begonias and cyclamen sold very well. High wholesale prices and the poor quality of shipped in stock hurt the cut flower sales and helped sell the flowering plants.

SPRINGFIELD, MASS.—The Christmas trade was 15 per cent greater than last year and the retail prices higher, according to Wm. Schlatter & Son. Carnations were very scarce but other flowers were plentiful. There were a few tulips and a good supply of Paper Whites and Romans. The quality was about the same as last year, being very good. There was an increased demand for red ruscus and immortelles and for baskets made up of these flowers. Azaleas were the best selling plants. The demand for artificially colored dried flowers was big, owing to the high prices of the natural product.

LINCOLN, NEB.—A twenty per cent increase in business is reported by C. H. Frey. The supply of cut stock, except in red roses, was ample, and prices were about the same as in 1911. There was a large quantity of bulbous flowers but very little call. The quality of the stock was never better. There was a greater call for roses than last year. Nearly a half more flowering plants were sold. They were all in fine condition. There was not much call for expensive plants, but everything in bloom from \$1 to \$3 was cleaned up easily. Mr. Frey says he sold 6,000 poinsettias.

POUGHKEEPSIE, N. Y.—The report of the Saltford Flower Shop states that this year's business was greater by a good margin than that of 1911. Prices were unchanged. There were plenty of roses and violets, but carnations were scarce. The sale of bulbous flowers was good. The quality of the season's stock was equal to that of any previous year. In plants, poinsettias lead, growing more popular every year. Glory of Cincinnati was the most popular begonia. Baskets of plants were also popular. This season the orders came in early and there was no special rush the last day.

RACINE, WIS.—Business this year was about the same as last, according to the Racine Floral Co. Orders of roses, carnations and violets were filled satisfactorily. There were also plenty of bulbous flowers. The carnations were not as good as last season, but the roses and other flowers were of good quality. Basket arrangements were in great demand. However, plants were sold without trouble as were Boston ferns also. Red ruscus, wild smilax and boxwood were much in demand. The ruscus took the place of immortelles in some stores.

FALL RIVER, MASS.—The report of Chatterton, Warburton shows that sales were 10 per cent greater than a year ago. Prices were about the same. The supply of cut flowers was sufficient. Bulbous flowers were in fair quantity and sold fairly well. The quality compared favorably with the stock of 1911. There was a marked increase in the call for red carnations. Plants went about as last year generally speaking. There was a falling off on the call for poinsettias, but a larger demand for azaleas. The storm of Tuesday, December 24, hurt business greatly.

TERRE HAUTE, IND.—Sales were about twenty-five per cent greater than last year, report N. B. & C. E. Stover. The retail prices were practically the same. The supply of cut flowers proved sufficient and there was plenty of bulbous stock. The quality was much better than last year. Everything sold well. The call for flowering and decorative plants was about the same as for 1911. Box-

wood wreaths sold much better than formerly. The weather was ideal. There was no snow but it was cold enough to be bracing.

PORTLAND, ME.—There was no marked difference in sales this year and last, says L. C. Goddard. Prices were 10 per cent higher. Roses were in fair supply but carnations were very scarce. Violets also were short. There were plenty of bulbous flowers and the demand was good. The quality of the stock in general was not as good as last year. The sales of flowering plants were greater than a year ago. There was a greater demand for Christmas greens in special arrangements owing to the shortage and high prices of cut flowers.

LITTLE ROCK, ARK.—A twenty-five per cent greater trade is reported this year by Tipton & Hurst. Prices were about 15 per cent higher. The supply of cut flowers was not equal to the demand. Bulbous flowers were plentiful and sold well. Flowers were all fine in quality and there was no loss. There was a heavy call for cyclamens. Flowering plants sold twenty-five per cent better, but the decorative stock sales fell off about the same amount. The demand for made-up and blooming plants and baskets is growing greater each year.

ATLANTIC, IA.—The Atlantic Greenhouses report a better trade by 35 per cent than last year with better prices prevailing. There were plenty of roses but carnations were scarce. Paper Whites sold well but Roman hyacinths were slow. The quality of the stock in general was better than last season. There was a greater call for carnations. Poinsettias and azaleas took the lead in flowering plants and more were sold than last year. Holly and Christmas trees sold out clean. The weather was more like summer than winter.

KOKOMO, IND.—The holiday trade was considerably greater than in 1911, says W. W. Coles. The prices were about the same. There were plenty of roses, but carnations were short. This shortage helped the sale of bulbous flowers. The carnations were of better quality than last season and the roses about the same. Poinsettias sold well. Azaleas also went without trouble and brought good prices. Carnations were more in demand than all other flowers, with roses next.

WILMINGTON, DEL.—Business was ten per cent better than last year, according to the report of H. P. Potter. There was no change in the prices though the quantity of cut flowers was insufficient to meet the call. The supply of and demand for bulbous flowers were about equal. The quality of the flowers was better. There was an increased demand for carnations. About thirty-five per cent more flowering plants were sold. These were popular in 8-inch tubs made up with ferns, etc.

NEW ORLEANS, LA.—About fifty per cent more business was done here than last season, according to Abele Bros. The retail prices were better than in 1911. The supply of cut flowers, with the exception of carnations, was equal to the demand. There was little call for bulbous flowers. The quality was quite as good as the previous season. White carnations were more in demand. There was a greater demand for flowering plants, especially poinsettias.

SAVANNAH, GA.—The estimate of A. C. Oelschig & Sons places the increase in business as from 15 to 20 per cent. Prices remained the same. Outside stock is always necessary to meet the Christmas and Easter demands here. Bulbous flowers were not plentiful. Roses were not of a very good color, owing to poor weather conditions. Plant sales were fifty per cent greater than last season.

DECATUR, ILL.—An increase of 50 per cent over the last season's business is the report of John N. Bommersbach, who says the retail prices were about the same as last year. Roses and violets were in short supply but there were plenty of bulbous and other flowers. The quality compared favorably with last year. The demand for flowering plants was greater than a year ago and decorative plants sold about the same.

MERIDEN, MISS.—"Fifty per cent more than last year," is the way Mrs. N. G. McKinney reports this season's business. Prices were higher also. Cut flowers were in sufficient quantity to meet the call. Bulbous flowers went well. The quality of the stock was much better this season. Flowering plants of all kinds were in demand. This has been the best and most satisfactory Christmas the trade has known here.

BURLINGTON, VT.—The trade was greater than last season and the retail prices were better, says Mrs. C. E. Gove. The supply of cut flowers was ample and bulbous flowers proved plentiful and sold well. The quality of stock was better than last year. More violets and narcissi were sold. In flowering plants, azaleas, cyclamen, small poinsettias and primroses sold best.

NORWALK, CONN.—Business was about the same this season as last, says R. G. Hanford. Cut flowers were in sufficient quantity and prices remained practically the same. There was only a limited demand for bulbous flowers, as usual. The stock was of better quality than last year. Red roses and Killarneys were in special demand. The call for Lorraine begonias, cyclamen and azaleas was not so great.

COLUMBUS, O.—The "best ever," says John R. Hellenthal of this year's trade. The retail prices were the same as last season. Except for a shortage of carnations, cut flowers were plentiful. The quality compared favorably with last year. There was a shortage of potted poinsettias. Both flowering and decorative plants were in good demand.

JANESVILLE, WIS.—According to the Janesville Floral Co. there was a slight increase in trade this year with prices about the same as last. There was plenty of cut stock of all kinds, but no call for bulbous flowers. The quality was good, but not as fine as last year. All flowering plants sold well. There was a special demand for well grown poinsettias.

KALAMAZOO, MICH.—The increase in this year's trade over last, according to G. Van Bochove & Bro., amounted to twenty per cent. The retail prices were about the same. There were plenty of roses but carnations were short. The quality of stock was better than last year. Flowering and decorative plants sold about as they did a year ago.

GREELEY, COLO.—A trade of twenty-five per cent more than last year is reported by the Gardner Floral Co. Prices remained the same. The supply of cut flowers was insufficient but there was plenty of bulbous stock. The quality was much better than last season. There was some increase in the demand for flowering plants.

MALTA, O.—W. C. Scovel reports an increase of 53 per cent over last year's business and 22 per cent more than the best former year. His holiday trade was large and he also had considerable funeral work.

WINONA, MINN.—John Fuhlbruegge estimates the increase in trade at 40 per cent. Prices were higher than a year ago. Cut flowers were short. The stock was better than the previous season. Flowering plants sold well.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application. From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	1377
—Cleaning up after Christmas.....	1377
—Poinsettias.....	1377
—Tulips and narcissi.....	1377
—Fuchsias.....	1378
—Vinca Rosea.....	1378
August Poehlmann, Chicago (portrait).....	1378
The retail trade.....	1378
—Flower girl's basket.....	1378
—Christmas in New York stores.....	1378
Thos. Roland, Nahant, Mass. (portrait).....	1379
The rose.....	1379
—Grafting.....	1379
Florists' dracaenas (illus.).....	1380
With the growers.....	1381
—E. G. Hill Co., Richmond, Ind.....	1381
—Montgomery Rose Co., Hadley, Mass.....	1382
The holiday trade.....	1382
Our supplements.....	1383
Society of American Florists.....	1383
The glass market.....	1383
Philadelphia.....	1383
R. J. Haight (portrait).....	1388
Chicago.....	1388
St. Louis.....	1394
Milwaukee.....	1394
Meetings next week.....	1395
Cincinnati.....	1396
Columbus, O.....	1396
Oklahoma City.....	1397
Bloomington, Ill.....	1397
Boston.....	1398
New York.....	1400
Madison, N. J.....	1400
Buffalo.....	1400
Montreal.....	1401
Asheville, N. C.....	1406
The seed trade.....	1408
—Seed corn outlook favorable.....	1408
—Non-warranty in England.....	1408
—Barteldes Co.'s new grain.....	1408
Dubuque, Iowa.....	1408
Market Gardeners.....	1414
—A new tomato (illus.).....	1414
The nursery trade.....	1416
—Quarantine inspection officials.....	1416
Rochester, N. Y.....	1416
Dallas, Texas.....	1418

THE date of Easter next year is March 23 and it falls on April 12 in 1914.

SUBSCRIBERS should renew promptly to insure regular delivery of the paper. The yellow address label on the paper shows date of expiration.

THE plantmen of the San Diego exposition are much elated over the discovery among their cacti of some species of Stapelias, South African succulents, commonly known as Carrion plants.

Our Supplements.

Subscribers should see that they get copies of the fine supplementary illustrations showing high grade design and decorative work. These fine supplements should be carefully preserved as they mean much to the retail florists in dealing with their customers, illustrating as they do the various kinds of work that the everyday florist is called upon to perform.

The papers in which the supplements appear should be likewise preserved, as they contain much valuable data with regard to these special illustrations. Subscribers should see that they get every issue, as otherwise they may miss some of this high-grade work.

Society of American Florists.

President J. K. M. L. Farquhar has appointed August F. Poehlmann, Morton Grove, Ill., and Thos. F. Roland, Nahant, Mass., members of the board of directors to serve three years from January 1, 1913.

JOHN YOUNG, Sec'y.

Calendars Received.

We have received attractive and useful calendars for 1913 from the following: Chicago Carnation Co., Chicago; A. L. Vaughan & Co., Chicago; Percy Jones, Chicago; Poehlmann Bros. Co., Chicago; John Mangel, Chicago; Geo. E. Dickinson, New York; I. N. Simon & Son, Philadelphia, Pa.; North Carolina Evergreen Co., Banners Elk, N. C.; Universal Portland Cement Co., Chicago; Benjamin Hammond, Fishkill-on-Hudson, N. Y.; Lakeview Rose Gardens, Jamestown, N. Y.; Metaire Ridge Nursery Co., Ltd., New Orleans, La.; F. O. Franzen, Chicago.

The Glass Market.

The glass market is the firmest that it has been in years and while the prices are much higher than a year ago they are not what might be considered exorbitant in any way. There is almost no question but that it will remain firm the balance of the year. There has been a recent advance in the price of greenhouse glass of 10 per cent, but the manufacturers have sold over 2,000,000 boxes of glass during the month of December, 1912, in anticipation of the advance which went into effect last week. This shows that the large buyers do not expect a lower price next season. One of the large Chicago dealers says that florists who are anticipating any building would do better to place their orders now than late in spring. The demand for greenhouse glass during October, November and December, 1912, has been unusually small, the smallest of any three months since July, 1906. This either means that there will not be much building done next year or that there will be a grand rush soon. It is surely the latter, for several of the large greenhouse manufacturers report that the inquiries during the past month have been more numerous than ever before.

Philadelphia.

SNOW HURTS TRADE.

The Christmas trade just past was a great success up to the night of December 23, when the heavy fall of snow came down like the proverbial wet blanket and knocked fully ten per cent off the profits. In this city it commenced to snow after sunset on Monday and kept it up all night and until nine a. m. Tuesday. The fall was accompanied by a cold driving wind. About eight inches of snow fell during this time. It cleared about noon and the shoppers came out to finish their purchases and there was a fairly good windup. A tour of the stores the day after showed quite a lot of plant stock on hand that would probably have moved but for the inclement weather. There was a good demand for all flowering plants, made up poinsettias in pots and pans leading. Some of these were done very well. Well flowered azaleas were also strong favorites, but much of the stock offered was anything but well flowered. It takes experience to handle the Madam Petrick azalea. It is beautiful when well done,

but for some reason quite a few of the growers fell down on it this season while others sent in very well flowered stock. There were a number of cyclamens but scarcely any of the stock carried bloom enough to make them quickly salable. Heather and ardisias mostly from out of town were fine and sold well. Begonias were as usual disappointing, nothing so beautiful nor at the same time so fragile. The larger stores made a specialty of plant baskets. Pennock Bros. made them one of their leaders. The newest baskets filled with the choicest plants trimmed with ribbons were seen here and a great business was done in this line. There was an immense demand for cut flowers, prices for the most part were moderate. Special American Beauties sold out to the last bud, but \$12 a dozen was high. The same may be said of the tea class, top price Killarneys bringing but \$20. Richmond specials brought \$36 to \$40. A few Sunburst sold as high as \$5 a dozen. This rose will certainly be one of the leaders next season. Carnations were scarce, ranging from \$8 to \$16 a hundred. Violets sold from \$1.00 to \$1.50 a hundred and were about equal to the demand. One had to have a pull to get orders for gardenias filled. Seventy-five cents was the price. There was plenty of lily of the valley. Cattleyas brought \$65 to \$75. Holly and all kinds of Christmas greens were in good demand and most of the stock was sold at fair prices.

NOTES.

Owing to the clogged condition of the streets on Tuesday the florists had a great deal of trouble in making deliveries. Horses were mostly smooth shod and had trouble to keep going. Those fortunate enough to have autos made better progress. H. H. Battles kept, besides a small army of boys, seven autos and five teams busy for two days getting out his orders. All records were broken here.

The H. A. Dreer Co. did a splendid business with their combination pots of plants and filled fern pans. These latter bid fair to become very popular. These pans of ferns with palm center and a month's growth are just the thing, can be quickly transferred to the table fernery, and will give much better service in the house than if the dish were newly filled with a variety at the time ordered.

Godfrey Aschmann reports: "We are all very tired. Business was fine, but we are busier than ever filling up the room and getting ready for Easter. It will be on us before we know it. I always like to get a good start on an early Easter and not have to force the life out of a plant at the finish."

M. Rice & Co. have forgotten about Christmas (although it broke the record for them) and are bending all efforts to get a new line of baskets for the Easter trade which will come almost too soon.

Edward Reid said his business was the best ever and displayed with pride a telegram from a large buyer which said: "Stock received in fine shape. The best Christmas stock we have ever received."

The Leo. Niessen Co. had a very large stock of American Beauties, violets and orchids, and cleaned up on these and in fact everything before the demand was over.

The January meeting of the club is to have the pleasure of hearing from Charles Henry Fox. Mr. Fox is a live wire and full of ideas.

Berger Bros. broke their record for Christmas business, their out-of-town trade being especially good. Richmond roses were a leader with them.

The commission houses all report a splendid shipping business. The stock this season was in fine condition.

K.

Meetings Next Week.

Buffalo, N. Y., January 7, 8 p. m.—Buffalo Florists' Club, 385 Ellicott street.
 Butte, Mont., January 10.—Montana Florists' Club, Columbia Gardens.
 Chicago, January 9, 8 p. m.—Chicago Florists' Club, Union Restaurant, 70 West Randolph street.
 Chicago, January 8.—Gardeners and Florists' Union No. 10615, 230 North Clark street.
 Denver, Colo., January 6.—Colorado Florists' Club, T. M. A. hall, 1422 Curtis street.
 Detroit, Mich., January 6, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
 Fall River, Mass., January 7, 8 p. m.—Fall River Florists and Gardeners' Association.
 Grand Rapids, Mich., January 6.—Grand Rapids Florists and Gardeners' Club, office of member.
 Hartford, Conn., January 10, 8 p. m.—Connecticut Horticultural Society, County building.
 Indianapolis, Ind., January 7, 7:30 p. m.—State Florists' Association of Indiana, State House.
 Los Angeles, Calif., January 7.—Los Angeles County Horticultural Society.
 Madison, N. J., January 8, 8 p. m.—Morris County Gardeners and Florists' Society, Masonic hall.
 Minneapolis, Minn., January 7.—Minneapolis Florists' Club, 115 North Sixth street.
 Montreal, Que., January 6, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrook street, west.
 New York, January 8, 4:30 p. m.—Horticultural Society of New York, American Museum of Natural History.
 Omaha, Neb., January 9, 8 p. m.—Omaha Florists' Club, City hall.
 Philadelphia, Pa., January 7, 8 p. m.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce.
 Pittsburgh, Pa., January 7, 8 p. m.—Florists and Gardeners' Club of Pittsburgh, Fort Pitt hotel, Tenth street and Penn avenue.
 Salt Lake City, Utah, January 7.—Salt Lake Florists' Club, Huddart Floral Co., 43 Main street.
 Seattle, Wash., January 7.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
 St. Louis, Mo., January 9, 2 p. m.—St. Louis Florists' Club, Odd Fellows' building, Ninth and Olive streets.
 Toledo, O., January 8.—Toledo Florists' Club.
 Washington, D. C., January 7, 8 p. m.—Florists' Club of Washington, 1214 F street, n. w.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Advs., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted—Young man of 23, in either store or Greenhouses, Western New York preferred. Address, Key 745, care American Florist.**Situation Wanted**—By first-class saleslady and designer; city experience; permanent position. Address Key 758, care American Florist.**Situation Wanted**—As Rose section man, lifetime experience in Roses. By English speaking German, age 35 single. Address, Key 754, care American Florist.**Situation Wanted**—German-English speaking, single age 35; lifetime experience in Cut Flowers, pot plants.; 9 years in America. Address, Key 755, care American Florist.**Situation Wanted**—By sober young man of 26, experienced grower of cut flowers and plants, capable of taking charge. References. State wages. Address, Key 747, care American Florist.**Situation Wanted**—On private or commercial place in middle west; private preferred; 17 years experience. 7 years as foreman; 43 years old; married; sober; good references; state wages. Address Key 757 care American Florist.**Situation Wanted**—An intelligent and energetic young man, strictly sober and honest, age 26, desires to learn the growing of Cut Flowers, where first class goods are produced. Has had a number of years of experience on a truck farm. Will furnish references, if desirable. Address, I. A., care H. J. Potomkin, Muncie, Ind.**Help Wanted**—Experienced store man and designer to take charge of flower store in city of 100,000. Old established firm. Address, Key 753, care American Florist.**Help Wanted**—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.**Help Wanted**—Two florists; experienced in designing, decorating and selling. Give three references, preferably firms for whom you have worked; state experience in detail and salary expected in first letter. Address Key 756, care American Florist.**For Sale**—An old established and well paying florist store in Chicago, doing a good business, must be sold at once. Address, Key 748, care American Florist.**For Sale**—If you want to buy a florist business, don't miss this exceptional opportunity. Write immediately for particulars. Address, Key 742, care American Florist.**For Sale**—A good paying florist, seed and plant business, established by present owner over five years, in beautiful Berkeley close to San Francisco, the Exposition site; suitable for man and wife. For particulars address Kensington Florist, 3310 Adeline St., South Berkeley Station, California.**Wanted**—the address of Otto Lehman, who left Brooklyn, N. Y. for Colorado Springs about 10 years ago. Please address his friend, GEO. BELLA, 907 Trinity Ave., Bronx, New York City.**HELP WANTED.****Section foreman for Rose range**, on up-to-date place; wages \$15.00 per week. Address, Key 739, American Florist.**Situation Wanted.**

By man twenty-seven, enthusiastic salesman, artistic designer and one who can arrange artistic window displays. Best of reference. Address Key 746, care American Florist.

Help Wanted Quick.

Several good salesladies for Chicago retail stores. Good wages.

Address, Key 751, American Florist.

Wanted at Once

Competent young lady florist for good permanent position in the west. Send full particulars and references to

Address, Key 750, care American Florist.

Help Wanted.

Good designer, male or female, for a Chicago retail store. One or more can apply. Good wages to the right parties. Address, Key 752, American Florist.

SITUATION WANTED**Good Carnation Grower**

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park, Cincinnati, Ohio.

FOREMAN WANTED.

A man who is familiar with all lines of potted plants and forcing and is capable of handling help. He must be absolutely sober and only a high grade man. Salary the best

Key 743, American Florist.

OFFICIAL S. A. F.**Shipping Labels**

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.**AMERICAN FLORIST CO.**

440 Dearborn St., CHICAGO.

The Trade Directory**FLORISTS, SEEDSMEN AND NURSERYMEN**

— OF THE —

United States and Canada**FOR 1912****Price: \$3.00, postpaid****AMERICAN FLORIST CO.**

440 S. Dearborn St.,

CHICAGO

The American Florist Company's Directory of
Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

Directory Revision

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen**, etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by supplying the following information with reference to your business:

In all cases state (1) Name of firm or proprietor, with the officers of corporations; (2) Name of manager; (3) Address, giving street and number or rural route; (4) City or town; (5) State; (6) When business was established; and (7) Whom present owner succeeded.

If Florists, state whether (1) Grower; (2) Retail, having store only, (3) Wholesale; or (4) Commission. If a grower state acreage of ground operated and give number of square feet of glass.

To ascertain the number of feet under glass in a given house, 12x145 feet	145
multiply the length (145 feet) by the width (12 feet) and you have in	12
that house 1,740 feet under glass, thus,.....	1,740

If Nurserymen, state whether (1) Wholesale; (2) Retail; (3) Acreage of ground operated, and area under glass as in the case of florists above.

If Seedsmen, state whether (1) Dealer; (2) Grower; (3) What your specialties are; (4) If a grower, state acreage operated and area under glass, as in the case of florists above.

Inclose your printed letterhead or business card with above details of the business.

Please send the names and addresses of new firms in your vicinity.

Horticultural Supply Concerns

We also list all lines of **Horticultural Supply Concerns**, such as manufacturers of **Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Machinery, Implements, Sprayers, Seed Cases, Flower Pots, Florists' Boxes, Ribbons, Etc.** The specialties are also listed under these heads in the case of advertisers.

Advertising Rates:

Including Copy of New Edition.

Page (3½ x 6½ inches).....	\$25.00
Half page (3½ x 3¼ inches).....	15.00
One-fourth page (3½ x 1½ inches).....	9.00

The Price of the Book is \$3.00 Per Copy, Postpaid.

SEND YOUR ADVERTISEMENT NOW.

AMERICAN FLORIST COMPANY,

Directory Department.

440 S. Dearborn Street, CHICAGO.

New American Beauty Geranium

We take great pleasure in introducing to our many customers for 1913 the New American Beauty Geranium. For the first time, after working on this wonderful new Geranium for nearly three years, we are offering it for sale. It originated from a novelty collection and has stood the test now nearly three years.

Our Claim for American Beauty Geranium

is that it surpasses all other Geraniums in its real American Beauty color—

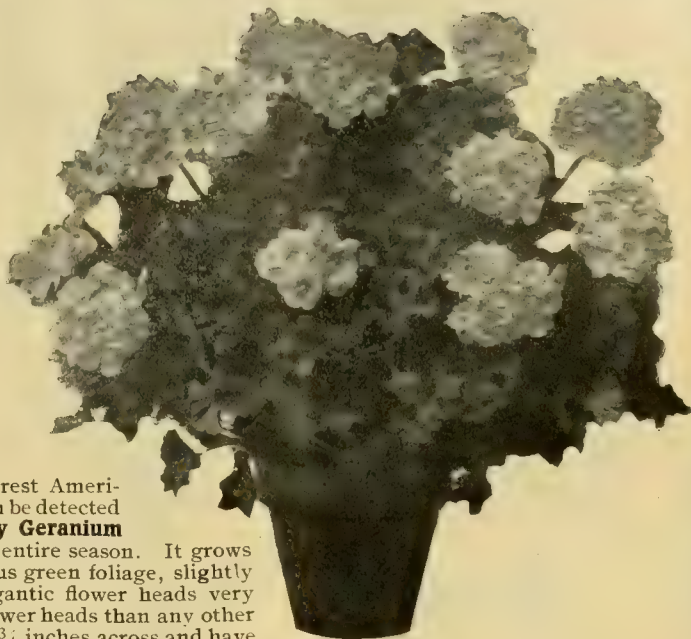
1. In brilliancy of color.
2. In size of its large blooms.
3. In earliness of bloom.
4. In constancy of bloom.
5. In vigor, strength and stocky plants.
6. In propagating quality.
7. In number of large clusters of blooms.
8. In selling quality.
9. In a wonderful ability to retain its color in cool or the hottest weather.
10. In a Geranium that has come to stay as a money maker.

AMERICAN BEAUTY is semi-double, of the purest American Beauty color. It is so distinct that no difference can be detected in the color of an **American Beauty Rose**. **The only Geranium of its color ever introduced.** It flowers freely the entire season. It grows compact, medium dwarf, of stately shape with lustrous green foliage, slightly corrugated, with a brownish circle. It produces gigantic flower heads very freely the entire season. We claim it to have larger flower heads than any other variety of its kind. The individual blooms measure $2\frac{3}{4}$ inches across and have as many as eighty fully opened, gigantic flower spikes and several half open and more in bud, in eight-inch pots.

All orders are filled in rotation, so place your order early with cash accompanying. Stock ready for shipment after January 1st, 1913. Price to the trade from $2\frac{1}{2}$ -inch pots, 50c each, \$5.00 per dozen, \$30.00 per 100, \$275.00 per 1000; from 3 inch pots, \$1.00 each, \$10.00 per dozen, \$75.00 per 100. \$760.00 per 1000. Write for colored cut.

JOHN BAUSCHER,

104 Chicago Street, **FREEPORT, ILL.**



Now is the Time!

You want to plan NOW for a big cut of high grade Carnations for Xmas, 1913

- ☞ Order high-grade cuttings **NOW**; we guarantee you 104 per cent, for we give 104 cuttings to the hundred; get them **NOW**.
- ☞ You will want some strong, grafted roses; we have them on selected **Irish Manetti**; order them **NOW**.
- ☞ We are Western Headquarters for the two splendid forcers, **Mrs. Chas. Russell** and **Mrs. Geo. Sawyer**. Place your order **NOW**.
- ☞ Nothing talks so loud and so well as quality; we guarantee it.
- ☞ Send for our new catalog.

THE E. G. HILL CO.,
RICHMOND, IND.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

Sweet Peas

and

Killarney

Roses

Of Fine Quality

In Large Quantities

Current Price List.

Subject to change
without notice.

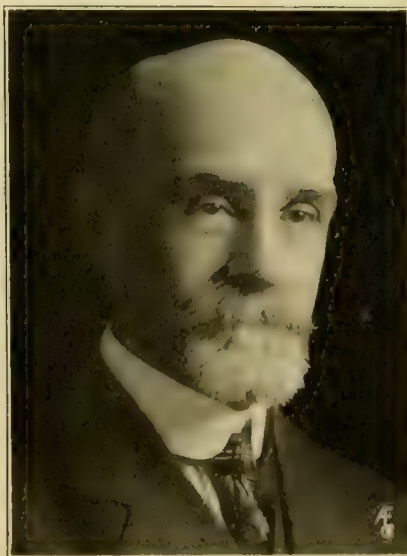
Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 10.00	\$ 8.00	\$ 6.00	\$ 5.00			
Killarney.....per 100	15.00	12.00	10.00	8.00	6.00		
White Killarney.....	15.00	12.00	10.00	8.00	6.00		
My Maryland.....	15.00	12.00	10.00	8.00	6.00		
Richmonds.....	15.00	12.00	10.00	8.00	6.00		
Mrs. Aaron Ward.....	15.00	12.00	10.00	8.00	6.00		
Sunburst.....	15.00	12.00	10.00	8.00	6.00		
Carnations.....	8.00	6.00	5.00	4.00			
Lily of the Valley.....	4.00	3.00					
Violets, Extra fine single.....	2.00	1.50					
Double.....	2.00	1.50					
Sweet Peas.....	1.50	1.00					
Romans.....	4.00	3.00					
Paper White Narcissus.....	4.00	3.00					
Stevia.....	1.50						
Easter Lilies.....	15.00	12.50					
Daisies.....	1.00						
Asparagus Plum osus Sprays, per 100	4.00	3.00	2.00				
Asparagus Sprengerl Sprays..	3.00	2.00					
Mexican Ivy.....	.60						
Smilax.....	16.00	12.50					
Galax, Green and Bronze.....per 1000	1.00						
Ferns.....	2.00						
Boxwood.....bunch	.25						
Adiantum.....per 100	1.00	.75					

Chicago.

BEST CHRISTMAS TRADE IN YEARS.

Now that the rush is over and the dealers have had time to compare their sales with those of last year the general report is that the Christmas business has been very satisfactory and the best in years. There was plenty of stock in most lines especially roses and all orders were pretty well filled in full. Red carnations were scarce and the extra fancy quality brought \$10 and \$12 per 100. White and pink were more plentiful than was at first expected but no surplus was visible when the stores closed at noon. Several shipments arrived late and were sold at a greatly reduced price just as they were in the boxes, because the biggest rush was really over. American Beauty roses were in good supply but sold readily at good figures. The fancy sold for \$10 and \$12 per dozen and the medium grade at \$6.00 and \$8.00 per dozen. Richmond roses were as usual in good demand and while a few of the better grades sold for as high as \$30 per 100 the majority brought only \$20 and \$25. Rhea Reid roses had a good call and some sold at wholesale at \$5.00 per dozen. Killarney and White Killarney roses were very plentiful but the first named were decidedly off color. White roses while in good supply were not so plentiful as in former years and sold for much better prices. My Maryland was in fine condition and in many cases was taken in preference to the Killarney. Sunburst, Mrs. Aaron Ward and Prince De Bulgarie were exceptionally fine and sold like wild-fire. Chrysanthemums, White and Yellow Eaton and Helen Frick were seen in large quantities at several of the stores and sold at wholesale at \$1.00 to \$2.00 per dozen. Sweet peas had a good call all Christmas week, violets sold well but the single

sold the best. Orchids were in great demand and the fancy cattleyas easily brought \$10.00 and \$12.00 per dozen. Gardenias were in short supply and what little stock was offered at \$5.00 and \$6.00 per dozen found ready buy-



R. J. Haight.

Secretary Horticultural Society of Chicago.

ers. Lily of the valley moved freely at \$3 and \$4 per 100 and in some instances \$5. Tulips were offered but had no call to speak of. Paper White narcissus sold well and stevia moved better than for some time. Boxwood

was scarce and advanced a little in price because of the express charges. Mistletoe and holly were sold out completely at an early hour. Red berries were in great demand, and poinsettias sold good. The plant growers had a banner year and were sold out completely in blooming plants several days before Christmas. The weather was ideal for shipping this year and very little loss is reported. The supply houses had all the business that they could attend to and report an exceedingly heavy demand for statice, immortelles and ruscus. Trade as nearly always is the case after a holiday is very quiet and stock of all kinds is very plentiful. Carnations are beginning to arrive in large quantities and the prices have dropped steadily the past few days. Orchids are now in large supply but violets and sweet peas are none to plentiful. The New Year's trade may amount to something but business so far this week has been rather light.

THE RETAIL CHRISTMAS TRADE.

The local florists did an enormous Christmas business and in nearly all cases report a great increase in sales over those of last year. The demand for plants was heavy, especially for azaleas and poinsettias, which were sold out at an early hour. Cyclamen and begonias in some of the loop stores would not sell at all while in other establishments anything that resembled a plant sold quickly at good prices. Cut flowers of all kinds had a good call and trade was so brisk on Christmas morning in some of the larger stores that the stock purchased early that day was soon disposed of and the buyers obliged to make another trip to the market to secure sufficient stock to fill the late orders. Ruscus made up in wreaths and bunches, sold like hot cakes, red ber-

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

ROSES

Killarney now in fine color. **Richmond** in good big supply. **Mrs. Aaron Wards** and **Prince De Bulgaria** also in good supply.

ORCHIDS—Fancy large size **Cattleyas** in large quantities. **Fancy Dendrobium Formosum**, (large white Orchids) and beautiful sprays of **Oncidiums** (yellow).

CARNATIONS will begin coming in crop so that all orders can be filled. Quotations for large lots now in order. Also fancy **Valley**, **Beauties** and **Violets**.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$5.00 to \$6.00	Long		\$8.00	Fancy		\$4.00
30 to 36-inch		3.00 to 4.00	Medium		6.00	Medium		\$2.00 to 3.00
24 to 28-inch		2.00 to 2.50	Good short		4.00	Splits		1.00 to 1.50
18 to 20-inch		1.50	KILLARNEY.			ORCHIDS,		
Short stem	Per 100	6.00 to 10.00	Long		\$8.00	PERCIVILLIANA	per doz.,	5.00 to 6.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Medium		6.00	TRIANAE	per doz.,	7.50 to 9.00
Long		\$8.00	Good short		4.00	ONCIDIUMS		5.00 to 6.00
Medium		6.00	WHITE KILLARNEY.			DENDROBIUM FORMOSUM , doz.		4.00
Short		4.00	Long		\$8.00	EASTER LILIES		15.00
MELODY, long			Medium		6.00	ADIANTUM CROWEANUM		1.00
Medium		6.00	Good short		4.00	MEXICAN IVY	per 1000,	\$6.00 .75
Short		4.00	Extra special Roses, charged accordingly.			SMILAX		16.00
MRS. AARON WARD.			VIOLETS, Princess of Wales		\$1.50	SPRENGER, PLUMOSUS SPR. YS	3.00 to	4.00
Long		\$8.00	Double, New York		1.00	PLUMOSUS STRINGS , extra long and heavy	each,	.60
Medium		6.00	Double, Glencoe, home-grown		1.50	FERNS	per 1,000,	2.00
Short		4.00	ROMANS		\$3.00 to 4.00	GALAX	per 1,000,	1.25
LADY HILLINGDON.			SWEET PEAS		1.00 to 1.50	LEUCOTHOE	per 100,	.75
Long		\$3.00	VALLEY		\$3.00 to \$4.00			
Medium		6.00	NARCISSUS , Paper White		3.00 to 4.00			
Short		4.00	STEVIA		1.50 to 2.00			

RED BERRIES, extra large cases, 36x14x14.....per case, \$3.00

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT

Valentine Boxes

Something new and unique. Also **Corsage Shields**, **Ties** and **Pins**. Place your order now for an assortment of pretty **Red Baskets** for Valentine Day. Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit in giving satisfaction.

1913

The last leaf has just been torn from the calendar and we now write down a new year—**1913**, and we have begun right where we have left off. There will be no step backward. We must look forward, so with the facilities for handling goods and the determination to make the coming year a record breaker, we believe this will be a good place to make your headquarters from now on. Our store is a pleasant place to trade—lots of stock at all times and prices that will always be found right. Bear in mind that **"The Busiest House In Chicago"** is at all times ready to serve all worthy florists. Let it begin now.

J. B. Deamud Co.
160 N. Wabash Ave. Chicago

ries and boxwood were also good sellers. Holly and mistletoe sold as well as in former years and when the rush was over there was practically no stock left.

George Perdikas sold everything he had in both plants and cut flowers at all of his stores. His place in South Wabash avenue was completely filled with stock on Christmas eve, but at noon the next day everything had disappeared. The Dearborn street establishment had a large transient trade and looked empty when the day's work was done. George Propps, Mr. Perdikas' nephew, had charge here while his employer was busy elsewhere.

George Wienhoeber says that the Fleischmann Floral Co. sold 25 per cent more of everything this year in comparison with last year and adds that his prices were much lower. His full page advertisement in the Tribune a few days before Christmas evidently brought great results for he was practically sold out by Christmas noon. Charles Hartwig was on duty as usual during the holidays and proved to be of great assistance at all times.

The George Wittbold Co. had more than its share of the Christmas business at the Buckingham establishment and the sales at the North Clark street store were also satisfactory. "Everything sold well and we had a banner year," Louis Wittbold said the day after the rush, "but the sales would have been fully 50 per cent larger if we had had enough help to serve the trade."

John Mangel did more than his usual Christmas business and has no complaint whatever to make. He handled nothing but the best stock and sold many of his choice Richmond roses for \$10.00 a dozen. American Beauty roses and violets were the best sellers in cut flowers, and azaleas and poinsettias in plants. Cyclamen and begonias did not sell so well here.

The Alpha Floral Co. also sold out completely in all lines. The proprietor says that the demand for ruscus wreaths was surprisingly large and that 60 big cases of winter berries were sold. Monday and Tuesday were the big days at this store, when the trade was so brisk that it was impossible to properly take care of the army of customers.

Canger & Bergmann had a fine trade at their magnificent store in the Fine Arts building on Michigan avenue, but

had to turn away some of the transient customers on account of several large decorations. Mr. Canger said that his firm sold a large number of basket arrangements of both plants and flowers and that violets would not move.

J. F. Kidwell & Brother sold out pretty well in plants at both their Wentworth avenue and Forty-third street stores. The sales were much larger than last year and poinsettias and azaleas were the best sellers in plants. Boston ferns also sold well and nearly two full benches, 100x6 feet, were disposed of.

The Bohannon Floral Co. had more business than it could attend to and when the rush was over there was scarcely a flower left in the store. There was a steady stream of customers all day long on Monday and Tuesday and even Wednesday morning.

Stollery Bros. had a big run on plants, especially azaleas, at their store on Wilson avenue. They sold out completely on cyclamen and also did a big cut flower business. Another automobile was pressed into the delivery service during the holiday rush.

Lubliner & Trinz, the East Randolph street florists, never had such a large Christmas trade although the proprietors did not have much to say regarding it. Roses and violets had the best call but everything else was pretty well disposed of.

Wm. F. Schofield, the North State street florist, was sold out entirely at noon and had to turn away orders. He had several large buffet decorations in the loop that helped considerably to make this Christmas the best ever.

The Kedzie Florist, Hans Rowaldt and E. Leslie, proprietors, report a fine Christmas trade. They say that everything is going along lovely and that the year which just passed has been a very prosperous one.

Schiller, the West Madison street florist, reports a large increase over the Christmas business of last year. Besides a large run on cut flowers and plants a large number of decorations were arranged.

H. C. Rowe reports a fine Christmas trade with a heavy demand for blooming plants. Flowers also sold well at his store and the sales show a marked increase over those of last year.

PERCY

Wholesalers of

**CUT FLOWERS and
FLORISTS' SUPPLIES**

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

A. Lange, the East Madison street florist, had something like 50 employees on his payroll for several days before Christmas, so one can readily see that some business must have been done at this hustling store. Herbert Stone says that the entire force was kept busy at all times and worked so late at night that nearly all the men made their headquarters at a downtown hotel instead of going home. The demand here was principally for cut flowers, with Killarney roses and violets having the best call.

NOTES.

Porch climbers entered John Poehlmann's home on Christmas eve while Mrs. Poehlmann and her daughter were at supper and stole a valuable diamond pin and other jewelry besides a considerable sum of money. When Mrs. Poehlmann and her daughter returned to the room after a lapse of about 15 minutes they missed the articles immediately and notified the proper authorities of the theft, but no hope is entertained for their recovery. Mr. Poehlmann takes the loss good naturedly and is inclined to think that Santa Claus found that he did not have enough presents to cover his entire route so instead of leaving any he took away some that he had left there in previous years. The total loss is fully \$1,400.

READ

what some of our customers have to say about the stock that they received from us for Christmas. These are only a few of the many testimonials we have:

MR. PETER
REINBERG,
Chicago, Ill.

DEAR SIR:

The flowers that you sent me for Christmas arrived fine and fresh. Was well pleased and I thank you for filling my order that way.

Wishing you all
A Happy New Year,
I remain,

Yours,
GEO. WALDBART,
516 N. Grand Ave.,
St. Louis, Mo.

MR. PETER REINBERG,
Chicago, Ill.

DEAR SIR:

I am enclosing a check to cover invoice No. 4282 of the 12-23-12. I want to thank you for the very good service as well as the freshness of the stock. It arrived in extra good condition and must say that it is the best shipment of roses that I have ever had out of the city of Chicago.

Thanking you again for your valued service in the X-mas week, I remain,

Yours very truly,
GEO. E. VALKER,
Valker's Minot Green
House,
Minot, N. D.
By Myself.

MR. PETER
REINBERG,
Chicago, Ill.

DEAR SIR:

Once more I desire to thank you for supplying me with such good flowers. Those Richmond roses were first class, just as I have always received from you.

Respectfully,
MRS. ED. J.
BROWN,
Shelbyville, Ind.

We are strong on all kinds of stock, particularly **Roses** and **Carnations**, of the same quality that we had for Christmas, so place your orders with us and get the best stock obtainable. We aim to satisfy.

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$ 5 00
36-inch stems.....	4 00
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
12 to 15-inch stems.....	1 00
Shorts.....	\$ 50 to 75

Richmonds.....	Per 100
Select.....	\$10 00
Medium.....	6 00 to 8 00
Shorts.....	4 00

Killarney, Special.....	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

White Killarney, Special.....	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

My Maryland, Special.....	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

Sunrise, Select.....	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

Roses our Selection.....	Per 100
.....	5 00

Carnations.....	Per 100
Select.....	2 00 to 3 00

Harrisii Lilies...per doz., \$1 50	Per 100
.....	10 00

Valley.....	Per 100
.....	3 00 to 4 00

Violets.....	Per 100
.....	1 25 to 1 50

Sweet Peas.....	Per 100
.....	1 00 to 1 25

Paper Whites.....	Per 100
.....	2 00 to 3 00

Romans.....	Per 100
.....	2 00 to 3 00

Stevia.....	Per 100
.....	1 50

Asparagus, bunch.....	Per 100
.....	2 00 to 3 00
strings, 60c to 75c ea. Sprengeri.....	2 00 to 3 00

Smilax.....	Per 100
.....	1 50

Mexican Ivy.....	Per 100
.....	75

Galax, bronze and green.....	Per 100
..... per 1000, \$1 25	75

Leucothoe Sprays.....	Per 100
.....	75

Boxwood, per bunch.....	Per 100
.....	75

Ferns, per 1000.....	Per 100
.....	\$2 00

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

BOXWOOD**Extra Fine, \$7.50 per case.****KENNICOTT BROS. CO.****WHOLESALE CUT FLOWERS****163-165 N. WABASH AVE.****CHICAGO****L. D. Phone Central 466**

C. H. Fisk's automobile was stolen from his garage on Christmas morning shortly after the store closed for the day. The robbers entered the garage through a window in the second story and selected his Speedwell, the best machine in the place. The robbery occurred shortly after midnight when some neighbors noticed that the garage doors were open, and suspecting that something was wrong, promptly notified the proprietor. He in turn notified the police and it was not long before the machine was located and returned to its rightful owner. Mr. Fisk says that the blue clothed man with brass buttons that brought his machine back was the most welcome Santa Claus that ever lived.

The next regular meeting of the Florists' Club will be held at the Union Restaurant, West Randolph street, on Thursday, January 9, when the officers elected at the last meeting will be installed. The secretary made an error in calling this meeting under the old by-laws, which would make the date January 2, but will issue another notice giving the correct date, January 9.

President Rudd, of the Horticultural Society, at a meeting of the executive committee held December 27, announced the appointment of R. J. Haight as secretary, taking the place of Chas. W. Deusner, who has left for California. Good work has been reported on the revised premium list for the spring show to be held at the Art Institute April 1-5.

Sharp, Partridge & Co. are confident that the price of greenhouse glass will not be any lower next season, for they have placed their orders with the manufacturers since the recent advance of 10 per cent and are now prepared for the rush with 2,600 boxes, all that they can store at one time.

John Page, son of W. H. Page, the well known grower of Hampton, Middlesex, England, who is employed as a carnation grower at Poehlmann Bros. Co.'s greenhouses at Morton Grove, will leave for home next spring to remain permanently. Mr. Page's friends say that it will not be before the present school term expires. "Nuf said."

Peter Reinberg did a better Christmas business than last year and with the exception of carnations did not ship out an order short. This firm was particularly well fixed on roses and took care of its customers in fine shape. Tim Matchen says that he does not remember when Reinberg's Richmond was so good as this year.

Bassett & Washburn had a good call for their Rhea Reid roses all last week but it was impossible to fill all the orders for this variety. They had a good cut of fine Mrs. Aaron Ward and Sunburst roses, in fact, everything with the exception of carnation was in good supply and sold readily.

Wictor Bros. are glad that the holidays are over for the Christmas trade was by far the largest that this firm has ever had. They will not offer any more blooms of Sunburst this season for all the wood is needed for propagation as they will grow this rose very extensively next year.

August Poehlmann says that Poehlmann Bros. Co.'s Christmas business this year was the largest in the firm's history. Every department was taxed to its utmost and had all the orders that it could properly attend to. His

Start the New Year With Us

for your Cut Flowers as we devote all of our efforts to this and while we are not the largest we can serve you perhaps better than some that have gained **more notoriety**. Our Crops are going to be strong in about ten days and we will have all the staples in

ROSES--CARNATIONS**Violets--Valley****and BULBOUS STOCK.**

If you are not a customer, try us now.

Green Goods a Specialty

Bronze Galax	1000, \$1.00; 10,000, \$7.50.
Green Galax	1000, 1.00; 10,000, 7.50.
Leucothoe Sprays	100, .75; 1,000, 6.00.
Sheet Moss	per bag, 2.25; 5 bags, 10.00.
Wild Smilax	per case, 5.00; 5 cases, 22.50.
Fancy Ferns	1000, 2.50; 5,000, 10.00.
Plumosus and Sprengeri	25c to 50c per bunch
Mexican Ivy	100, .75; 1,000, \$6.00.

A. L. Vaughan & Co.

(Not Inc.)

161 N. Wabash Ave.,**Phones: Central 2571-2572****Automatic 48-734****CHICAGO**

firm is now showing fancy orchids in quantity at the store.

John Zech says that Zech & Mann's Christmas trade was the best in years and that the sales show an increase of nearly \$1,000 over those of last year. This firm is now receiving some fine Asparagus plumosus nanus from Florida, and is shipping it as far north as Winnipeg.

A fire in the basement of Louis Wittbold's home Christmas morning caused a great deal of excitement for a little time on Buckingham place. Fortunately the fire department arrived promptly and extinguished the blaze before much damage was done.

P. J. Foley, of the Foley Manufacturing Co., returned on December 27 from an eastern trip and left again on business the following day for parts unknown. Mr. Foley booked several orders for greenhouse material while he was in the east.

George Manos, the Union Depot florist, supplied a great many suburbanites with ruscus for the holidays. He also shipped a large quantity of roses from this market to his store in Pittsburg, which uses an enormous quantity of stock.

Joseph Foerster says that single violets were in great demand for Christmas at Kyle & Foerster's store. The Killarney roses that this firm is now receiving from the Benthley greenhouses at New Castle, Ind., are showing fine color.

Wm. J. Smyth is still confined to the St. Luke's hospital but is progressing as favorably as can be expected. The boys at the store put their shoulders to the wheel and did a banner Christmas business during his absence.

E. E. Pieser says that Kennicott Bros. Co.'s carload of boxwood, which was due here on December 7, did not arrive until the day after Christmas. He is now disposing of this shipment for the railroad company.

The Chicago Flower Growers' Association is well pleased with their Christmas business which was the best ever. This firm is now featuring a fine grade of sweet peas which are now in brisk demand.

Phil Schupp says that the Christmas trade at J. A. Budlong's store was way beyond his expectations and that his firm had plenty of stock to go around with the exception of carnations.

A. L. Vaughan & Co. are more than satisfied with their Christmas trade and succeeded in selling out pretty well. Mistletoe and holly were sold in large quantities at this store.

Wendland & Keimel are shipping some fine Sunburst roses to E. C. Ameling Co.'s store. Their Killarney roses are now showing fine color.

J. C. Craig, one of the oldest florists in this city, did the "biggest trade ever" this year at his old stand on South Wabash avenue.

The Cook County Florists' Association's bowling league will resume play at Bensinger's West Randolph street alleys on January 8.

L. Hockner, the Clybourn avenue florist, is sporting a new delivery wagon. "It will be an automobile soon," Stogie says.

The Chicago Carnation Co. reports that its new scarlet carnation, the Herald, was the best seller on its list for Christmas.

Jean Franke is wearing a vest made from the hide of a spotted fawn that is the envy of everyone on the market.

J. B. Deamud, the well known wholesale commission man, will celebrate another birthday on January 12.

Ove Gnatt, of Hammond, Ind., left this week for Europe on a combined business and pleasure trip.

Chas. W. McKellar is recovering from a severe cold contracted during the holiday rush.

— Here's Where You Can Get —

THE BEST KILLARNEYS

Both White and Pink

Large, magnificent blooms on all lengths of stems, with luxuriant foliage. **Positively the Best.** None as good in the market. Unusually large crops enable us to supply you all.

BEAUTIES

Richmond, Mrs. Jardine and My Maryland

Are also in good crop and of the same quality as the Killarneys. The stems are good, the substance is fine, and the blooms of the finest possible colors and of unsurpassed quality.

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	15-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00
Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations

Good.....4.00

Medium.....3.00 | Short.....2.00

FERNS, per 1000.....\$2.00

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1 00

SPRENGERI, per bunch......50

ASPARAGUS SPRAYS, per bunch......50

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

ERNE & KLINGEL

WHOLESALE FLORISTS
30 E. Randolph St.
L. D. Phone, Randolph 6578
CHICAGO, ILL.

Peter Olsem, superintendent of the Chicago Carnation Co.'s greenhouses at Joliet, has the sympathy of the trade in the loss of his four-year-old son, whose death occurred on Monday, December 30. The funeral was held the following day.

Vaughan's Seed Store is turning over liberal amounts of new crop seed of northern greenhouse grown *Asparagus plumosus nanus*.

Percy Jones is showing a good supply of stock of all kinds, especially fancy cattleyas.

Fritz Bahr is planning a California trip, leaving about January 7.

Miss Olga Tonner reports a brisk demand for snapdragons.

Miss M. McNulty is now keeping Peter Reinberg's books.

Visitors: Frank La Belle and wife, Fremont, Neb.

St. Louis.

A BRISK CHRISTMAS TRADE.

Christmas, 1912, will be long remembered in St. Louis on account of the sunshiny and balmy weather. On the morning of December 23 the counters of the wholesale houses were well stocked with all kinds of flowers and prices were high, and many of the retailers refrained from buying in the home market. Many of the wholesalers were unable to promise to fill orders on account of their growers' inability to let them know as to the size of their shipments. The warm and bright weather caused a big supply of stock and the consequence was that on the morning of December 24 stock was seen everywhere and the extremely high prices of carnations caused many of the retailers to push their plants, which sales from all accounts were the largest in years. Violets were cleaned up and sweet peas sold well when of good quality. Bulbous stock was a glut, especially Paper White narcissus. Good long stemmed American Beauty roses were salable, but medium and short did not move any too freely. Orchids were sold at \$12 per dozen. The supply from the Chicago market was very visible, especially among the west end florists. At the time of this writing flowers of all kinds are very plentiful.

NOTES.

Grimm & Gorly did an increased business. F. X. Gorly wishes to warn the trade against a young man who stole postoffice order blanks from the Detroit postoffice and victimized many in St. Louis, his firm suffering the loss of \$40.

Geo. H. Angermueller had a good supply of everything. He received a heavy shipment December 24, which failed to bring the prices expected, and on Christmas morning the contents could be purchased at greatly reduced rates.

A. Werner & Bros.' roses were as fine as any that were seen in the St. Louis market, their White Killarney being exceptionally good. This stock is handled exclusively by the Wm. C. Smith Wholesale Floral Co.

The Windler Wholesale Floral Co. was well pleased with their first Christmas trade. Their stock was disposed of at fair prices, their efforts being to satisfy retailers and growers alike.

The Wm. C. Smith Wholesale Floral Co. was strictly in it. Their growers

furnished them with the freshest and finest of stock. The well-filled counters were rapidly emptied.

Hugo Gross had some beautiful violets on the market. His brothers and himself, together with W. J. Pilcher, are the pioneer violet growers of this vicinity.

Miss M. S. Newman did an immense trade. She stated that plants sold the best because her customers refused to pay the high prices demanded for cut flowers.

Robert Newcomb, representing Vaughan's Seed Store, and F. L. Lemke, representing the W. W. Barnard Co., of Chicago, were with us this week.

H. G. Berning had an immense stock. His counters on the morning of December 24 were filled with the best carnations ever seen in this market.

C. Young & Sons Co. disposed of the largest quantity of azaleas, poinsettias and other blooming plants in years at their west end branch.

Kalisch Bros. Floral Co. disposed of many azaleas, poinsettias and a great quantity of orchids, which they grow extensively.

F. H. Weber stated that plants sold better than ever and that trade in general was good.

C. A. Kuehn had a fine supply of roses, carnations and Christmas novelties.

The Riessen Floral Co. did a big business during the holidays.

All the west end florists report increased sales of plants.

Mrs. O. C. Simmonds had a good holiday trade. W. F.

Milwaukee.

CHRISTMAS TRADE EXCEPTIONALLY GOOD.

The market conditions for Christmas week showed a scarcity of carnations and enough white and pink roses to fill all orders. Richmond were in great demand and were somewhat scarce. Sweet peas were of good quality and sold readily, as did violets. Lilies of the valley sold well and there was enough to supply the demand. Narcissus sold well for Christmas but upon this writing they are much in evidence in the wholesale houses. Smilax and all other greens were plentiful. Holly sold readily and the three days before Christmas found good stock exceptionally scarce and bringing good prices. Good mistletoe was very scarce.

NOTES.

Gust. Rusch & Co. report a most excellent Christmas trade but had the same complaint as all the other wholesalers, a carnation shortage, but managed to fill all orders satisfactorily. This firm handled a large assortment of blooming plants and some extra fine holly which sold readily. They are receiving some fine single violets which find ready sale.

Edlefson & Leidiger Co.'s conservatory, adjoining their store, was cleaned out of the large quantity of blooming plants which were put in a few days before Christmas. They say they never had a Christmas when so many plants were sold as this year.

Holton & Hunkel Co. sold a large quantity of blooming plants for the holidays and also had a very fine as well as a large cut of Killarney roses. They report a shortage in carnations, the result being the turning down of many good orders.

Sphagnum MOSS

BURLAPPED

Fresh clean moss from new marsh, full sized bales.

Spiraea Clumps

	Per 100
Gladstone.....	\$ 8.00
Floribunda.....	6.00
Japonica.....	5.00

Lilies

	Per 1000
Giganteum, 7-9,.....	55.00
" 9-10,.....	90.00
Multiflorum, 7-9,.....	45.00

Vaughan's Seed Store,

Chicago. New York.

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

**Mexican Ivy,
Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,
713-717 Milwaukee Ave., CHICAGO

The C. C. Pollyworth Co. was sold out entirely on blooming plants for Christmas. This firm also reports a brisk Christmas trade, having had a fine cut of carnations at their own greenhouses.

J. M. Fox & Son report a fine Christmas trade. This firm handled a large assortment of blooming plants which were entirely sold out.

Big Reduction in Prices

— OF —

CUT FLOWERS

Our **Beauties** are the best in this market and an extra heavy crop of the long stems are now being cut.

In **Killarneys**, both Pink and White, we have large quantities of short and medium lengths, also the extra select **Richmonds**, a good cut of fine stock.

Rhea Reids--these take the place of short and medium Beauties. We have the largest stock in this market of this beautiful Red Rose.

Sunburst--we have twice as many as any other grower here of this popular Rose.

Mrs. Ward--a big cut now on. Everybody Wants It, also **Melody** and **Lady Hillingdon**.

Carnations--Our crop is now on. Price--Pink and White \$3.00 per 100; Red, \$4.00 per 100.

Easter Lilies--Valley--all bulb stock and greens.

Buy your flowers direct of the grower. You get a more even run of stock and much fresher cut. We send our stock in from the greenhouses three and four times per day

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 5 00
36 inch stems.....	4 00
24 to 30-inch stems.....	3 00
15 to 20 inch stems.....	3 00
12-inch stems.....	1 00

Rhea Reid

	Per doz.
Specials, extra long.....	\$1 50
Good length.....	1 00
Medium.....	75

Wards and Richmonds

	Per 100
Extra long.....	\$10 00
Good length.....	8 00
Medium.....	6 00
Short.....	4 00

White and Pink Killarneys

	Per 100
Extra select.....	\$ 8 00 to \$10 00
Medium.....	5 00 to 6 00
Short.....	4 00

Carnations

	Per 10
Pink and White.....	\$3 00
Red.....	4 00
Harrisii Lilies, per doz.....	\$2 00
Narcissus Paper White.....	\$2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00
Leucothoe.....	.60 to .75

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

Ernst Praefke sold several houses of blooming plants consisting of poinsettias, cyclamen and Primula Obconica during the few days preceding Christmas.

W. C. Zimmermann says he could have used more blooming plants as he had sold all the good fancy plants before the Christmas rush started.

Currie Bros. Co. handled a fine assortment of blooming plants as well as cut flowers and were sold out early on Christmas day.

The Fox Point Floral Co. had some very fine cyclamen which they sold to the retailers in the city at good prices.

G. R.

Cincinnati.

CHRISTMAS BUSINESS GOOD.

Christmas business proved very good. All cut flowers sold and sold in a hurry. Even the readily available supply of Paper Whites ran out. The week, too, was a very good one for plants. As a matter of fact, it was the best Christmas season in many years for potted plants. The reason for this probably was the retailers feared the supply of cut stock would be very much shorter than usual and accordingly pushed plants harder than they did before. The rose supply was good. The cut of Richmond and American Beauties was much larger than the most sanguine had anticipated. The Killarney supply came up to expectations. The white roses came in handy for the large amount of funeral work that always manages to edge its way into holiday business. The carnation cut was, when all conditions are considered, very fair. Not very many red were forthcoming, but the offering of Enchantress and Rose Pink Enchantress was pretty fair. Poinsettias sold well. All the stock with hardly any exception was good. The blooms were larger, the stems long and erect and their foliage good and clean. On December 24 the wholesale houses completely cleaned up on narcissi and none were available on Third street until the morning after Christmas. Both giganteums and callas cleaned up. Violets sold very well, but the doubles did not quite clean up entirely. Even at that, about a hundred thousand were used by one house in the market. The choice lily of the valley sold well. The seconds and culls could hardly find a market. Orchids moved nicely. Stevia sold well. The first gladioli of the season came in Monday evening. The green goods supply was large and fully adequate for market requirements.

NOTES.

Charles Garvey, of Pete Weiland's, went to his home in Indianapolis immediately after the Christmas rush, to spend a few days with his folks.

Louis H. Kych and Miss Edith Kych have the sympathy of the trade in their bereavement over the death of their sister Stella, last week.

Pete Weiland cut the first indoor gladioli that came into the market. They realized the very top prices.

William Schumann of Newport had an elegant lot of Begonia Glory of Cincinnati in for Christmas.

C. E. Cutbell cleaned up nicely on his very large supply of New York double violets.

H.

HOLLAND, MICH. — Henry Ebelink, owner of the Park Greenhouses, is building an addition.

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Columbus, O.

BUSINESS VERY GOOD.

Beginning with December 20 the wires were kept busy ordering stock for the Christmas rush which proved to be greater than usual. Carnations were scarce, every one available being booked long before time of delivery. Roses were called for more heavily. There was a heavy call for stevia, which was pretty well cleaned up. Valley, Roman and Paper Whites were in good demand at fair prices. Poinsettias were not offered in as large quantities as heretofore, but many fine specimens were shown. A heavy plant business was done with the poinsettia as the leader. There were many calls for cyclamen, azaleas, and valley in pots and pans. The outlook for a good New Year's trade is very promising and stock is selling at prices above the average.

NOTES.

The Columbus Floral Co. had a good Christmas crop of carnations, Pink, White and Rose Pink Enchantress, Victory, Bonfire, Gloriosa and White Wonder. Sweet peas and stevia were cleaned up early.

Business was brisk at The Livingston Seed Co.'s store. The amount of stock exhibited is evidence of their good trade.

The Cottage Rose Gardens had a number of orders for bouquets and floral pieces besides a nice trade in plants.

The Indianola Florists sold a large number of plants and cut flowers at wholesale besides doing a nice business.

Sam Graff is doing an immense business this season. Cut flowers of every variety and pot plants are sold. Although in business only a short time, The Ohio Floral Co., 139 S. High street, did a good business.

The J. R. Hellenthal establishment gave each of the employees a dressed duck for Christmas dinner.

The Riverside Floral Co. had a nice trade at its store besides wholesaling a lot of bulbous stock.

E. Metzmaier sold a lot of trees, two carloads being bought. Pot plants were cleaned up early.

Underwood Bros. had a fine holiday trade, the only complaint being a scarcity of stock.

Howard & Co. report a satisfactory Christmas trade. Pot plants especially, sold well.

Sherman Stephens had a big run on his ruscus and holly specials.

Graff Bros. report a fine trade, with fancy poinsettias on exhibition.

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

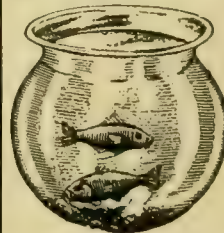
WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH

"Something
Alive in the
Window"



Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

Mention the American Florist when writing

Wilson's Seed Store made a specialty of wreaths and moved an enormous number.

The Munk Floral Co. reports business as good. Many decorative plants were sold.

The Fifth Avenue Floral Co. did a nice business, having a general line of stock.

Wm. Brust says the call for trees was heavy, and cleaned up his stock early.

C. A. Roth reports a good business in sweet peas.

L. S. B.

WILMINGTON, DEL.—The twenty-sixth annual convention of the Peninsular Horticultural Society will be held here January 14-16.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave.,

CHICAGO

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

Oklahoma City.

PLANT TRADE POOR.

Business here was not quite equal in volume to that of last Christmas. The cut flower end did better, however, than the plants. The falling off in the demand for these was very considerable. The storemen had made rather extensive preparations for a plant trade, and unfortunately there were many pretty things left on hand when the stores were finally closed for Christmas day. Made up baskets and boxes of medium size only were offered, and among the most attractive of these were cyclamens, hyacinths, begonias, and short grown poinsettias. Among the cut flowers, roses were in the best demand and, there was probably more of the Killarneys sold than any other one variety. Of other roses available, White Killarney, American Beauty and Richmonds were in evidence, all clean, fresh, and of the best quality, remarkable for Christmas, considering the distance between here and the northern point where they were grown. Carnations were plentiful and mostly home grown. The Stiles Co. had a splendid crop just right for the occasion. Narcissus and poinsettias were also home products. Valleys and violets came from outside. Taken all in all, the Christmas trade was far below that of a normal year but, considering the general business depression that has prevailed here for some months, the florists are well satisfied with the amount of business done.

NOTES.

The Texas Nursery Co. of Sherman, Texas, has established a selling branch on West Main street. They are showing a fairly good line of evergreens in tubs and a general collection of fruit and ornamental shade trees. They expect to be here all through the winter and spring.

Fresh California violets offered at 25 cents a bunch were a feature on the streets two days after Christmas. These were direct from San Francisco, consequently they were the simon-pure article.

The Barteldes store has the decorative work for a rather elaborate wedding which will take place on the last day of 1912.

Milstein, a florist of Kansas City, spent a few days here just previous to the holidays.

S. S. B.

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Dec. 31.	Per doz.
Roses, Beauty, specials.....	\$5 00@36 00
" " 36-in.....	4 00
" " 30-in.....	3 00
" " 24-in.....	2 50
" " 15-20-in.....	1 50@2 00
" " 12-in.....	1 00
" " Short.....	\$6 00@10 00
" Killarney.....	4 00@10 00
" White Killarney.....	4 00@10 00
" Richmond.....	4 00@10 00
" Prince de Bulgarie.....	4 00@10 00
" Radiance.....	4 00@10 00
" Mrs. Aaron Ward.....	4 00@10 00
" My Maryland.....	4 00@10 00
" Melody.....	4 00@10 00
" Mrs. Jardine.....	4 00@10 00
" Lady Hillingdon.....	4 00@10 00
" Sunburst.....	4 00@10 00
Carnations.....	2 00@4 00
Cattleyas.....per doz., 7 50@9 00	
Gardenias.....	5 00@6 00
Lilium Harrisii.....	15 00
Narcissus, Paper White.....	3 00@4 00
Orchids Dendrobium.....per doz.,	4 00
Stevia.....	2 00
Violets.....	1 00@1 50
Valley.....	3 00@4 00
Sweet Peas.....	1 00@1 50
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00@2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00@6 00
Plumosa Strings.....each,	50@60
Smilax.....per doz.,	1 50@2 00
Sprengerii, Plumosa Sprays.....	3 00@4 00

Bloomington, Ill.

A. Washburn & Sons estimate the year's increase in Christmas business as about 7 or 8 per cent. Carnations were a little higher priced. Other flowers were about the same. The supply was ample. The demand for hyacinths and Paper White narcissi was good and the supply plentiful. The quality was fully up to the average. There was an increased call for flowering plants.

J. D. Robinson and Miss Louise Read were married at Savannah, Georgia, December 23. Mr. Robinson had been in the flower trade in this city for something like 35 years, selling out a year ago to his foreman, John R. Gee. The couple will reside in Bloomington.

ROSES

White and Pink Killarney and Richmond Roses. Red, White and Pink Carnations. Callas, Sweet Peas, and Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond, Killarney and White Killarney roses. All orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone. Randolph 3619.

Mention the American Florist when writing

WIE TOR BROS.

Wholesale Growers of **CUT FLOWERS**

All telegraph and telephone orders given prompt attention.

162 N. Wabash Ave., CHICAGO

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.



Mention the American Florist when writing

CC. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

DOVES

First quality, per dozen \$10.50.

Six for \$5.25,

Each \$1.00.

Get my price list of other supplies.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Atlanta Floral Commission Co.

Consignments Solicited.

A ready market for anything.

Write for prices and terms.

Atlanta, - : - Ga.

Boston.

It was a Merry Christmas in the flower trade. Those that had good crops were happy, and those who had crops of any kind didn't have to wait long in disposing of them. Tuesday we had a bad snowstorm but even that did not dampen the ardor of the buyers. It was something like a bargain counter rush. Pickled stock was not in evidence, and carnations were better than we ever have seen them and the price was high. It was rather a change from that of last year. Roses, although somewhat off color because of the weather conditions, were good. Poinsettias were the favorite in plants, and not enough of them could be had. Azaleas did not have the call they formerly have had, evergreen and holly were somewhat scarce, the restrictions on shipping this class of goods being felt badly. On account of the ban by the Agricultural Department, goods coming from the south could not be shipped again out of the state, for fear of the gypsy moth and other pests. This hurt the shipping trade. The wholesalers and retailers did the biggest business on record. All are happy. The individual orders were greater and new orders were much in evidence. Violets sold well but the double variety has had its day, for it is not wanted in Boston at any price. The single has the field all to itself. Calendulas were noted on the market, but there were no takers. The red chrysanthemum intensity we saw in good form with six-foot stems. Some of the boys are thus early making resolutions. It is better to make and break than never to make at all. A happy New Year. MAC.

OAKLAND, CALIF.—F. H. Hutchings has taken out a permit to build a greenhouse.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245. P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Dec. 31.	Per 100
Roses, Beauty, extra.....	40 00@60 00
first.....	12 00@25 00
Brides and Maids.....	6 00@12 00
Killarney.....	6 00@15 00
White Killarney.....	6 00@15 00
Liberty.....	6 00@15 00
Carnations.....	5 00@8 00
Cattleyas.....	35 00@50 00
Gardenias..... per doz.,	3 00@4 00
Lilium Harrisii.....	10 00@12 00
Lily of the Valley.....	3 00@5 00
Calla Lilies.....	16 00
Marguerites.....	1 50@2 00
Snaptagons.....	15 00@25 00
Sweet Peas.....	1 00@1 50
Violets, single.....	1 00@1 50
double.....	1 00@1 50
Poinsettias.....	20 00@25 00
Adiantum.....	75@1 00
Asparagus..... per bunch,	50
Smilax.....	15 00@20 00

PITTSBURG, Dec. 31.	Per 100
Roses, Beauty, special.....	25 00
extra.....	12 00@20 00
No. 1.....	6 00@10 00
Killarney.....	2 00@6 00
My Maryland.....	2 00@6 00
Richmond.....	2 00@4 00
Asters.....	1 00@4 00
Cattleyas.....	50 00
Chrysanthemums..... doz.,	2 00@3 00
Gladioli.....	2 00@4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch,	35@40
Sprays..... per bunch,	35@40

MILWAUKEE, Dec. 31.	Per 100
Roses, Beauty, per doz.,	3 00@8 00
White and Pink Killarney,	6 00@15 00
Richmond.....	6 00@15 00
Carnations.....	4 00@6 00
Callas..... per doz.,	2 00
Lilium Giganteum..... per doz.,	2 00
Lily of the Valley.....	4 00
Red Berries..... per case,	2 00@4 50
Stevia.....	1 50@2 00
Sweet Peas.....	1 50
Violets, Wisconsin grown.....	1 00@1 50
Adiantum.....	1 50
Asparagus..... per string,	50
Sprengeri, per bunch,	35
Roxwood..... per bunch,	25
Ferns, common.....	2 00
Galax..... per 1000,	\$1 50
Smilax..... per doz.,	1 75

¶ We extend to all of our
patrons A Happy and
Prosperous New Year.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.
Phone: Olive or Central 1474

Berger Brothers

FLOWER MARKET,
142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers
and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,
1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Increase Your Sales--OFFER YOUR CUSTOMERS NOVELTIES.

**Pussy-Willow, White Lilac, Pansies, Lupines,
Bouvardia, Mignonette.** Can furnish this stock in quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Dec. 31.	
Roses, Beauty, special.....per doz.,	\$5 00
" " fancy.....	4 00
" " extra.....	3 00
" " No. 1.....	2 00
" " No. 2.....	1 00
Per 100	
" Maid and Bride.....	4 00@ 8 00
" Pink Killarney.....	5 00@15 00
" White Killarney.....	5 00@15 00
" Richmond.....	6 00@15 00
" My Maryland.....	3 00@ 8 00
" Aaron Ward.....	6 00@10 00
Carnations.....	3 00@ 6 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 50@ 3 00
Stevia.....	1 00
Swainsona.....	50@ 1 00
Violets.....	1 00@ 1 25
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....per 1000,	\$2 00
Galax.....per 1000,	\$1 50
Smilax.....	15 00

BOSTON, Dec. 31.	
Roses, Beauty, best.....	50 00@75 00
" " medium.....	20 00@35 00
" " culls.....	8 00
" White and Pink Killarney.....	4 00@ 8 00
" " Extra.....	12 00@16 00
" Taft.....	4 00@12 00
" Cardinal.....	4 00@12 00
" Ward and Hillingdon.....	4 00@20 00
" Killarney and Richmond.....	4 00@12 00
" My Maryland.....	4 00@10 00
Carnations, select.....	2 00@ 5 00
Callas.....	8 00@12 00
Cattleyas.....	40 00@60 00
Gardenias.....	35 00@50 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	75@ 1 00
Smilax.....	12 00@16 00
Violets, single.....	75@ 1 00
" double.....	50@ 75

CINCINNATI, Dec. 31.	
Roses, Beauty.....per doz.,	\$3 00@ \$3 00
Per 100	
" Bride, Bridesmaid.....	6 00@15 00
" Killarney.....	6 00@20 00
" My Maryland.....	6 00@20 00
" Perle.....	6 00@12 00
" Richmond.....	6 00@25 00
" Taft.....	6 00@20 00
Carnations.....	6 00@ 8 00
Callas.....	12 50@15 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....per doz.,	9 00
Poinsettias.....	2 00@ 5 00
Narcissus.....	3 00@ 4 00
Roman Hyacinths.....	3 00@ 4 00
Stevia.....per bunch,	25@ 35
Sweet Peas.....	1 00@ 2 00
Violets.....	1 50@ 2 50
" double.....	1 50@ 2 00
Adiantum.....	25
Asparagus Plumosus.....per bunch,	25
Asparagus Sprenger.....per bunch,	25
Gladioli.....per doz.,	2 50

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the
Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

THE MUNK FLORAL CO.

Wholesale Growers of CUT
FLOWERS and Jobbers of
FLORISTS' SUPPLIES.

Columbus, Ohio

Mention the American Florist when writing

ST. LOUIS, Dec. 31.	
Roses, Beauty, long.....per doz.,	4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 8 00
" White Killarney.....	4 00@ 8 00
Carnations.....	3 00@ 4 00
Easter Lilies.....	10 00@12 50
Lilium Rubrum.....	6 00@ 8 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu.,	35@60
Ferns, New, Fancv.....	1 50

SAN ANTONIO, TEX.—The San Antonio Floral & Nursery Co., capital \$10,000, has been incorporated by H. G. De Jagers, Frederick Murphy and G. H. Schneider.

—THE— J. M. McCullough's Sons Co., Wholesale Commission Florists. —CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supplies

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

New York.

CHRISTMAS WEEK DAY BY DAY.

December 23.—At some places in the wholesale district the supply of stock was light; at others the arrivals were heavy, one prominent wholesaler receiving 85 boxes of roses. There is talk of a scarcity of cut flowers, but we are looking forward to tomorrow. The weather is clear, cool and bracing and conditions seem favorable for good business. The buyers for the big retail stores are fighting shy; they, too, are thinking about tomorrow.

December 24.—When we reached the street this morning we jumped into about 6 inches of snow, with more falling. It was the official beginning of winter and even if a little belated it filled the bill. Deliveries of cut flowers were very slow. The Summit, N. J., express, one of the institutions of the wholesale trade, did not arrive until 5:30 p. m. It was said that the Summit express people put the cut flowers for Twenty-sixth street on an automobile and rushed them in on time, leaving our Twenty-eighth street friends waiting for their stock. Nevertheless, much stock eventually came in and there was no visible evidence of a scarcity in any line. It had been said that carnations would be scarce, but there were plenty of carnations. The ruling price for carnations was \$6 to \$8 per 100. A few special reds went as high as \$10 to \$12, but the buyers fought these prices; in fact, they fought the prices on nearly every stock. They said in effect that there was no reason for such high prices and that if cut flowers reached an unreasonable figure plants would be pushed to the disadvantage of the cut flower trade. The wholesale stores were open all night and buyers were much in evidence. There was considerable buying, but more jockeying and dickering. There was a great supply of roses and the movement was slow. There were also plenty of orchids and violets. Considerable complaint was heard that much of the orchid stock had been held back too long and was not salable. Nobody in these days, expects very much from violets but they moved better than was expected, some going at \$1.00 to \$1.25 a hundred, but there was considerable peddling at lower prices. Lilies and lily of the valley moved freely at reasonable prices. At the retail stores the storm made deliveries a hardship but extra teams and autos were put on and they managed to fill orders on time. The plant trade was a leading feature of the retail stores, and there was a reason. Though many cut flowers were sold, the people as a rule, balked on cut flower prices. One retailer said: "A gentleman came in here and wanted to send a present of two dozen American Beauty roses. When he learned the price he turned them down and bought a combination basket of plants."

December 25. Christmas Day.—In the wholesale district, business was slow. During the hours that the stores were open, prices kept sagging until it became practically a hardship to move stocks. The weather was fine and the retailers were thus helped out in their belated deliveries. Reports from the leading retail stores indicate that business, especially in plants, was very fine.

December 26.—This is an ideal winter day, clear sunshine and not too cold, and the heavy blanket of snow looks seasonable. As was to be expected, business is very quiet, an abundance of stock and light buying. Now that the rush and turmoil of Christmas is over there is opportunity for a calm survey of the situation, and it must be acknowledged that the results in both the wholesale and retail lines are not particularly encouraging. It is the consensus of opinion that the storm of December 24 was a great damper on not only the flower

trade, but nearly every other line of business. It prevented many people from coming out and made delivery a hardship. Then in the wholesale district there was a tremendous influx of stock, notably pink roses. In the two days preceding Christmas one wholesale dealer alone received about 300 boxes of roses. That is but one instance, and adding to that the carnations, orchids, lilies, lily of the valley, violets and poinsettias, it will be seen that the wholesale district, with unfavorable weather in addition, was groaning under a heavy load.

December 27.—Pouring rain greeted the early risers this morning, and what was worse, it rained all day. Not much business was expected under favorable conditions, but the rain made conditions a little worse, as the snow had not been half removed and the streets and avenues were rivers of slush. Prices were away down. There was an attempt to keep the price of special carnations up to \$8.00 a hundred but we did not see anybody paying it. \$3.00 to \$6.00 a hundred were more rational figures. Forty to sixty was the best for American Beauty roses and the prices on Killarney and other tea roses were low. Since noon of Christmas Day, violets have been practically "junk," which reminds us that there is altogether too much "junk" in various lines that reaches this market for the holiday trade. This is no reflection on much good stock that comes in and it is no reflection on the wholesalers who, we believe, try to make the best of what comes to them, but in some instances it is uphill work. Later advices from the retail stores indicate that, as a rule, they have done very well.

December 28.—Business is very quiet and prices in the wholesale markets have fallen. Gardenias and carnations are holding up better than other stocks, but have, of course, fallen off from the Christmas prices. It is difficult to give correct quotations on roses, for the long-stemmed Killarneys and other tea roses seem very hard to move. Reports gathered from various sources indicate that the Christmas violet trade was very poor with the retailers who laid in large supplies. We believe that the trade in holly and holly wreaths exceeded that of any previous year. Asparagus plumosus nanus and smilax are literally drugs on the market. In orchids, whereas in former years the trade was mostly confined to a few stores, now every store has them, and some of the cattleya blooms sell cheap. Stevia and Paper White narcissus are plentiful. There are a few jonquils but they are not yet factors.

Madison, N. J.

Everybody receives a hearty welcome when they call on Edw. H. Behere, who is enthusiastic over his houses of My Maryland and White Killarney and well may be proud of the showing they are making. He has several promising new roses, which will be heard from later. Across the way the establishment of A. P. Smith shows the same high grade of My Maryland and Killarneys. Mr. Behere superintends the work. The output of these places is handled by Moore, Hentz & Nash, New York.

At the L. A. Noe establishment at Madison, one can see American Beauties grown to perfection and a very promising crop is now in sight. Well do they deserve the title of "Beauty King." Under the able management of J. Rusicka, Bridesmaids, Killarneys and Richmond fare well and are of first-class quality. Their output is sold through the New York Cut Flower Co.

The rose growers and florists in the Madison, N. J. section were visited Sunday, December 24 by one of the worst hail storms ever experienced

here. Luckily no damage was done in Madison, but at Morristown, where the storm was most severe, quite a little damage was done to the commercial and private greenhouses.

F. D. Brant of Brant, Hentz & Co., cannot speak too highly of his white rose, Madison, which certainly shows up well and bears out Mr. Brant's statements as to its growth and productiveness. American Beauties are also a feature here and Mr. Brant has a knack of getting them in bloom at just the right time.

At the Shannon greenhouses our old veteran, David Shannon, is still producing his high grade Brides and Maids of which he is very fond, but the writer noticed a few benches of Killarney and believes they will take the place of his Maids next season.

At the H. Hentz, Jr., greenhouses, Mr. Milton takes pride in showing visitors an up-to-date establishment, especially his cold storage plant, lately installed and his houses of Killarneys, My Maryland and American Beauties, which do very well in the concrete benches.

Righter & Barton's range of glass is in full operation. American Beauties, Bridesmaids and Killarneys are grown exclusively and are of excellent quality.

James Murphy has discarded roses and devotes his whole place to smilax, asparagus plumosus and sprengerii.
R. M. S.

Buffalo.

BRISK CHRISTMAS PLANT TRADE.

Weather conditions for two weeks preceding Christmas were considered favorable to the growers of plants that form a good part of the Christmas trade now. In roses, American Beauty, Killarney, Richmond, Mrs. Aaron Ward, Milady, Lady Hillingdon, and the always needed Bon Silence, were plentiful, prices ranging from \$1.50 to \$15 per dozen for American Beauties. Orchids, gardenias, lily of the valley and violets were plentiful, selling well in original arrangements for corsages and Christmas baskets. Carnations, the flower that is most sought for by moderate buyers, was off crop to some extent, consequently prices went soaring, and \$10, \$12 and \$15 per 100 were asked for good carnations, which hurt the sale of them very much, narcissus, stevia and hyacinths being used for the cheaper boxes of flowers. On Wednesday carnations could be bought very reasonably but it was too late, as orders had been filled with other things. Snapdragon, bouvardias, mignonette and pansies were of very good quality and sold well. Poinsettias were never finer or larger than those on sale this year. Begonia Cincinnati, although pink, has come to stay as a Christmas plant, so you had better grow it. Azaleas were good. Cyclamen, extra fine grown, and good primrose plants gave the stores a good assortment of plants, and arranged as they were in baskets with ferns and prettily trimmed, or with a pot cover or mat, made a pretty gift from \$1 upward, and do not jump up because there is an increased demand for them as cut flowers. It was very noticeable last Easter, the exorbitant price asked, and again at this time, and attention is again called to it. "Growers" remember that plants can be grown under glass as well as roses and carnations, and a good salesman or saleswoman can sell them very easily. When put beside a dozen carnations which will you take for \$1, the flowers, the poinsettias, the begonia or the primrose, either plant prettily trimmed, and they keep? Think it over. Another good seller up to about December 23 was baskets or vases of ruscus, statice and boxwood, which is a bright attractive arrangement and one that will keep in a modern hot apart-

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**
WHOLESALE FLORISTS
 109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Siebrecht & Siebrecht, Inc.**

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

ment. These also sold from \$1 upward. Holly, mistletoe, laurel, pine and boxwood, in all their different arrangements, had their usual sale in all the stores and on street corners. Holiday trade as a whole was better than last year, with ideal weather to facilitate all deliveries. The week preceding Christmas and every day and evening until after New Year's has several affairs of some kind, the debutante, a ball, a reception or a wedding, and will give the florists a busy time, which all appreciate.

NOTES.

The writer, who still thinks he is going, had the distinction of an order for a duplication of a bride's bouquet taken by him 25 years ago, and made the same for the silver wedding. When the daughter of this same lady was a debutante two years ago and married last year, the bouquet orders were taken by yours truly. Pretty good record to hold the customers from the time you were a would-be florist until the present day.

W. J. Palmer & Son, S. A. Anderson, the Wm. Scott Co. and Grace F. Newlands, upon whom the public depends the most for plants, more especially the last three, had good stock. Anderson's poinsettias were never better and a third larger than any ever sold in Buffalo before. Scott, Newlands, Palmer and Anderson are all in good shape so far with their lilies for Easter, which will be here before we realize it.

BISON.

Montreal.

BEST YEAR YET.

The Christmas trade was the greatest ever, that is the expression of all, wholesaler, retailer and grower. The plant trade was larger by far than that of cut flowers. Poinsettias were cleared early and as usual were the favorites. There was a splendid lot of azaleas, Mme. Petrick being the best of all the different varieties. Some large specimens of Simon Mardner sold as high as \$15.00. Less matting and ribbon was used in connection with plants than in former years. Glorie de Lorraine begonias sold well in the medium sizes. Anything over five dollars did not go so quickly. Cyclamen sold out even up to ten-dollar specimens with a hundred blooms to the plant. There were also a fine lot of tulips in pots and pans which went at profitable prices, but the best prices were obtained for made-up baskets. This line of goods seems to come more in favor every year, and the men filling them have developed a rare taste in arrangement and effect, also in the blending and harmony of colors. A large trade was done in greens of the better grade. Artificial flowers were in evidence and were sold mostly in small made-up baskets of the dollar size, but this apparently did not interfere with the plant trade, as people very often found what they wanted sold out and only then took recourse to artificial flowers. Cut flowers, in spite of being advertised as very scarce, seemed to be fairly plentiful, especially roses, of which there was a large variety. There were Richmonds with stems as long as American Beauties, Killarneys of all colors, and many more. Carnations were scarce. Enchantress and its sports made up the bulk. There were enough reds to fill early orders. In bulbous flowers there were Paper

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable **Cut Flowers, Florists' Supplies** and **Green Goods** furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be **promptly filled** and at a **reasonable market price**. **Save time and money by sending your orders to us.** Telephone connection.

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Wholesale Flower Markets

NEW YORK, Dec. 31.

Per 100

Roses, Beauty, special.....	25 00@40 00
" extra and fancy.....	15 00@25 00
" No. 1 and No. 2.....	2 00@10 00
" Bride, Bridesmaid special.....	6 00@ 8 00
" extra and fancy.....	3 00@ 5 00
" No. 1 and No. 2.....	1 00@ 3 00
" Killarney, My Maryland.....	8 00@10 00
" extra and fancy.....	4 00@ 6 00
" No. 1 and No. 2.....	1 00@ 3 00
" Hillingdon, Aaron Ward.....	2 00@10 00
" Richmond.....	5 00@25 00
" Sunburst, special.....	6 00@15 00
" Milady, special.....	25 00@35 00
" Taft, special.....	15 00@25 00
" Mrs. Geo. Sawyer, special.....	15 00@25 00
Carnations.....	4 00@ 8 00
Cattleyas.....	25 00@50 00
Gardenias.....	10 00@50 00
Lilies, Longiflorum and Harrisii.....	8 00@10 00
Lily of the Valley.....	2 00@ 4 00
Narcissus, Paper White.....	2 00@ 3 00
Sweet Peas, per doz, bunches.....	35@ 50
Violets.....	35@ 50
Adiantum Croweanum.....	15@ 50
Asparagus Plumosus, doz, bchs.....	1 50@ 3 00
Smilax.....	per doz, strings, 1 00@ 1 50
Poinsettias, cut.....	per dozen, 2 00@ 3 00

Whites, the yellow tulips and a few daffodils. Lily of the valley was a great favorite. A lot of stevia helped to fill many a box. Orchids sold moderately. The weather was fairly cold and an occasional plant was frozen in spite of heavy wrapping, but the roads were in splendid shape for sleighing, a rare thing for this city this time of the year. The estimated increase over last year's business is 15 per cent.

L.

OGDEN, UTAH.—The State Horticultural Society will hold its annual convention January 20-22.

HAMILTON, N. Y.—Mrs. D. M. Fairchild has sold her greenhouse property to Clayton E. Risley; Albertus Starr, who acted as manager for Mrs. Fairchild for the last nineteen years, will raise thoroughbred stock on his farm.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists

Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning,

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

ALEXANDER J. GUTTMAN, Inc.THE WHOLESALE FLORIST
OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

This Budding Knife Free



The Unrivalled Henkel Knife Shown Above Ivory Handle and Fine English Steel Blade will be mailed absolutely free to anyone sending in Two New Subscriptions to The American Florist, the new subscribers being persons in the trade or trade employees. This knife cannot be bought anywhere for less than \$1.25 and most dealers will probably ask more for it, as the price of ivory has been advanced recently.

Send Post Office Money Order or Express Money Order for \$2.00 with the names and addresses of two New Subscribers (persons in the trade, as Florists, Seedsmen or Nurserymen, or their Employees) and we will send them the paper for one year after receipt of subscriptions.

With Canadian orders it will be necessary to send \$4.00 with two new subscriptions and \$5.00 with two new subscriptions from other foreign countries.

The request for the knife must be made when sending in the subscriptions, giving name and address of person to whom the knife is to be sent.

The knife will be mailed absolutely free if the sender of the New Subscriptions complies with the above instructions.

This offer is good now for present orders.

AMERICAN FLORIST CO.,

440 S. Dearborn St.,

CHICAGO.

Rice's Record Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE & CO.

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

1220 Race Street

PHILADELPHIA, PA.

George Cotsonas & Co.

Wholesale and Retail Dealers

in all kinds of

Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

CUT FERNS, Best Quality

1,000 at \$1.25,

2,000 at \$2 40,

5,000 or over \$1.10 per 1000

Robert Groves, 127 Commercial St.
ADAMS, MASS.

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet

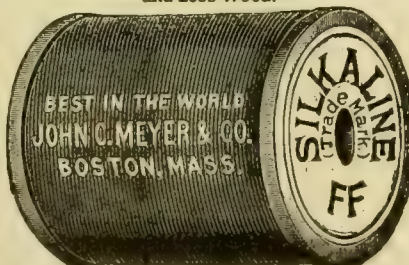
MOSSES

E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

Do Not Take Any Fake Green Thread. Use the
Genuine Silkline and Get More Thread
and Less Wood.



The MEYER Green

SILKALINE

Used by Retail Florists for mossing funeral
designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it
will not fade or rot in the greenhouse. The Meyer
Silkline was the first green thread to be introduced
among Florists and Growers. It is handled by the
best houses everywhere, but it should be ordered by
name—Meyer's Silkline—to be sure of getting the
genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the
manufacturers. Price for any size or color, \$1.25 per
lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.

JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St., Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100: \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money
by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ELK GALAX & FERN COMPANY.

Bronze Galax (New Crop).....50c per 1000, \$4.00 per case (10,000)
Green Galax.....40c per 1000, \$3.50 per case (10,000)
Dagger Fern.....70c per 1000, 3.25 per case (5,000)
Fancy Fern.....65c per 1000, 3.00 per case (5,000)
Green Leucothoe (Long).....\$2.00 per 1000, 3.50 per case (2,000)
Green Leucothoe (Short).....1.00 per 1000, 1.75 per case (2,000)
Rhododendron Leaves.....50c per 1000, 2.00 per case (5,000)

Terms Cash. Prompt Shipment. No orders
too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind.

John G. Heimpl & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40
LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago.

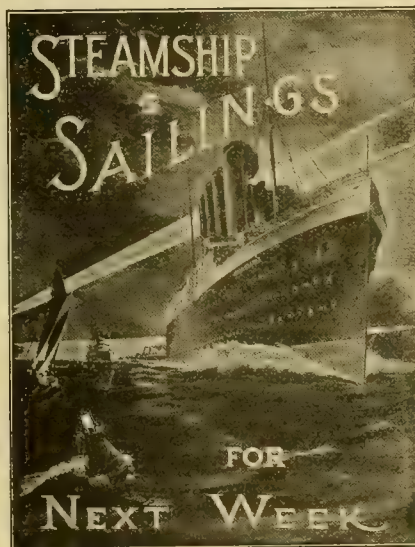
Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

January 10.

FROM ST. JOHN, Empress of Britain, Can. Pacific, 12 noon.
Madonna, Fabre, 3 p. m.
Orange Prince, Prince.
Telestora, Barber.

January 11.

California, Anchor, 10 a. m., Pier 64, North River.
Carmania, Cunard.
Pannonia, Cunard.
Rochambeau, French, 3 p. m., Pier 57, North River.

FROM PHILADELPHIA, Haverford, American, 10 a. m.
St. Paul, White Star, 9:30 a. m.

FROM PHILADELPHIA, Graf Waldersee, Ham.-Amer., 11 a. m.
Hamburg, Ham.-Amer., 11 a. m.

FROM BALTIMORE, Neckar, North Ger.-Lloyd, 2 p. m.
Kursk, Russian-American, 2 p. m.
Herminius, Houston.
Byron, Lampert and Holt.

January 14.

FROM BOSTON, Arabic, White Star, 3 p. m.

January 15.

Lusitania, Cunard.

January 16.

La Savoie, French, 10 a. m., Pier 57, North River.
Uranium, Uranium.
President Grant, Ham.-Amer., 12 noon.
Breslau, North Ger.-Lloyd, 10 a. m.
FROM ST. JOHN, Donaldson.

January 17.

FROM ST. JOHN, Grampian, Allan.
Germania, Fabre, 3 p. m.

January 18.

FROM HALIFAX, Grampian, Allan.
FROM PORTLAND, Ausonia, Cunard.
Franconia, Cunard.
Philadelphia, White Star, 9:30 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited for delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE

FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

Mention the American Florist when writing

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in

MISSOURI, KANSAS OR OKLAHOMA.

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

Hess & Swoboda

FLORISTS,

1415 Farnum St.

TELEPHONES
1501 and 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Berterman Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 98 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Mrs. J. B. Freeman, Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heinl & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburgh.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg F. & P. Co., Geo. M. Kansas City.
Kift, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 16 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Poliworth Co., O. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Snakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller The Florist, 2221 W. Madison St., Chicago.
Schling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. C., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 168 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburgh.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 787 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfkill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Wagent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery

Mention the American Florist when writing



GUDE BROS. CO.
FLORISTS
1214 F ST. N.W.
WASHINGTON, D.C.

WASHINGTON

D. C.

Gude's

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.

Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions, for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America. Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

Order by mail, telephone, telegraph or cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice auties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

Boston and all New England Points

to THOS. F. GALVIN, Inc.,

124 TREMONT ST.

Los Angeles, Calif.

Wolfskill Bros. and Morris Goldenson

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc. 229 WEST THIRD STREET.

City Index to Retail Florists' Filling Telegraph Orders.

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Philip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Gony Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2189 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. M. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

The Cleveland Cut Flower Co.

Will fill your orders for designs and cut flowers in NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Dunlop's

96 Yonge Street.

We deliver anywhere in Canada and guarantee safe arrival.

Millwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in Wisconsin

Michigan.

Orders will be carefully cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Birmingham, Ala.

John L. Parker
FLORIST

Woodward Bldg. Open All Night

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Reini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No. NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Asheville, N. C.

Roses, carnations and violets were in greater demand for Christmas than last year and the supply was decidedly short, according to E. E. Brown. Prices were higher. The demand for bulbous flowers was good and the quantity rather short. The quality of stock compared favorably with last season. The demand for orchids, especially with violets and valley in corsage work, was greater than formerly. Azaleas, begonias, primulas and other plants cleaned up at good prices.

NOTES.

E. E. Brown, proprietor of the Brownhurst greenhouses, had a loss of several hundred dollars a month or two ago owing to an inefficient night fireman. Instead of following out instructions to paint the steam pipes with sulphur to destroy the mildew on the roses, he poured the sulphur on red hot coals he had distributed in the paths. Roses, and begonias, the latter of the Cincinnati and Lorraine variety, were destroyed.

The West Asheville greenhouses owned by D. A., have been leased to Grover Mires, formerly with the Woolsey Greenhouses.

Raleigh, N. C.

Business this year, according to J. L. Quinn & Co., was probably 5 per cent better than last, for the Christmas trade. Prices were a little higher. There were barely enough violets and carnations to meet the demand. In bulbous flowers narcissi sold the best. The carnation stock was better than ever before and the other flowers were of good quality also. Plants sold very readily. Immortelles, ruscus, etc., went well. The weather was ideal.

Local florists are glad the parcels post is to be a reality. One express company controls the situation here now, and it will give us a chance to cut loose from it.

This year in general has been as good as any of those in the past and in some respects better.

J. L. O'Quinn & Co., will open a downtown store soon. This is something new for this city. J. L. O.

PHOENIX, ARIZ.—Richard Altman, of Los Angeles, Calif., has opened a flower store on Center street.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838—
CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Better Understanding

Of our firm, its products, and its methods of doing business means to you, the buyer, Better Service, Better Goods, and Better Satisfaction. Our aim is to produce quality in quantity at reasonable prices.

Better business to us means better employes and to them a better living. We guarantee that you get 100 per cent of what you order in a quality that will be satisfactory to you as a buyer and to us as producers.

Selling job lots at low prices is not a business and there is no standard of quality in job lot buying. From us you get a guaranteed quality at a price fair to the buyer and at which there is a reasonable profit and an insurance against damage in transit. Our goods are insured to you against loss. Producing young stock is a business and job lots at low prices are left-overs and culls.

Our Catalogue of **ROSES, CARNATIONS, CHRYSANTHEMUMS**
and **BEDDING STOCK** is yours for the asking.

A. N. PIERSON CO., Inc.
CROMWELL, CONN.

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Phoenix Roebelenii				
6-in.	6 to 7	28 to 30.....	1 50	18 00	5-in., nicely characterized.....			Each	\$1 00
Cedar tub	Leaves	In. high.	Each	Doz.	6-in., 18 to 20-in. spread.....			1 50	
7-in.	6 to 7	34 to 36.....	2 50	30 00	Cedar tub	High	Spread	Each	
9-in.	6 to 7	40 to 45.....	4 00	48 00	7-in.	18-in.	24-in.....	\$2 00	
9-in.	6 to 7	42 to 48.....	5 00		Cibotium Schiedel				
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	Spread	2 to 2½ feet.....	Each	\$2 00
9-in.	6 to 7	5 ft.....	8 00		7-in.	4 feet.....		4 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops, and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12-inch tubs. We are strong on Decorative Palms, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

NEW YORK.—C. W. Scott and wife are spending the holidays in Bermuda.

LYCOPodium of the variety used for Christmas greens is reported to be shipped to Europe by Japanese dealers.

LILY OF THE VALLEY for ice storage is in very short supply in this country and difficult to obtain from German sources.

SCARLET IMMORTELLES of new crop were well cleaned up by the wholesale florists. Small lots at the last brought 35 cents per bunch.

A. H. GOODWIN and wife, of Chicago, who spent Christmas in Paris, write that they will motor in early January to the Riviera where they are to meet friends.

A WESTERN seedsmen is authority for the statement that the ever increasing state seed laws are making the seed business more difficult and will surely advance prices.

CHICAGO.—Prices on the Board of Trade December 31, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100.—Onion sets, reds and yellows, for January and February delivery, are quoted at 95 cents to \$1 per bushel.—The mild weather has proven very favorable for seedsmen in handling spring bulbs and for nurserymen for southern and western shipments.—Arnold Ringier, of the W. W. Barnard Co., is serving on the jury this week.

Seed Corn Outlook Favorable

Reports from middle western experiment stations show the percentage of moisture in this season's crop of seed corn to be much less than last year and the keeping qualities much higher. Prices are expected to be correspondingly lower.

The University of Illinois station says: "We have not yet begun our work in determining the moisture content in the samples set aside for that purpose, but the indications are that our corn this year is in better condition than common. We think we will find that the moisture content is low this year, since corn has had a good chance to mature."

The University of Nebraska: "The percentage of moisture in our corn at the experiment station on November 15 was about 10 per cent lower than a year ago. Last year was a very abnormal year, however, and the 1912 crop represents about the normal condition."

Iowa State College: "We would consider the present fall as almost ideal for preserving seed corn in good condition. We believe that the seed corn next spring should give a rather satisfactory germination."

Purdue University: "The corn in this part of the country is in better condition at the present time than it has been for a number of years past. The fall weather has been favorable to drying and the corn has come from the field in good condition."

University of Wisconsin: "The moisture in the seed corn on account of our exceedingly fine fall is much less this year than last. This undoubtedly will be beneficial and the seed corn will be of a much higher grade than it has been for two or three years in the past. We think the price will hold about \$3 to \$4 a bushel of 70 pounds."

Non-Warranty in England.

The English Mark Lane Express mentions a curious milk case. An English dairyman decided to protect himself about as American seedsmen do when they handle seeds. He drew up the following form, which customers were obliged to sign before the milk would be delivered:

"I, ..., give no warranty, express or implied, as to the nature, substance, or quality of any milk I supply to my customers. Every endeavor is made by me to supply milk of the best quality and direct from the cow, but I cannot warrant that my milk will at this or any future time be up to the standard laid down by the Board of Agriculture.

"I am prepared to continue to supply you with milk only on the above mentioned terms, though you can always rely upon receiving from me milk as it comes from my cows.

"Please sign and return to me the enclosed acknowledgment of this notice if you wish me to continue supplying you."

The acknowledgment reads:

"I acknowledge to have received from you notice dated the day of July, 1912, and request you to supply me with milk on the terms of such notice."

One of the drivers, a boy of 14, was stopped by a milk inspector who tried to buy a pint of milk for testing. The boy followed instructions and refused to sell unless the inspector signed the printed form. The result was that the boy and his employer were arrested for refusing to sell milk to an inspector. For the defense it was claimed that there was no absolute refusal to sell the milk, since the inspector could have bought on the same terms that every one else did, and under the English law the question of notice of condition of sale had been settled. The court finally discharged the boy and fined the dairyman \$5 and costs in order to carry the point up higher as a test case.—Rural New-Yorker.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

Barteldes Co's New Grain.

Otto Bofinger, manager of the Barteldes Seed Co., Oklahoma City, Okla., showed the writer some ears of the new grain, Feterita, this week. This grain is from present indications, destined to supplant the ordinary Kafir corn. Extensive tests during this last season to have convinced those who have grown it that it matures four weeks earlier than Kafir corn, and that it is immune from the ravages of the chinch bug. Add to this the fact that the individual grains are fully twice as large as the other, and that the yield per acre runs anywhere from 50 to 80 bushels, it seems quite plausible to believe that Kafir corn will no longer be planted when once the merits of Feterita are known universally.

S. S. B.

Dubuque, Iowa.

The greenhouses formerly run by Fred Ullman at Strawberry Point, have been purchased by G. A. Heyne of this city and shipped here. They will probably be added to the Linwood Nurseries, at this spring. The park board intends to make an elaborate floral display in the public parks of which Mr. Heyne is superintendent, this season. It is the intention of the park board to erect some greenhouses of their own in the near future. Until then, the Linwood Nurseries are leased for the purpose of growing the plant supply for the city parks.

J. H.

MADISON, WIS.—The forty-seventh annual convention of the State Horticultural Society will be held here January 8-10.

OTTAWA, KAN.—The office, workroom and potting room with all supplies of the Lester Greenhouses were destroyed by fire, December 14.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,
Grand Rapids, Mich.



Early Frame.

Grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

For Fall Planting

Lilium Tenuifolium, Hanson, Davuri-
cum, Henry, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, Ger-
man and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

Mention the American Florist when writing

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.

SANTA ANA, CALIFORNIA.

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples

Established 1877.

Headquarters for **CAULIFLOWER** and **WHITE**
TRIPOLI ONION SEED, (Crystal Wax), and
all other **VEGETABLE** and **FLOWER SEEDS**.
THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

Telegraph Code Am. Seed Trade Association

— \$2.00 —

Either stiff or flexible covers. Address orders,
American Florist Co., Chicago

BEANS, PEAS, RADISH and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Onion Seeds--Onion Sets

We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

We are also submitting contract figures
for the 1913 crop of Onion Seed.

SCHILDER BROS., Chillicothe, O.

CHOICE

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of

WATERMELON AND MUSKMELON SEED.

ENID, OKLAHOMA.

MANN'S

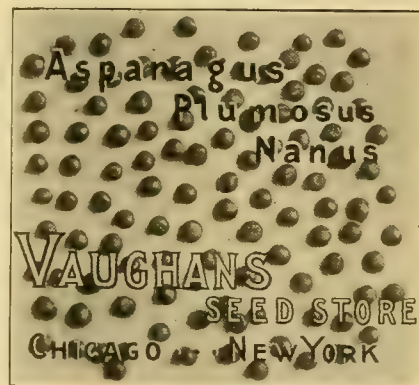
Lily of the Valley

are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to

OTTO MANN, Leipzig, Saxony, Germany

Mention the American Florist when writing

New Crop Northern Greenhouse Grown (ready)



Thorburn's Seeds

WE have a very fine stock—Berlin
and Hamburg, best ever imported
—of Lily of the Valley Pips, in splendid
condition. Send your order without delay.

\$10.00 per 1000 (in
1000 and 3000 cases)

J. M. THORBURN & CO.
110 years in business in New York City
33 Barclay Street - - New York

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

The Early Advertisement
Gets There.

Gladiolus

Healthy and strong bulbs

For Forcing

First Size, 40 per cent 2-inch and over. per 1000

Augusta - \$16.00

Mrs. Francis King 17.50

America - 25.00

250 at 1000 rate.

F. F. SCHEEL

Shermerville, Ill.

CARNATIONS CANNAS GLADIOLI

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,

PEDRICKTOWN, N. J.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists and Market Gardeners.

S. D. WOODRUFF & SONS

SEED GROWERS

Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and Flower Seeds. Contract Taken
Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK

Mention the American Florist when writing

Cold Storage LILY OF THE VALLEY FOR JANUARY FORCING

New crop should never be used for January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Narcissus Paper White Grandiflora

We can still supply a splendid lot of these bulbs in perfect condition. Bulbs have been held in cold storage, so that they are perfectly dormant. We offer two grades—13 c-m bulbs, 1,250 to the case, and 14 c-m bulbs, 1,000 to the case—which we will supply as long as unsold at \$10.00 per case in case lots.

Spirea.

Gladstone. Fine clumps. Case lot of 100 at \$8.00 per case.

Queen Alexandra. Fine clumps. Case lot of 100 at \$11.00 per case.

Lilium Giganteum and Multiflorum.

Giganteum. 7-9 inch bulbs, case of 200 at \$16.50 per case.

Multiflorum. 9-10 inch bulbs, case of 200 at \$17.00 per case.

Fine Named Hyacinths.

We have left a few thousand bulbs in the finest named Single and Double Commercial Sorts—La Grandesse, L'Innocence, Grand Maitre, Bouquet Tendre, Grandeur a' Merveille, La Tour d'Auvergne, Flevo, Othello, etc., \$4.00 per 100. Hyacinths. Separate Colors—red, white, blue. \$2.50 per 100.

Freesias. French, mammoth bulbs. \$6 per 1,000. Purity, \$10 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson, NEW YORK.

Pedigree Seeds

Catalogue 1913

NOW READY.

MAILED ON APPLICATION.

Watkins & Simpson, Ltd.,

12 Tavistock Street,

COVENT GARDEN,

LONDON, ENGLAND.

Henry Fish Seed Co.

Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant, Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.
Correspondence Solicited.

Mention the American Florist when writing

Franzen's Seeds Sure to Grow

Primula Chinensis, fine mixture, 100 seeds, 50c. Cyclamen, giant strain, fine mixture of colors, 1000 seeds, \$3.50. Cineraria Hybrida Grandiflora, fine mixture, 100 seeds, 60c. Stock, Ten Weeks Double, fine mixture, oz., \$1.50. Pansy, giant strain, mixed, oz., \$1.25. Pansy, superfine, very large, mixed, oz., \$2.00. Pansy, superfine, very large, in separate colors, oz., \$2.50. Lettuce, Grand Rapids, per lb., \$1.00. Radish, Scarlet Globe, per lb., 75c.

F. O. FRANZEN, 1476 Summerdale Ave., Chicago

THE C. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Muskmelon, Squash and Pumpkin, Sweet, Flint and Dent Seed Corn

Mention the American Florist when writing

Vaughan's Flower Seeds

10 Per Cent Special Cash Discount.—On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

Our Florist Catalog is now in the printers hands and a copy will be mailed in a few days.

AGERATUM.	Trade Pkt.	Oz.
Imperial Dwarf, blue.....	\$0.10	\$0.30
Imperial Dwarf, white.....	.10	.30
Blue Perfection	.10	.40
Little Blue Star	.50	
Red Pearl, dwarf, pink.....	.25	
Princess Victoria Louise.....	.10	.40
Little Dorrit, dwarf, blue.....	.10	.40
Wendlandi nana compacta, album	.15	

ALYSSUM.	Trade Pkt.	Oz.
Maritimum, Sweet Alyssum, lb.	\$1.25	.05 .15
Vaughan's Little Gem, extra fine strain, lb.....	\$6.00	.10 .40

ANTIRRHINUM.	Trade Pkt.	Oz.
Large-flowering, choice mixed ..	.10	.40
Majus Carmine Rose.....	.10	.50
Firefly, scarlet, white throat ..	.10	.50
Golden King, yellow.....	.10	.50
Queen Victoria, pure white.....	.10	.40
Brilliant Scarlet.....	.10	.50
Dark Rose.....	.10	.50
Venus, apple-blossom pink.....	.25	
Striped Varieties, mixed.....	.10	.50
Lovely white with pink lip.....	.10	.50
Delicate Pink.....	.10	.50
Vaughan's Special Mixture.....	.10	.50

ASPARAGUS.	Trade Pkt.	Oz.
Plumosus Nanus, Northern Green-house Grown. Per 100 seeds, 50c; 250 seeds, \$1.00; 1,000 seeds, \$3.50; 5,000 seeds at \$3.25 per thousand.		
Hatcheril. Finer, heavier and more rapid grower than Plumosus. 100 seeds, \$1.00; 1,000 seeds, \$9.00.		
Sprengerl. 100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, \$3.00; oz., 50c.		

ASTERS.	Trade Pkt.	Oz.
Queen of the Market Aster. The standard early flowering type—White, Crimson, Pink, Light Blue, Dark Blue, Silvery Lilac, Scarlet, Flesh, Dark Lilac. Each of the above, per lb., \$10.00; ¼ oz., 25c; trade pkt., 10c; oz., 80c.		
Queen of the Market, best mixed, lb., \$6.00; trade pkt., 10c; oz., 60c.		

BEGONIA.	Trade pkt.
Rex Hybrids, 500 seeds.....	.35
Gracilis Bonfire, flowers lustrous carmine scarlet, metallic brown foliage, per pkt.....	.20
Gracilis Luminosa, foliage lustrous reddish brown, the flowers are a fiery dark scarlet.....	.25
Gracilis Mignon, fiery scarlet red, foliage soft dark green, spotted and bordered with bronzy red....	.25
Gracilis Prima Donna, large transparent rose flowers, shading to carmine	.20
Vernon, red-leaved and red-flowered, ¼ oz., 30c.....	.10
Berna, foliage is very dark, flowers are very bright carmine red.....	.25
Erfordia, rosy carmine flowers, ½ oz., \$1.25	.25
Erfordia Grandiflora Superba, an improvement on the Erfordia.....	.25
Red Lubeca, fine for bedding.....	.25
Tuberous Rooted Victoria, new, a very fine strain of frilled flowers, 4 inches across, colors mostly in red shades	.25
Double Tuberous Rooted, best mixed	.25
Tuberous Rooted Lafayette Hybrids, superb varieties of sturdy growth, mostly scarlet, bronze leaved, double	.25

BELLIS.	Trade Pkt.	Oz.
Vaughan's Mammoth Mixture ½ oz., 35c.....	.25	
Mammoth, White, ½ oz., 35c.....	.25	
Mammoth, Pink, ½ oz., 50c.....	.25	
Longfellow, dark pink.....	.15	1.50
Snowball, double white.....	.15	1.40
Monstrosa, new giant double white, ½ oz., \$1.00.....	.25	
Monstrosa, new giant double pink, ½ oz., \$1.00.....	.25	
Turban, best double red.....	.25	

CANDYTUFT.	Trade Pkt.	Oz.
Giant Hyacinth-Flowered, Extra selected stock, for florists' use, lb.	\$5.00	.15 .50

CELOSIA.	Trade Pkt.	Oz.
Cristata (Coxcomb), tall sorts mixed	.05	.25
Dwarf sorts, mixed.....	.25	1.25
Dwarf President Thiers.....	.15	1.00
Dwarf Empress, crimson.....	.25	2.00
Aurea, dwarf, golden yellow	.15	1.25
Rosea, dwarf, rose, colored combs	.15	1.25
Dwarf Fire King	.25	

Centaurea, Gymnocarpa, lb., \$2.75	.05	.30
Candidissima (Dusty Miller)	.25	.75
Cobaea Scandens, Purple, lb., \$4.00	.10	.40
Scandens Flore Alba, White	.10	.80
Coleus, Vaughan's Rainbow Mixture, ½ oz., 75c.....	.25	
Fine Mixed	.15	1.50
Extra Choice, large leaved, mixed, ½ oz., \$1.00.....	.25	
Large-leaved Copper-colored	.25	
Laciniated and fringed, ½ oz., \$1.50	.25	
Cyperus Alternifolius, Umbrella Plant.....	.15	1.25
Dracaena Indivisa Lineata.....	.10	.40
Indivisa, lb., \$3.00.....	.10	.30
Indivisa Latifolia	.10	.50
Australis	.10	.50

Echeveria (Hen and Chicken), mixed, 1,000 seeds, \$1.00.....		
Metallica, 1,000 seeds, \$2.50		
Secunda Glauca, 1,000 seeds, \$1.00		
Desmetiana, 100 seeds, 20c; 1,000 seeds, \$1.20.....		
Grevillea Robusta.....	.10	.50
Heliotrope, finest mixed, ¼ oz., 25c.....	.10	
Mammoth Flowered, mixed	.25	1.50
Ipomoea Noctiflora, Moon-flower, white seeded, lb., \$3.50	.10	.35
Ipomoea Noctiflora, black seeded, lb., \$3.00.....	.10	.30
Giant Pink (Northern Light)	.10	.40
Leari, dark blue, splendid.....	.25	1.25
Setosa, Brazilian Morning Glory	.10	.35
Lantana Hybrida, mixed.....	.05	.15
Bruant's New Dwarf Hybrids, mixed	.10	.40

LOBELIA.	Trade Pkt.	Oz.
Bedding Queen, ¼ oz., 25c.....	.15	1.50
Erinus Compacta, "Firmament,"	.15	
Crystal Palace Compacta, true Speciosa, dark flowers and foliage	.10	.50
Emperor William.....	.10	1.00
Gracilis, blue.....	.05	.40
Hamburgia, good for hanging baskets, etc.....	.25	
Hybrida Sapphire, best for hanging basket.....	.15	
Heterophylla Major, clear blue	.15	1.50
Lophospermum, Scandens.....	.15	1.30

MIGNONETTE.	Trade Pkt.	Oz.
TRUE MACHET, Vaughan's Selected Stock. The seed we offer produces dwarf, vigorous plants of pyramidal growth, ½ oz., 40c.....	.10	.75
Mimulus Moschatus, Musk Plant	.10	1.00
Myosotis, Vaughan's Early and Late Flowering.....	.15	.80

PETUNIAS.	Trade Pkt.	Oz.
Single Large Flowering Sorts.		
Large-Flowering, finest mixed ½ oz., \$2.00.....		\$0.25
Fringed, mixed, extra choice, ½ oz., \$2.00		.25
Giants of California, true, ½ oz., \$2.00		.25
Ruffled Giants, mixed.....		.50
Triumph of the Giants. The flowers often measure 7 inches across; some of its colors cannot be found in any other mixture		.50
German Empress, Giant flower, bluish white, veined purple....		.35
King Edward. Deep blood-red with white center, very distinct		.35
Balcony Queen. Rich velvety violet with white blotches		
"Vaughan's Best" Mixture of Large-Flowering Single Petunias. We are positive that no Petunia Mixture can produce flowers with as wide a range of colors as our "Vaughan's Best." Trade pkt. (1,000 seeds), 50c; 3 pkts. for \$1.35.		

Large Double-Flowered Sorts.	Trade Pkt.	Oz.
Double Large-flowering, extra choice mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$3.00.		
Double Large-Flowering, Fringed, best mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$4.00.		
Lady of the Lake, Double-Fringed, pure white, 1,000 seeds, \$1.20; 500 seeds, 65c; 1/64 oz., \$3.50.		
Double-Fringed Perfection. 10,000 seeds, \$12.00; 1,000 seeds, \$1.50; 500 seeds, 80c.		
Double Fringed Pink. 500 seeds, \$1.00. Vaughan's Special Mixture Double, extra choice, 1,000 seeds, \$1.50; 500 seeds 80c 1/64 oz., \$4.00.		
Pyrethrum, Parthenifolium Aureum, Golden Feather.....	.10	.25

SALVIA.	Trade pkt.	Oz.
Clara Bedman	.25	1.60
Drooping Spikes	.25	1.80
Fireball, ¼ oz., 75c	.35	2.50
Zurich	.50	3.50

STOCKS.	Trade Pkt.	Oz.
Double Large-Flowering, Dwarf, German 10 weeks. Canary Yellow, Dark Blue, Crimson, Brilliant Rose, Light Blue, Blood Red, White, Flesh. Each of above	.25	1.80
Extra choice, mixed.....	.25	1.25
Giant Perfection or Cut and Come Again. Sky Blue, Light Blue, Flesh, White, Dark Blue, Canary Yellow, Pink, Scarlet. Each of the above	.25	2.50
Thunbergia, mixed.....	.10	.40
Torenia Fournieri Grandiflora, ¼ oz., 30c.....	.10	

VERBENA.	Trade pkt.	Oz.
Defiance, brilliant scarlet, true	.15	1.00
Ellen Willmott, a good deep pink	.25	
Firefly, brilliant scarlet, white eye.....	.15	1.25
Hybrida Gigantea	.25	2.50
Mammoth, mixed.....	.10	.80
Mammoth, white, extra choice	.15	.80
Mammoth, Rose and Carmine shades	.15	1.00
Mammoth, Purple shades	.10	.80
Mammoth, Striped on red ground	.15	1.00
Mayflower, beautiful pink....	.15	1.00

"Vaughan's Best" Mixture of Verbenas.

This is unquestionably the best strain of Verbena seed in existence. Trade pkt., 25c; ¼ oz., 50c; oz., \$2.00; 2 ozs., \$3.50.

Trade pkt.	Oz.
Vinea Rosea, mixed.....	\$0.10 \$0.40
Rosea pink	.10 .50
Rosea Fl. Albo, white with pink eye	.10 .50
Rosea Alba Pura, pure white	.10 .50

Vaughan's Seed Store, 25 Barclay Street, NEW YORK.

31-33 W. Randolph St., Chicago
803 W. Randolph St., Chicago

Fine Stock Plants

Asparagus Plumosus and Asparagus Sprengeri

From 2¼-in. pots,
\$3.00 per 100; \$25.00 per 1000.

Smilax

From 2¼-in. pots, \$2.00 per 100.

Single Bedding Hyacinths

White, Red and Blue,
\$1.60 per 100; \$15.00 per 1000.

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,
ROCHESTER, N. Y., The Flower City.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3-in., \$5.00 per 100.
Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c;
5-in., 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.,
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Bellotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

ROSES
T h i n g s

THE LEEDLE FLORAL COMPANY
SPRINGFIELD-OHIO

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

ROSES

A SPECIALTY.

The Dingee & Conard Co.,
WEST GROVE, PA.

Mention the American Florist when writing

We wish A Happy New Year
to all the readers of the
American Florist.

Geo. A. Kuhl,
Wholesale Grower for the Trade.
PEKIN, ILL.

Mention the American Florist when writing

"Get them at Dreer's"



The Dreer Strain of Double Petunias

For nearly half a century the majority of the growers in the United States have been depending on the Dreer strain of Double Petunias, which this season compares favorably with stock we have heretofore supplied.

We offer for immediate delivery, good three inch pots, which will quickly furnish a good supply of cuttings, in fifteen varieties, 75 cents per dozen; \$6.00 per 100, or the set of fifteen varieties, one of each, \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS.** Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1-8 oz.

Our Quarterly Wholesale Price List, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

The above prices are for the Trade only.

HENRY A. DREER,

Philadelphia, Pa.

Chrysanthemums

Of all Descriptions.

NOVELTIES FOR 1913

And all the Best Standard Sorts.

Catalogue Ready in January.

The Best Double Red Geranium is
SCARLET BEDDER
FULLY INDORSED.

January delivery from 3-in. pots, \$1.50
per ten; \$12.50 per hundred.

Elmer D. Smith & Co.,
ADRIAN, MICH.

CARNATIONS

Rooted Cuttings, Season 1912-1913.

January delivery.

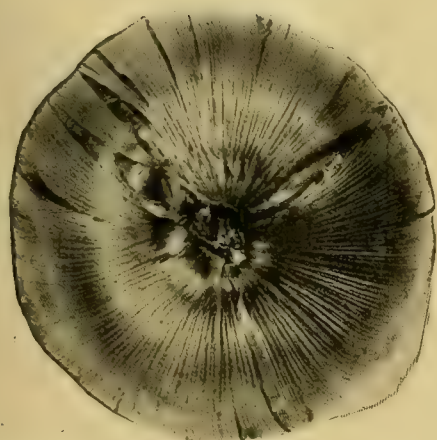
	Per 100	Per 1000
Rosette.....	\$6.00	\$50.00
St. Nicholas	6.00	50.00
Benora	6.00	50.00
Gloriosa	4.00	30.00
White Wonder.....	3.00	25.00
White Perfection	3.00	25.00
White Enchantress.	3.00	25.00
Enchantress	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Scarlet Glow	3.00	25.00
Mrs. C. W. Ward	3.00	25.00
Bonfire	3.00	25.00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

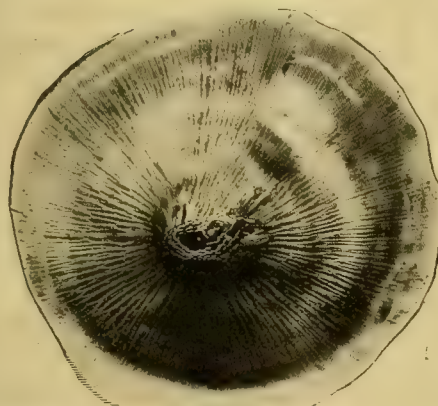
F. DORNER & SONS CO.
LA FAYETTE, IND.

The Early Advertisement Gets There

We are Growers of Gladiolus Bulbs



MRS. FRANCIS KING.



AMERICA

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

Mrs. Francis King, First Size.....	Per 1000
“ “ “ Medium Size	\$18.00
Augusta, First Size	15.00
“ Medium Size.....	16.00
America, First Size.....	13.00
“ Medium Size	25.00
Kunderdi Glory, First Size	22.00
Chicago White.....	48.00
	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices before placing orders for this stock.

☞ Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

NEW YORK
CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of
 Whitman. A better commercial fern; 2½ in.,
 \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
 250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
 F. O. B. West Grove.

THE CONARD & JONES CO.,
 West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N Y

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.....\$3.00 One Hundred rooted cuttings....\$ 12.00
 Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.. 100.00
 Fifty rooted cuttings..... 7.00 Shipments now.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
 BROOKLYN, N. Y.

Primula Obconica, strong plants, in bud and bloom. 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong. 2½ inch. \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengeri, strong. 2½-inch. \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Chrysanthemum Stock Plants.

Smith Advance, 75c per doz., \$4.00 per 100.
Mrs. David Symes, Unaka, (Pink), **Chrysolora**, (Yellow), \$1.00 per dozen.
Roman Gold, \$1.00 per doz.
D. Witterstaetter, (red), \$1.00 per doz.
Amarita and Charles Razer, 4c each.

ELI CROSS, : Grand Rapids, Mich

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Prices of Indoor Fruits and Vegetables.

Chicago, December 30.—Mushrooms, 20 cents to 50 cents per pound; lettuce, 10 cents to 12½ cents, small cases; radishes, 25 cents to 50 cents per dozen bunches.

New York, December 28.—Cucumbers, \$1.50 to \$1.75 per doz. and \$2.50 to \$5 per box; mushrooms, 60 cents to 75 cents per 4-pound basket; tomatoes, 6 cents to 12 cents per pound; radishes, \$1.25 to \$2 per 100 bunches; lettuce (Jersey), 50 cents to \$1 per barrel, other, 15 cents to 30 cents; mint, 50 cents to 60 cents per dozen bunches.

A New Tomato.

The accompanying picture illustrates a new cross of the tomato that shows promise of developing into a valuable variety. J. A. Smith, an agricultural college graduate, has developed this new plant, which is the result of crosses of the Earliana, Ponderosa and



A New Tomato.

Stone, which are all standard varieties containing many desirable characteristics and whose offspring shows promise of combining the good qualities of each of them, namely, the earliness and hardness of the Earliana, the productiveness of the Ponderosa, and the regularity and quality of the Stone. Mr. Smith has been working at this for some time and now believes he has a strain worth growing. He states "the seed of the tomatoes shown in the picture was planted indoors in early spring and transferred to pots as soon as the second leaves appeared. On April 17 they were transplanted to the open ground and kept covered until all danger of frost was past. They

were given no more than ordinary care and not forced in any way.

"The plants matured and ripened their first fruit July 6 in fine condition for immediate table use. With an earlier spring they would have produced ripe fruit by July 1 if not before. This single cluster, thirteen on one main stem, was taken from a plant that contains many like it. The cluster originally contained seventeen tomatoes but four were removed while small to give room for the others to develop. The weight of the cluster is 6½ pounds. The other plants of the lot are equally productive."

It will be interesting to note whether the characteristics of these plants are maintained in the offspring or whether this vigor and productiveness is simply caused by the stimulation of cross-fertilization. C. P. HALLIGAN.

COMMERCIAL ORGANIZATIONS of Stockton, Calif., have taken steps to ship several carloads of onions to eastern cities to be distributed free of charge among the poor because truck gardeners were throwing them into the river as the result of a glutted market.

LANCASTER, O.—M. M. Miesse has completed six greenhouses in the last year and is planning another. Five of the new buildings were 29 feet 6

inches by 235 feet and one 40x200 feet. Concrete walks were laid throughout. Mr. Miesse will make lettuce and tomatoes a specialty. He says lettuce has been very low in price this season, while coal has been high. His Christmas trade was fair.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark, American Spawn Co., St. Paul, Minn

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstowne Junc., N. J.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.

GLADIOLUS FOR FORCING

Specially graded for Florist Forcing, for delivery now.

	Per 100	Per 1000
America, pink.....	\$3.50	\$30.00
Augusta, white.....	2.25	18.00
Mrs. Francis King, scarlet.....	2.75	22.50
Taconic, pink.....	4.50	40.00
Blushing Bride, white, pink blotch.....	.75	6.00

SPIRAEA STRONG CLUMPS, WITH PLUMP EYES

	Per doz.	Per 100
Floribunda.....	\$1.00	\$7.00
Gladstone.....	1.25	9.00

A. HENDERSON & CO.
352 N. Michigan Ave. Phone Randolph 2571 CHICAGO

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS, (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Peas, Radishes, Spinach, Turnips, Swedes, Asters, Balsams, Begonias, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; **LETTUCE**, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.



A. T. PYFER, Manager.

A Little History of Our New Scarlet Carnation "The Herald"



PETER OLSEM, Supt. of Greenhouses.

(Taken from The American Florist, issue of December 28, 1912, page 1330.)

The Herald is the result of a cross between two scarlet seedlings, Nos. 50 and 49. Seedling No. 50 was a seed parent of Harlowarden which was originated by the late James Hartshorne, and was an exceptionally strong, robust grower, producing very fine flowers on short, stiff stems. It was such a fine free bloomer that instead of discarding the variety it was given to a small florist to see what it would do in a small commercial place where it did so well as a commercial carnation that Mr. Hartshorne again secured some of the plants, which were still in his possession at the time of his death. No. 49 was a bright scarlet on long stems, therefore The Herald favors its seed parent in every particular except that it has a longer stem and a brighter color. It was among the first carnations produced by Peter Olsem. The growth is somewhat on the order of Enchantress; very strong and a darker green with thinner grass; a much faster grower, producing fine large flowers on strong, stiff stems which develop much quicker than Enchantress. The plants make a good growth in the field; lift easily and establish themselves in a remarkably short time after lifting.

The Herald is winner over all scarlets the past two years at Cincinnati Flower Show, 1911; St. Paul Flower Show, 1912; Cleveland Flower Show, 1912. Scored 87 points St. Louis, 1912; scored 89 Chicago Florists' Club, 1912.

The Herald is an early, free and continuous bloomer; the most perfect carnation in every way: Long strong stem, strong absolutely non-bursting calyx, large full and well-built flowers, bright clear scarlet. Cuttings strong, well rooted. Guaranteed satisfactory in every respect. **\$12.00** per 100; **\$100** per 1000.



200,000 Rooted Cuttings of the following ready for delivery January 1, 1913.
Place your order now.

	Per 100	Per 1000		Per 100	Per 1000
The Herald , scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink.....	3.00	25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Wodenethe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa , medium pink.....	4.00	35.00	Washington , dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder , pure white.....	3.00	25.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.

30 E. Randolph St.,

CHICAGO, ILL.

PRIMROSES

	Per 100	Per 1000
Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots.....at	\$1 50	\$12 00

ASPARAGUS

Plumosus, 2 1/4 pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

3-inch Pot Plant.....	4 00
-----------------------	------

S. A. Nutt and Poiterine, 2 1/4-in. pots, \$3.00 per 100;
\$25.00 per 1000.

Buchner, \$2.50 per 100; \$20.00 per 1000.

Pansy Plants, giant flowers, \$2.50 per 1000.

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100	Per 1000		Per 100
Spiraea Gladstone.....	\$8.50		Spiraea Superba.....	\$ 6.00
Spiraea Florabunda.....	5.00		Spiraea Queen Alexandra....	10.00

GLADIOLUS FORCING STOCK.

America.....	3.50 per 100,	30.00 per 1000
Mrs. Francis King.....	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

AMITY, ARK.—The Amity Nursery Co. has been incorporated. Capital stock, \$25,000.

SACRAMENTO, CALIF.—Half a million fruit trees will be planted in this country this winter and spring, according to the estimate of Horticultural Commissioner Bloomer.

KANSAS CITY, MO.—F. H. Weber of Nursery was elected president of the Western Association of Nurserymen at the twenty-third annual convention held in this city December 11.

RENO, NEV.—Prof. Kennedy of the agricultural department of the state university will ask the legislature to make a horticultural survey of the state to determine the availability of various valleys for the growing of fruit.

Quarantine Inspection Officials.

The following are announced as state inspection officials under the new plant quarantine act:

Alabama: State Horticulturist, Alabama Polytechnic Institute, Auburn, Ala.

Alaska: Special Agent in Charge, Alaska Agricultural Experiment Station, Sitka, Alaska.

Arizona: Chairman, Horticultural Commission, Phoenix, Ariz.

Arkansas: State Inspector, Fayetteville, Ark.

California: Horticultural Quarantine Officer, Room 11, Ferry Building, San Francisco, Calif.

Colorado: Entomologist, Colorado Agricultural Experiment Station, Fort Collins, Colo.

Connecticut: State Entomologist, New Haven, Conn.

Delaware: Secretary, State Board of Agriculture, Dover, Del.

Florida: Inspector of Nursery Stock, Florida Agricultural Experiment Station, Gainesville, Fla.

Georgia: State Entomologist, Atlanta, Ga.

Guam: Special Agent in Charge, Guam Agricultural Experiment Station, Island of Guam (via San Francisco).

Hawaii: Entomologist, Hawaii Agricultural Experiment Station, Honolulu, Hawaii.

Idaho: State Horticultural Inspector, Boise, Idaho.

Illinois: Chief Horticultural Inspector, Urbana, Ill.

Indiana: State Entomologist, Indianapolis, Ind.

Iowa: State Entomologist, Iowa State College, Ames, Iowa.

Kansas, North: Entomologist, Kansas Agricultural Experiment Station, Manhattan, Kans.

Kansas, South: Entomologist, University of Kansas, Lawrence, Kans.

Kentucky: State Entomologist, Kentucky Agricultural Experiment Station, Lexington, Kentucky.

Louisiana: Entomologist, State Board of Agriculture and Immigration, Baton Rouge, La.

Maine: State Horticulturist, Augusta, Me.

Maryland: State Entomologist, College Park, Md.

Massachusetts: State Nursery Inspector, Amherst, Mass.

Michigan: State Inspector of Nurseries, East Lansing, Mich.

Minnesota: State Entomologist, St. Anthony Park, Minn.

Mississippi: Entomologist, Agricultural College, Miss.

Missouri: Entomologist, University of Missouri, Columbia, Mo.

Montana: Montana State Board of Horticulture, Missoula, Mont.

Nebraska: Assistant State Entomologist, University of Nebraska, Lincoln, Nebr.

Nevada: Entomologist, Nevada Agricultural Experiment Station, Reno, Nev.

New Hampshire: Secretary State Board of Agriculture, Concord, N. H.

New Jersey: State Entomologist, New Brunswick, N. J.

New Mexico: Horticulturist, New Mexico Agricultural Experiment Station, State College, New Mexico.

New York: Commissioner of Agriculture, Albany, N. Y.

North Carolina: State Entomologist, State Department of Agriculture, Raleigh, N. C.

North Dakota: Director, North Dakota Agricultural Experiment Station, Agricultural College, N. Dak.

Ohio: Chief Inspector, Ohio Department of Agriculture, Columbus, Ohio.

Oklahoma: Secretary, State Board of Agriculture, Oklahoma City, Okla.

Oregon: Secretary, State Board of Horticulture, Portland, Ore.

Pennsylvania: Chief Nursery Inspector, Harrisburg, Pa.

Porto Rico: Entomologist, Porto Rico Agricultural Experiment Station, Mayaguez, P. R.

Rhode Island: State Nursery Inspector, Kingston, R. I.

South Carolina: State Entomologist, Clemson College, S. C.

South Dakota: Entomologist, State College of Agriculture, Brookings, S. Dak.

Tennessee: State Entomologist, Knoxville, Tenn.

Texas: Chief Inspector, Houston, Tex.

Utah: State Horticultural Inspector, Salt Lake City, Utah.

Vermont: State Nursery Inspector, Burlington, Vt.

Virginia: State Entomologist, Blacksburg, Va.

Washington: Commissioner of Horticulture, Tacoma, Wash.

West Virginia: Director, West Virginia Agricultural Experiment Station, Morgantown, W. Va.

Wisconsin: Entomologist and Chief Nursery Inspector, College of Agriculture, Madison, Wis.

Wyoming: Secretary, State Board of Horticulture, Laramie, Wyo.

Rochester, N. Y.

HOLIDAY TRADE SATISFACTORY.

Business for the week of Dec. 15-21 and over the holiday was very satisfactory. Very little stock was left on hands. An especially good selection of plants was exhibited and sold quickly. Poinsettias were probably the best ever raised here. Cut flowers were scarce, until about December 23, then they came in in fine shape and made good prices. Red carnations were the scarcest and only a few could be obtained, even at high prices. American Beauties were not overly good, even those offered at high figures. Killarneys, Lady Hillingdon, My Maryland, etc., sold at \$3 a dozen, while Richmonds brought anywhere from \$3 to \$7 a dozen.

NOTES.

Harry Merritt of Irondequoit is growing some very choice Delight and White Wonder carnations. Some of the stems measure from 40 to 45 inches long and they are good strong stems too.

A surprise dinner was given by the employees at James Vick's Sons' establishment to William H. Dildine, secretary of the company, on December 24.

Christmas day was marked by the heavy amount of funeral work.

HOUSTON, TEX.—The mid-winter meeting of the Texas State Horticultural Society will be held here January 16-17.

PLATTEVILLE, WIS.—W. A. Schaeffer, of the Platteville Floral Co., reports a fine Christmas trade, having sold out all his blooming plants and a large supply of cut flowers.

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids, Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Ivies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.
Chestnut Hill, PHILA., PA.

MANETTI STOCKS.

Well rooted, English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.



Seasonable Plants

By the thousand all the winter through.

Godfrey Aschmann's quality, such as described below, now in prime condition.

AZALEAS.

Azaleas in Bloom, assorted colors, 75c to \$1.00; \$1.25 to \$1.50.

For Easter Blooming and for Easter we have the well-known American varieties, such as Mme Van der Cruyssen, best pink; Paul Weber, De Schryveriana, John Llewellyn, Niobe (white), Apollo (red), and a few more good sorts. Deutsche Perle, Simon Mardner, Verveaneana. Price 50c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00.

No profit is made on Azaleas any more; therefore only **cash with order** will be accepted.

FERNS. Our Ferns Are All Pot-Grown.

The growing of Nephrolepis for the past five years has been one of our leading specialties. We have three houses, which were rebuilt this summer, especially adapted for the growing of first-class stock. **Ferns do not do well in old houses.** They need houses with plenty of sun and good, fresh, sweet air. Old dark houses bring fungus and make spindly plants.

Neph. Glatrasii. This is a new fern, very graceful, of weeping habit, short and bushy, very much admired by every one who has bought it. 4-5 1/2-6 in. pots, 25c, 35c, 40c and 50c.

Neph. Whitmani. 4-in., 20c; 5 1/2 to 6-in. pots, 30c, 35c, 40c and 50c; 7-in., 75c.

Neph. Scottii. 4-in., 20c; 5-in., 35c; 5 1/2 to 6-in., 40c to 50c; 7-in., 75c.

Boston. 7-in., as big as a washtub. \$1.00, worth \$1.50; 7-in., medium size, 75c; 5 1/2 to 6 in., 40c to 50c; 5-in., 35c.

Neph. Elegantissima Compacta. 6-in., 50c.

Neph. Scholzell. 7 in., as big as a bushel basket. \$1.00; 7-in., medium size, 75c; 6-in., 50c; 4-in., 25c.

Cyr. Falcatum or **Holly Fern**, Everybody looks for Holly Ferns. We have large 4-in., 20c to 25c. 6-in. pans (azalea pots), made up of 3 large **Boston Ferns**, now very bushy, 35c, 40c to 50c per pan.

We have a big assortment of 2 1/2-in. **Dish Ferns**, now ready, \$4.00 per 100; 3-in., \$7.00 per 100.

6-in. pans made up of 3 in. **Wilsoni Ferns**, very attractive. Look! only 25c per pan for three big plants.

Asparagus Plumosus and **Sprengeri**, large 4-in., \$10.00 per 100 (or 10c).

Asparagus Plumosus, 2 1/2-in., \$3.00 per 100; 5 1/2-in., made up of three 4 in., 15 in. high six weeks ago, 35c to 40c.

Asparagus Sprengeri, 2 1/2-in., \$3.00 per 100.

Ficus Elastica, Belgium or American stock, 5 1/2-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c.

Aspidistras, variegated, 6-in. pots, 15c per leaf; green, 6-in. pots, 10c per leaf. Plants have from 5 good leaves upward to 10 leaves.

Araucarias Our Specialty.

Araucaria Excelsa.

We are well prepared: have many thousands of them, the choicest stock Belgium could furnish us, and will be able to supply all wants in all sizes and prices. 5 1/2, 6 and 7 in. pots 3, 4, 5, 6 and 7 tiers. 12-14-16-18-20-25-30-40-50 in. high. Prices reduced one half. 40c, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50, \$2.00 to \$2.50 each.

Cash with order, please. 25 sold at 100 rates.

All plants must travel at purchaser's risk.

Please state if pots are wanted.

Wholesale Grower and Importer of Potted Plants,
1012 W. Ontario Street,

Begonia Glorie de Lorraine.

Our special treatment makes the flowers very bright. We have the **Bright Red** and the **Pink Lonsdale**.

We also have the finest **Begonia Glory of Cincinnati**, in bloom. 5 1/2 to 6-in. pots, 50c, 60c, 75c, \$1.00 to \$1.50; 4-in. pots, 35c to 40c.

Begonia Argentina Cristata, 4-in., 20c.

Now is the time to force **Hydrangea Otaksa**, pot-grown. Remember, only pot-grown stock, like ours, will force successfully. 5 1/2-6-7-in. pots, 25c-35c-50c.

Primula Obconica Grandiflora, good strain, assorted, 4-in., 10c to 15c. Very bushy plants. 5 1/2 in., in bloom, \$3.00 per doz.; no flowers, 20c.

Primula Chinensis, John F. Rupp strain, in bloom assorted. 5 1/2-in., only \$2.50 per doz.

Jerusalem Cherries (Solanum). 6-in., 25c, 35c, 50c; well berried, big plants only.

Queen Alexandra Daisies, pure white, good Easter Daisy, 2 1/2-in. pots, strong, \$4.00 per 100; 3-in., \$6.00 per 100; 4-in., 15c.

Poinsettias, 4-in., 20c to 25c; 5 1/2-in., 35c to 40c, 5 1/2-in., with Asparagus Plumosus or Sprengeri around, 35c.

Dracaena Terminalis, 4-in. 25c; 5 1/2-in., 40c to 50c; 7-in. pots, combination, 3 to 4 plants in a pot, well colored up. Asparagus Sprengeri or Ferns around; very fine; only \$1.00, worth double the amount.

Hydrangea Otaksa for Easter blooming (force now.) We have the pot-grown, 5 1/2, 6 and 7 in. pots at 25c, 35c, 50c to 75c.

GODFREY ASCHMANN,

Philadelphia, Pa.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES,

Natick, Mass.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers. FISH KILL New York

Mention the American Florist when writing

SUNBURST

Extra Choice Young Plants own root in 2 1/2-in. pots.
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100—Ready January 1st.

BASSETT & WASHBURN

Office, 131 No. Wabash Ave.

CHICAGO

Greenhouses,

HINSDALE, ILL.

The Early Advertisement Gets There

**Read What Our Customers Say
About This Grand Commercial
Variety:**

EVANSTON, ILL., Nov. 7, 1911.
STEVENS GLADIOLI CO.,
Saginaw, Mich.

Gentlemen: I have grown your
Pink Augusta for the last two years,
and it is a good indoor grower.
Sells well with us. Please send me
another thousand bulbs. Also a
list of your other varieties.

Yours truly,
JOHN WEILAND.

New Forcing

Gladiolus Pink Augusta

Best early forcing light pink variety, each bulb produces two or three spikes in succession, fine for sprays or decorating, \$2.50 per 100. \$20.00 per 1000; a few extra selected bulbs, \$2.75 per 100; \$25.00 per 1000. CASH. Also, Augusta, Francis King, Madame Monneret, Taft, Klondyke, Florists' Mixture. Send for Trade List, with Testimonials.

STEVENS' GLADIOLI CO., Saginaw, W. S., Mich.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Ferns for Dishes

Best varieties, 2 1/4 in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,
4911 Quincy St., CHICAGO

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.

Bloomsburg, Pa.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Mention the American Florist when writing

Dallas, Texas.

The Texas Seed & Floral Co. reports an increase of 75 per cent in the Christmas trade. Prices were practically the same. The supply of cut stock was inadequate. Both the supply and demand in bulbous flowers were large. The quality of stock was much better than last season. There was a marked increase in the call for American Beauties and poinsettias. Azaleas and cyclamen sold in increased quantities also. Trade conditions in Texas helped boom the Christmas sales. The Texas Seed & Floral Co.'s two stores, one a strictly cut flower shop, made this firm's business greater than last year when it had but one. Their cut flowers were all sold before they were received.

Tuberous Rooted Begonias

Splendid imported bulbs now at hand—an early date—grown from large flowering strains.



	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink.....	.40	\$2.50	\$22.00
Single sorts—mixed.....	.35	2.25	20.00
Double "—white, scarlet, yellow, pink.....	.65	\$4.50	\$40.00
Double sorts—mixed.....	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors.....	.60	\$3.50	\$30.00
Choice mixture.....	.50	3.20	28.00

Vaughan's Seed Store
CHICAGO NEW YORK

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.
Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.
Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.
Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.
Cibotium Schiedeii 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.
Fern Dish Ferns, all the best sorts including **Cyrtomium Falcatum**, and **Aspidium Tsussimense**, \$3.00 per 100; \$25.00 per 1000.
Bargain Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.
Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

THE STORRS & HARRISON CO. - Painesville, Ohio.

Geraniums Coleus

ROOTED CUTTINGS ONLY.

GUARANTEED STOCK:—I ASSUME ALL RISKS.

S. A. NUTT, \$12.50 per 1000
RICARD, 15.00 " "
POITEVINE, 15.00 " "

Next delivery Jan. 27th.

Red, Yellow and general
assortment at \$6 per 1000
Giant leaved, \$1.50 per 100

Next delivery Jan. 14th.

ALBERT M. HERR, Lancaster, Pa.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted per 100, \$30.00 Per 1000, \$250.00
Own Root " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted per 100, \$20.00 Per 1000, \$150.00
Own Root " " 12.00 " " 100.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings.....per 100, \$3.50 Per 1000, \$30.00

MRS. CHAS. RUSSELL

Grafted.....per 100, \$35.00 Per 1000, \$300.00
Own Root..... " " 30.00 " " 250.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire)

RADIANCE, MRS. AARON WARD, LADY HILLINGDON, RICHMOND

Grafted per 100, \$15.00 Per 1000, \$120.00
Own Root " " 7.50 " " 60.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLORA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2 1/4-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Minta, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagraver. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches..... \$20 00
Otaksa, with 4 branches..... 15 00
Otaksa, with 3 branches..... 12 00
Otaksa, with 2 branches..... 10 00
Thos. Hogg, with 5 and 6 branches 20 00
Souvenir de Claire, with 7 and 10 branches..... 25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

Mention the American Florist when writing

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Mention the American Florist when writing

Fine Decorative Plants

A Big House of Choice Kentias

From 4 inch to 10-inch, at 50c to \$10.00 each.

A full line of extra strong Decorative Palms in all sizes from 4-inch pots to 12-inch tubs
Prices on Application.

Table Ferns.

SPECIAL—For short time only, in order to make room, we offer a large stock of extra fine TABLE FERNS, 12 varieties, 2 1/4 inch. \$30.00 per 1000; \$3.50 per 100; 500 at thousand rate; 3-inch, \$6.00 per 100; \$55.00 per 1000; 500 at thousand rate.

Pandanus Veitchi, Fine colored stock.

5-inch.....\$1 00 each \$ 9 00 per doz.
6-inch..... " 50 each; 18 00 per doz.
7-inch.....\$2 00 to 2 50 each; 24 00 per doz.

Dracaena Massangeana.

Well colored, 6-inch, \$1.25 to \$1.50 each.

Araucaria Excelsa.

3 to 4 tiers, fine stock, 50c; \$5.00 per dozen.
4 to 5 tiers, fine stock, 75c to \$1.00 each.

Phoenix Roebeleni.

Strong 4-inch, 50c; \$5.00 per dozen. Strong 3-inch, short and bushy, just the thing for center dishes, 25c; \$2.50 dozen.

Extra Fine Rubber Plants.

6-inch.....75c to \$1.00 each

FERNS. Boston and Whitemani Ferns.

The stock for size and quality cannot be surpassed. We offer now fine established stock in following sizes: Each Per doz. Per 100

6-inch.....\$0 55 \$ 7 00 \$50 00
7-inch..... 0 75 9 00
8-inch..... 1 00 12 00
10-inch..... 2 50 30 00
12-inch..... 3 50

Cyclamen—5-inch... 0 50 5 00
6-inch... 0 75 7 50
7-inch... 1 00 to 1 50 each.

Palms—Areca Lutescens, 7-in, \$2 00 each

Ficus Pandurata, 7-in., 5 ft. high, \$4 50 each

Send All Plant Orders Direct to

Poehlmann Bros. Co.

Plant Department

Morton Grove, Illinois

Index to Advertisers.

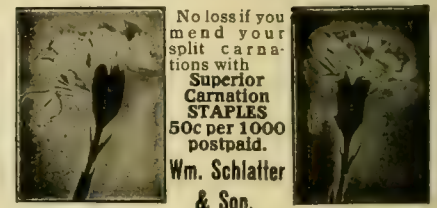
- Advance Co The.....1426
 Albany Cut Flower Ex.....1401
 Alpha Floral Co.....1403
 American Spawm Co.....1414
 Amling E C Co.....1397
 Anderson S A.....1403
 Andorra Nurseries.....1316
 Angermueller G H.....1398
 Anger Mfg Co.....1428
 Archias Floral Co.....1406
 Aschmann Godfrey.....1317
 Atlanta Floral Com-
 mission Co.....1398
 Atlanta Floral Co.....1404
 Auburndale Gold
 Fish Co.....1396
 Bader Jno & Co.....1410
 Barrows H H & Son.....1413
 Bassett & Washburn
1395 1417
 Batavia Greenhouse
 Co.....1396
 Baur Window Glass
 Co.....1426
 Bauser John.....1387
 Bayersdorfer H.....1425
 Beaven E A.....1402
 Begerow's.....1406
 Berger Bros.....1398
 Berning H G.....1398
 Bertermann Bros Co.....1404
 Bobbink & Atkins.....1416
 Boddington A T.....II
 Bodger J & Sons Co.....II
 Boland J B Co.....1403
 Bolgiano J & Sons.....II
 Rowe M A.....1405
 Bramley & Son.....1406
 Brant S D.....1418
 Braslan Seed Grow
 Co.....1408
 Breitmeyer's Sons.....1404
 Brown Alfred J Seed
 Co.....1408
 Bruns H N.....II
 Buchbinder Bros.....1424
 Buckbee H W.....1406
 Budlong J A.....1396
 Burpee W A & Co.....1410
 Caldwell the Woods-
 man Co.....1402
 California Seed Grow
 Assn.....1408
 Camp Conduit Co.....III
 Carbone Philip L.....1406
 Chicago Carn Co.....I 1415
 Chicago Flower
 Growers Assn.....1388
 Chicago House
 Wrecking Co.....1425
 Clark E B Seed Co.....II
 Clark's Sons David.....1405
 Cleveland Cut
 Flower Co.....1405
 Conard & Jones.....1413
 Cooke Geo H.....1403
 Cottonsaw Geo & Co.....1402
 Cowee W J.....1424
 Coy H C Seed Co.....1410
 Craig Robt Co.....1419
 Critchell C E.....1399
 Cross Eli.....1413
 Cunningham Jos H.....1415
 Dailledouze Bros.....1413
 Dammann & Co.....1409
 Daniels & Fisher.....1405
 Dards Chas.....1404
 Deamud J B Co.....1390
 Denafie & Son.....1418
 Derby Henry.....1424
 Detroit Flower Pot
 Mfg.....III
 Dietsch A & Co.....IV
 Diller Caskey &
 Keen.....1428
 Dillon J L.....1418
 Dingee & Conard Co.....1412
 Dornier F & Sons.....1402
 Dreer H A.....1412 1425 III
 Duerr Chas A.....1406
 Dunlop John H.....1405
 Dwell - Kaiser Co
 The.....1426
 Edwards Folding
 Box.....1420
 Elk Galax & Fern
 Co.....1402
 Emmans Geo M.....1412
 Erie Floral Co.....I
 Erne & Klingel.....1394
 Esperance L Nurs.....1416
 Ever Ready Flower
 Pot Cover Co.....1396
 Eyres H G.....1405
 Fish Henry Seed Co.....1410
 Florists' Hall Assn.....1425
 Foley Mfg Co.....IV
 Fottler, Fiske,
 Rawson Co.....II
 Franklin Plant Farm.....1414
 Franzen F O.....1410
 Freeman Mrs J B.....1406
 Freeman & Sons S.....1428
 Froment H E.....1401
 Galvin Thos F.....1405
 Garland GM.....1427
 Gasser J M Co.....1405
 Geny Bros.....1406
 Gibling & Co.....1428
 Godineau R M.....1409
 Goodfellow Jas H
 Mfg Co.....1427
 Gorham & Chapin.....1424
 Grand Rapids
 Flower Co.....1405
 Groves Robert.....1402
 Gude Bros.....1404
 Gutman Alex J.....1401
 Hatcher, Florist.....1406
 Haven Seed Co The.....1409
 Heacock Jos Co.....1407
 Heini John & Son.....1403
 Henderson A & Co.....1414
 Herr Albert M.....1418
 Herrmann A.....1424
 Hess & Swoboda.....1404
 Hews A H & Co.....1411
 Hilfinger Bros.....III
 Hill E G & Co.....1387
 Hines E Lumber Co.....1425
 Hittchings & Co.....1426
 Hoerber Bros.....1397
 Hoffman Flo Artist.....1405
 Hoffmeister Flo Co.....1399
 Holm & Olson.....1404
 Holton & Hunkel Co.....1398
 Home Cor School.....1418
 Hooker H M Co.....1425
 Hurff Edgar F.....1410
 Igoo Bros.....1420
 Illinois Pipe Mfg Co.....1428
 Isbell S M & Co.....II
 Jackson & Perkins.....1416 1419
 Johnson J Oliver.....1409
 Johnson WW & Son.....1409
 Johnston Glass Co.....1426
 Jones Percy.....1390
 Kasting W F Co.....1399
 Keller Geo & Sons.....III
 Keller JB & Sons.....1406
 Kellogg Geo M.....1403
 Kennicott Bros.....1392
 Kervan Co The.....1401
 Kessler W A.....1401
 Kift Robt.....1405
 King Construct Co.....1427
 Kohr A F.....III
 Kramer I N & Son.....III
 Kroeschell Bros Co.....1424
 Kruchten John.....1397
 Kuehn C A.....1398
 Kuhl Geo A.....1412
 Kyle & Foerster.....1397
 LaCrosse Floral Co.....1403
 Lager & Hurrell.....I
 Lange A.....1403
 Landreth Seed Co.....II
 Lecakes N L & Co.....1401
 Lederer.....1424
 Leedle Floral Co.....1412
 Lehman Bros.....1427
 Leonard Seed Co.....1409
 McCallum Co.....1399
 McConnell Alex.....1403
 McCoy L W.....1406
 McCullough's J M
 Sons Co.....1399
 McHutchinson & Co.....II
 McKellar Chas W.....1396
 McKenna P & Son.....1405
 Mailander W M.....1420
 Mangel.....1403
 Mann Otto.....1409
 Matthews Florist.....1405
 May & Co L L.....1403
 Meconi Paul.....1401
 Mette Henry.....1414
 Metropolitan Mat
 Co.....1427
 Meyer John C & Co.....1402
 Michigan Cut Flower
 Exchange.....1402
 Miller E S.....1409
 Moninger J C Co.....IV
 Montreal Floral Ex.....1399
 Moore, Hentz &
 Nash.....1401
 Morehead Mfg Co.....1425
 Mt Gilead Pottery
 Co.....III
 Munk Floral Co.....1399
 Murray Samuel.....1404
 Myers Florist.....1406
 Nat Flo B of Trade.....1425
 N Y Cut Flower Ex.....1401
 Niessen Leo Co.....1399
 Oechslin Frank.....1418
 Oklahoma Seed Gro
 Co.....1407
 Palmer W J & Son.....1404
 Park Floral Co.....1404
 Parker John L.....1406
 Peacock Dahlia Fmsl.....1414
 Pedrick Geo & Son.....1410
 Pelicano, Rossi &
 Co.....1404
 Pennock-Meehan Co.....1401
 Penn the Florist.....1404
 Peters & Reed Poty III
 Peterson & Sons J A I
 Pierson A N (Inc).....1407 1419
 Pierson F R Co.....I 1410
 Pieters & Wheeler
 Seed Co.....1408
 Pillsbury I L.....1424
 Pinkston Jas E.....1402
 Pittsburg Cut Flo Co.....1399
 Podesta & Baldocchi.....1405
 Poehlmann Bros Co.....1389 1419
 Pollworth C C Co.....1398 1405
 Pulverized Manure
 Co.....1428
 Quaker City Machine
 Works.....1420
 Raedlein Basket Co.....1394
 Randall A L Co.....1397
 Randolph & Mc
 Clements.....1425
 Ratekin's Seed H'sel.....1409
 Rawlings Elmer.....1410
 Ready Reference.....1421
 Reed & Keller.....1425
 Regan Ptg House.....1428
 Reid Edw.....1399
 Reinberg Geo.....1397
 Reinberg Peter.....1391
 Reuter Chris.....1409
 Rice Bros.....1398
 Rice & Co, M.....1402
 Robinson J C Seed Co.....II
 Rock W L Co.....1404
 Roemer Fred.....1409
 Rohnert Seed Co.....II
 Routzahn Seed Co.....II
 Rusch G & Co.....1398
 Saakes O C.....1405
 Saltford Flow Shop.....1404
 Scheel F F.....1410
 Schilder Bros.....1409
 Schiller, the Florist.....1406
 Schillo Adam.....1420
 Schlatter W & Son.....1420
 Schling Max.....1406
 Schmidt J C.....1413
 Schulz Jacob.....1404
 Scott John.....1405
 Shaffer Geo C.....1405
 Sharp Partridge & Co.....1426
 Siebrecht & Sie-
 brecht Inc.....1401
 Situation & Wants.....1385
 Skidelsky S S & Co.....1409
 Smith A W & Co.....1405
 Smith ED & Co.....1412
 Smith & Hemenway.....1424
 Smith Henry.....1405
 Smith Wm C.....1398
 Smith W & T Co.....I
 Stearns Lumber Co.....1424
 Stevens Gladioli Co.....1418
 Stoothoff H A Co.....1428
 Storrs & Harrison.....1415 1418
 Sunlight Dble Glass
 Sash Co.....1428
 Superior Machine
 & Boiler Works.....1426
 Syracuse Pottery Co III
 Taylor Steam Trap
 Co.....1428
 Texas Seed & Flower
 Co.....1403
 Thompson Car Co.....1417
 Thorburn J M & Co.....1409
 Totty Chas H.....1412
 Trimble W E
 Greenhouse Co.....1397
 Valentine Frank.....1403
 Vaughan A L & Co.....1392
 Vaughan's Seed Store I
 1394 1409 1411 1413
 1418 1425 III
 Vestals.....1406
 Vick's Sons Jas.....1412
 Vincent R Jr.....I 1414
 Virgin U J.....1406
 Waban Rose Cons.....1417
 Wagner Park Cons.....III
 Walker F A & Co.....1406
 Ward & Co, R M.....II
 Watkins & Simpson.....1410
 Weitand & Risch.....1397
 Welch Bros.....1399
 Western Seed &
 Irrigation Co.....1409
 Wietor Bros.....1393 1397
 Wilks S Mfg Co.....1426
 Williams Mrs E A.....1406
 Wilson R G.....1403
 Winandy M & Co.....1420
 Windler Wholesale
 Florist Co.....1398
 Wittbold G Co.....1403
 Wittbold Henry.....1394
 Witskill Bros &
 Morris Goldenson.....1405
 Wood Bros.....1417
 Woodruff S D & Son.....1410
 Yokohama Nurs Co.....II
 Young & Nugent.....1403
 Zech & Mann.....1397
 Ziska Jos.....1397



Wm. Mailander Greenhouse Contractor Morton Grove, Ill.

Estimates for greenhouse construction work in
1913 can be furnished now.

Mention the American Florist when writing



Mention the American Florist when writing

Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97, May 17, '98

GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.
BROOKLYN, N. Y.

Mention the American Florist when writing

THE EARLY ADVERTISE- MENT GETS THERE.



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works.
Richmond, Ind.

Mention the American Florist when writing

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.
6236 N. Lincoln St. CHICAGO
Telephone Ravenswood 607.

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value
of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices.
Pecky Cypress, because of its durability, is the only wood now being used
for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO. Hawthorne and Weed Sts.,
CHICAGO.

L.D. Phones: Lincoln 410 and 411

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



ARAUCARIAS.

Araucarias, excelsa, 3 to 4 tiers, 50c; \$5 per doz.; 4 to 5 tiers, 75c to \$1. Poehlmann Bros. Co., Morton Grove, Ill.

Araucarias. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucarias, 5-in., 50c each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus, Hatcheri, 15c each; \$1 per doz.; \$7 per 100; \$65 per 1,000. Plumosus and Sprengeri, seedlings, 85c per 100; \$6 per 1,000; 2-in., 50c per doz.; \$3 per 100; \$25 per 1,000; 2½-in., 60c per doz.; \$4 per 100; \$35 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus and Sprengeri, 4-in., \$10 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 4-in., \$2 per 100. Plumosus, 2½-in., \$3 per 100; Sprengeri, 2½-in., \$3 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus nanus, 2½-in., \$4 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2½-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2½-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus plumosus, 2½-in., \$3 per 100; \$25 per 1,000. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Asparagus plumosus, 2½-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. V.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

Asparagus plumosus, 4-in., \$10 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

ASPIDISTRAS.

Aspidistras, variegated, 6-in. pots, 15c per leaf. Green, 10c per leaf. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Aspidistras, 5 and 6-in. pots, green, 10c per leaf. Variegated, 15c per leaf. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas at from 75c to \$1, all colors. Poehlmann Bros. Co., Morton Grove, Ill.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine, and Lonsdale, pink, 5½ to 6-in., 50c, 75c to \$1. Glory of Cincinnati, 5, 5½ to 6-in., 50c, 75c, \$1, \$1.25, \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Begonia Glory of Cincinnati, 2½-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonia Glory of Cincinnati, in full bloom, 50c to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Begonia Glory of Cincinnati, 4-in., 65c each; \$6.50 per doz.; \$50 per 100. Gloire de Lorraine, 5-in., in bud, 85c each; \$9 per doz. Vaughan's Seed Store, Chicago and New York.

BOXWOOD.

Boxwoods. For sizes and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spireas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Painesville, O.

Bulbs, Gladiolus Pink Augusta, \$2.50 per 100; \$20 per 1,000. A few extra selected bulbs, \$2.75 per 100; \$25 per 1,000. Also Augusta, Francis King, Mme. Monneret, Taft, Klondyke, Florists' mixture. Stevens' Gladioli Co., Saginaw, W. S., Mich.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, lillium multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, Lillium longiflorum multiflorum, 7-9 ins. Write for prices. The Yokohama Nursery Co., Ltd., 31 Barclay St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Bulbs, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs, Gladiolus and spirea. For varieties and prices see advertisement elsewhere in this issue. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs, cold storage lilies. C. C. Pollworth Co., Milwaukee, Wis.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

CANNAS. Fine 2 to 3 Bulbs.
Sec. Chabane \$1.50 per 100
Robusta 1.00 per 100
Paul Marquant 2.00 per 100
Mlle. Berat 2.50 per 100
Pres. Cleveland 2.50 per 100
Pennsylvania 3.00 per 100
C. F. Read 3.00 per 100
Henry George 4.00 per 100
Chas. Henderson 4.00 per 100
Papa Nardy 5.00 per 100
Marvel 5.00 per 100
David Harum 5.00 per 100
King Humbert 7.00 per 100
Cinnabar 1.00 per 100
Mixed 1.00 per 100
WAGNER PARK CONSERVATORIES,
Sidney, O.

CARNATIONS.

CARNATION CUTTINGS.

For January delivery.

	Per 100	Per 1,000
Wodenesthe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress	2.50	20.00

J. D. THOMPSON CARNATION CO.
JOLIET, ILL.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

FIELD-GROWN CARNATION PLANTS.

Strong, Sturdy, Healthy.

	Per 100	Per 1,000
Enchantress	\$6.00	\$55.00
Washington	6.00	55.00
White Lawson	4.00	35.00
Winsor	4.50	40.00
Victory	5.00	45.00
White Perfection	6.00	55.00

VIETOR BROS.,

162 N. Wabash Ave., Chicago.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, strong, healthy stock out of sand, Winsor, Victory, \$1.50 per 100; \$13 per 1,000; White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000; White Enchantress, \$2.50 per 100; \$22 per 1,000. 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Field-grown carnation plants, OUR SPECIALTY. Comfort, \$8 per 100; \$75 per 1,000. Plants guaranteed to be first-class in every respect. Plants now ready for shipment. S. M. Merwarth & Bros., Easton, Pa.

Geranium Scarlet Bedder, 3-in. pots, \$1.50 per ten; \$12.50 per 100; \$100 per 1,000. Elmer D. Smith & Co., Adrian, Mich.

Carnations. For prices and varieties see advertisement elsewhere in this issue. Chicago Carnation Co., 30 E. Randolph St., Chicago.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailedouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, O. P. Bassett, White Enchantress, Enchantress, \$5 per 100. Bassett & Washburn, Hinsdale, Ill.

Carnations. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. A. M. Herr, Lancaster, Pa.

Carnations. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

CHRYSANTHEMUMS.

Stock Plants.

	Per doz.	Per 100.
Chrysolora	\$1.50	\$10.00
Timothy Eaton	.60	3.00
Yellow Eaton	.60	3.00
H. W. Chadwick	.60	3.00
Col. Appleton	.60	3.00
Godfrey's Eclipse	.75	4.00
J. K. Shaw	.60	3.00
Wm. Duckham	.60	3.00
Intensity	.60	3.00
Beatrice May	.75	4.00
Donatello	1.00	6.00
F. E. Nash	.75	4.00
Pres. Taft	.60	3.00
F. S. Vallis	.75	4.00
Mrs. C. J. Neil	.75	4.00
Wells Late Pink	.75	4.00
Pres. Roosevelt	.75	4.00
A. J. Balfour	.75	4.00
Mayor Weaver	.75	4.00
Maj. Bonaffon	.60	3.00
White Bonaffon	.60	3.00
Mrs. H. W. Robinson	.60	3.00

LA CROSSE FLORAL CO.

LA CROSSE,

WIS.

Chrysanthemum stock plants, Josephine, good early yellow; all over when Bonaffon comes, \$7 per 100. Major Bonaffon, best late yellow, Polly Rose, best early white, Advance, \$2.50 per 100. Diana, best white pompon, \$4 per 100; will sell 10 at 100 rate. Cash. C. L. Humphrey, Zanesville, O.

Chrysanthemums, stock plants; Chrysolora, \$3 per doz.; \$15 per 100. Crocus, \$2 per doz.; \$10 per 100. Smith's Advance, \$2 per doz.; \$10 per 100. Unaka, \$2 per doz.; \$10 per 100. Bassett & Washburn, Hinsdale, Ill.

Chrysanthemums, stock plants, Smith's Advance, \$3.50 per 100; Golden Glow, \$3.50 per 100; White Chadwick Improved, \$5 per 100; Yellow Bonaffon, \$3.50 per 100. Benjamin Avenue Nursery, Grand Rapids, Mich.

Chrysanthemums, stock plants, Smith's Advance, 75c per doz.; \$4 per 100. Mrs. David Symes, Unaka (pink), Chrysolora (yellow), \$1 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CINERARIAS.

Cineraria Hybrida, 2-in., \$5 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, Vaughan's Giant flowered, 4-in., 40c each; \$4 per doz.; \$30 per 100. Vaughan's Seed Store, Chicago and New York.

Cyclamen, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$7.50 per doz.; 7-in., \$1 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

DAHLIAS.

DAHLIAS. Undivided Field Clumps.

Snowflake	\$1.00	per doz.	\$6.00	per 100
Snowclad	.75	"	4.00	" 100
J. H. Roach	.75	"	4.00	" 100
Olympia	.75	"	4.00	" 100
Countess of Lonsdale	1.00	"	6.00	" 100
C. W. Bruton	.75	"	4.00	" 100
Earl of Pembroke	.50	"	3.00	" 100
Penelope	.75	"	4.00	" 100
Eclipse	.75	"	4.00	" 100
Arabella	.75	"	4.00	" 100
Black Beauty	.50	"	3.00	" 100
Mixed	.50	"	3.00	" 100

WAGNER PARK CONSERVATORIES,
Sidney, O.

DAISIES.

Daisy Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Daisies, Sander, 2½-in., \$5 per 100. Queen Alexandra, 2½-in., \$4 per 100. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DRACAENAS.

Dracaenas, Brunt, Linden, Massangeann, Striata and Terminalis. Write for prices. Vaughan's Seed Store, Chicago and New York.

Dracaena terminalis, 4-in., 25c each; \$2.50 per doz.; 5-in., 50c each; \$5 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena massangeana, 6-in., \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena indivisa, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

DWARF FERNS FOR FERN DISHES.

These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties. 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica Victoria.
albo-lineata, Aspidium tsussimense.
Wilsoni Sieboldii.
Mayi Wimssetti.

Pteris multiceps

Cyrtomium falcatum or holly fern.

Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,
Largest rose growers in the world.
SPRINGFIELD, OHIO.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

BOSTON FERNS, 4-in. pot-grown plants, 15c; out of bench ready for 5-in., 12½c; 2½-in. pot plants, 2½c. Cash. C. L. Humphrey, Zanesville, O.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Pteris Wimssetti, 10,000 extra strong 2-in., \$3 per 100; \$25 per 1,000. J. F. Kidwell & Brother, 3806 Wentworth Avenue, Chicago, Ill.

Table ferns, 12 varieties, 2½-in., \$3.50 per 100; \$30 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns for dishes, \$3 per 100; \$25 per 1,000. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns. For varieties and prices see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5, 5½-in., 30c, 35c to 40c; 6-in., 50c; 7-in., 75c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ficus pandurata, 7-in., 5 ft., \$4.50 each. Rubber plants, 6-in., 75c to \$1. each. Poehlmann Bros. Co., Morton Grove, Ill.

GERANIUMS.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders for immediate delivery. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buckner (white), A No. 1 stock, \$1.50 per 100; \$14.00 per 1,000. Beauté Poltevine (salmon), \$1.75 per 100; \$16.00 per 1,000. CASH. THE W. T. BUCKLEY CO., Springfield, Ill.

Geraniums, 2-in., Roseleur, Nutt, Dagata, Ricard, Red Wing, Vland, La Favorite, Col. Thomas, Mme. Jaulin, Mme. Bisquit, Perkins, Oberle, Lecadre, Landry, \$2 per 100; \$18.50 per 1,000. Claire Frenot, Hill, Dryden, Pamela, Mrs. Annie Vincent, Poltevine, Double Dryden, Atlantis, Luigi Grandi, Docteur Danjon, \$3 per 100; \$25 per 1,000. Send for Geranium Catalogue. F. H. DEWITT & CO., WOOSTER, OHIO.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beauté Poltevine, Marq. de Castellane, S. A. Nutt, Jean Vland, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthé, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Springfield, O.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c each; \$5 per doz.

JOHN BAUSCHER, JR.

104 Chicago St., Freeport, Ill.

Geraniums, S. A. Nutt, Poltevine, 2½-in., \$3 per 100; \$25 per 1,000. Buchner, \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Five thousand Salleri geraniums, strong, 2-in., fall propagated, \$20 per 1,000. Also three thousand strong, 4-in. Smilax. G. Fleischer, Pueblo, Colo.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent, Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Mme. Salleri, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Mme. Salleri, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Smilax, 2½-in., \$2 per 100. James Vicks' Sons, Rochester, N. Y.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HARDY PLANTS.

Hollyhocks, 50c per 100; \$4 per 1,000. J. C. Schmidt, Bristol, Pa.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,
Largest rose growers in the world.
SPRINGFIELD, OHIO.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Sour de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

Hydrangeas for forcing 4-in., \$10 per 100. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Hydrangea Otaksa, pot-grown, 5½, 6 and 7-in., 25c, 35c, 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

IVIES.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips, Berlin and Hamburg, \$10 per 1,000, (in 1,000 and 3,000 cases). J. M. Thorburn Co., 33 Barclay St., New York.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MUSHROOM SPAWN.

Mushroom Spawn, new crop English, 25 lbs., \$2; 100 lbs., \$6.50. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

Nursery stock, lilacs, ivies, boxtrees, etc. L'Esperance Nurseries, Aalsmeer, Holland.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., \$1 each; \$9 per doz.; 6-in., \$1.50 each; \$18 per doz.; 7-in., \$2 to \$2.50 each; \$24 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c; 6-in., \$1. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Pandanus Veitchii, 6-in., \$1 each. Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Pandanus utilis, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$8 per doz. Vaughan's Seed Store, Chicago and New York.

Pandanus Utilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. For varieties and prices, see advertisement elsewhere in this issue. The Geo. Wittbold Co., 737 Buckingham Place, Chicago.

Palms. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms. Areca Intescens, 7-in., \$2 each. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

Pansy plants. J. C. Schmidt, Bristol, Pa.

PELARGONIUMS.

Pelargoniums, Mrs. Loyal, 2¼-in., \$1.25 per doz.; \$8 per 100. Vaughan's Seed Store, Chicago and New York.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Dreer's strain of double petunias, 3-in., 75c per doz.; \$8 per 100. Henry A. Dreer, Philadelphia, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

PRIMULAS.

Primula obconica grandiflora, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Chinensis, 4-in., \$10 per 100; 5½-in., \$2.50 per doz. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Malacoides, strong, 2½-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primroses, obconica, alba, rosea and gigantea, 2¼-in., \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, 5-in., \$2.50 per dozen. Poehlmann Bros. Co., Morton Grove, Ill.

Primulas, 2½-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER PRIVET.—The hardiest privet grown, 12 to 18 inch, \$2, per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blanchés, Hermosa, White Cochet, Anna Muller, Ping Cochet, White La France, Clothilde Soupert, Mme. Abel Chatnay, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

ROOTED ROSE CUTTINGS.

	Per 100.	Per 1,000.
American Beauties	\$3.00	\$25.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
Richmond	2.00	18.00
My Maryland	3.00	25.00

Ready now. Satisfaction Guaranteed.

GEORGE REINBERG

162 N. Wabash Ave. Chicago, Ill.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$2.50 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

Roses, Milady, Mrs. Chas. Russell and Mrs. Geo. Shawyer. Booking orders for spring delivery. A. N. Pierson, Inc., Cromwell, Conn.

ROSES.—Fine young stock for immediate or early spring delivery. Write for prices. Wagner Park Conservatories, Sidney, O.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Rose Lady Hillingdon, 2¼-in., \$11.50 per 100. The Conard & Jones Co., West Grove, Pa.

Roses. The Dingee & Conard Co., West Grove, Pa.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

SEEDS.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$8 per oz.; ¼ oz., \$1.75; ½ oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, fringed petunias, dbl., 75c per 500 seeds; \$1.50 per 1,000; single, 50c per trade packet; \$1 per 1-16 oz.; \$1.50 per ¼ oz. Henry A. Dreer, Philadelphia, Pa.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. Denaille & Son, Carignan, France.

Seeds, garden and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohnert, Gilroy, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds, sweet peas, also radish and lettuce. S. Bryson Ayers, Independence, Mo.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Branlan Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Boigiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

Smilax, strong plants, 2½ in., \$1.50 per 100; \$12.50 per 1,000. J. C. Schmidt, Bristol, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants. Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 80c per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, 3-in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Auburndale Goldfish Co., 920 W. Randolph St., Telephone. Haymarket 152, Chicago.

INSECTICIDES.

The K's Insecticide, Fertilizer and Disinfectant Nozzle, with "Fermentizo," \$2. Jos. Kopcsay, So. Bend, Ind.

MATS.

MATS:—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

MISCELLANEOUS.

Giraffe Cyclone Boiler Flue Blower; Buffalo Vesuvius, a vacuum flue sucker; Perfect scrapers. The Goodfellow Mfg. Co., 36 Ferguson St., Buffalo, N. Y.

"Red Devil" pliers and glass cutters. Smith & Hemenway Co., 215 Chambers St., New York.

Moninger watering systems. See advertisement elsewhere in this issue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Plant bed cloth, Henry Derby, 455 St. Paul's Ave., Jersey City, N. J.

Greenhouse glass. Baur Window Glass Co. Eaton, Ind.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Gold, silver and purple letters. Gold and purple scripts. J. Lichtenberger, 1564 Ave. A, New York.

Green Silkline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Lehman wagon heaters. Lehman Bros., 10 Bond St., New York; Jas. W. Erringer, western sales agent, 20 E. Randolph St., Chicago.

Glass. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

POTS, PANS, ETC.

Pots. For sizes and prices see advertisement elsewhere in this issue. Hilfinger Bros. Pottery, Fort Edwards, N. Y.

Cherry red standard flower pots. The Mt. Gilead Tile & Pottery Co., Mount Gilead, O.

REFRIGERATORS.

Florists' refrigerators. Buchbinder Bros., 518 Milwaukee Ave., Chicago.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS and FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison st., Chicago.

THE KROESCHELL BOILER

IS THE ONLY PERFECT

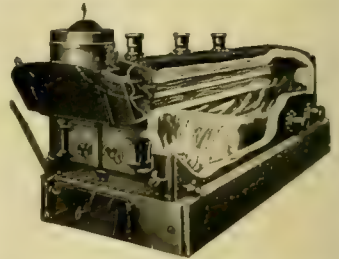
Hot Water Boiler

NOT CAST IRON

Has thin waterways. Heats quickly. It is the most efficient, safest and most economical boiler built. **Very Powerful.** 15 sizes, heating from the smallest greenhouse up to 50,000 square feet of glass to 60 degrees, at 15 degrees below zero.

Prices and catalogue on application.

KROESCHELL BROS. CO., 452 ERIE ST., CHICAGO



A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. NEW YORK.

PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO



Split Carnations

Easily Mended with

Pillsbury Carnation Staple

We find it very satisfactory.

J. L. DILLON.

Can't get along without them.

J. L. JOHNSON.

2000 for \$1.00 postpaid.

I. L. PILLSBURY

Galesburg, Ill.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.

Sam plefree. For sale by dealers.

WITH THIS "RED DEVIL"



Ballhead Glass Cutter, you can cut any kind of glass for your greenhouse. Its just one of 40 "Red Devil" glass cutters we make and good hardware dealers sell. If you are not using "Red Devil" glass cutters in your greenhouse, you want to begin NOW. Send us Five 2c stamps for One only sample. A sample will demonstrate glass cutting facts.

SMITH & HEMENWAY CO., 501 Chambers St., New York.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, \$5; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 90c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

WAX DESIGNS.

Send for catalogue showing over 100 pictures. Scranton Florist Supply Co., Scranton, Pa.

CYPRESS
IS FAR MORE DURABLE THAN PINE.

CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.

GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.

Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing

BUCHBINDER
FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.

MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.

Mention the American Florist when writing

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

WATERPROOF SHEETING, HAY CAPS, ETC.

HENRY DERBY, 455 St. Pauls Ave., Jersey City, N. J.

Mention the American Florist when writing

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Where There Is Condensation

—there is need for a Morehead Steam Trap
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of com-
plete **Greenhouse Heating Systems**. Send for
our Special Heating Catalog No. 47. Estima-
tes furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you re-
main longer unpaid. Send them to
us at once. We are prompt, energetic
and reasonable, and can reach any point
in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the
world and can furnish you in quantities from wagon
to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelities, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing

Attention! Glass Buyers!! GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone 651-659 West Washington Boulevard, Chicago
Monroe 4994. Near Des Plaines St.

H. BAYERSDORFER & CO.

Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing

VAUGHAN'S

PERFECTION
SIZE 2½ POINT

No. 2. Large single
thick glass.
No. 2½. Double
thick.
Price, per 1000, 55c;
by mail, 70c; 5,000,
by express, \$2.50.
**VAUGHAN'S
SEED STORE**
Chicago, New York

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because
both bevels are on the same
side. Can't twist and break
the glass in driving. Galvan-
ized and will not rust. No
rights or lefts.
The Peerless Glazing Point
is patented. No others like
it. Order from your dealer
or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No. 2

Mention the American Florist when writing

SIEBERT'S ZINC

Never Rust
GLAZING POINTS

Are positively the best. Last forever. Over
30,000 pounds now in use. A sure preventative of
glass slipping. Effective on large or small glass.
Easy to drive. Easy to extract. Two sizes, ¾ and
½, 40c per lb., by mail 16c extra; 7 lbs. for \$2.50
15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

The Early Advertisement Gets There

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)
Most Perfect White Paint Made.
Be sure to get our estimates.

THE DWELLE-KAISER CO.
338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:
80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

"SUPERIOR"

**HOT WATER BOILERS
For Greenhouse Heating.**

Made in 9 Sizes.

**Superior Machine
and Boiler Works.**

846-848 W. Superior St.,
Chicago, Ill.

Mention the American Florist when writing

WILKS'
Hot Water Boilers
ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.
Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO

Mention the American Florist when writing

GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.
CHICAGO, ILLINOIS

Mention the American Florist when writing

THE JOHNSTON GLASS CO.
Hartford City, Ind.
**Bent Glass
Ground Glass**

Mention the American Florist when writing

About That Z-Bar Eave Plate

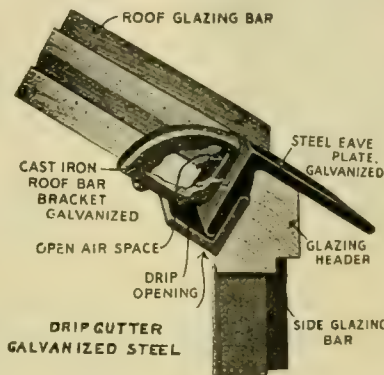
THIS Z-Bar Plate is our Angle Iron Eave Plate combined with an angle drip gutter.

The drip gutter is riveted to the eave plate, and the whole thing galvanized.

This Z-Bar Plate can be erected just as easily and quickly as if there were no drip gutter attached.

Forming a direct part of the eave, the way it does, there is no erection bother such as is the case with separate drip gutters hung below the plate.

Another important thing is its



freedom from water pockets, which result in spill-overs.

The drip lead-off pipes really do lead off the drip.

We patented this Plate several years ago, but the growers did not begin adopting it extensively until within the last

two years.

Now, we seldom sell a house without it.

You will find it fully illustrated and described in both our Supply Book and Commercial Greenhouse Catalog. We want you to have them both. Send for them.

We have an entirely new Iron Frame Construction that we are going to tell you about in the coming issues of the florist papers.

Only half the present number of rafters will be used, and half the number of columns.

20-inch glass will be used.

If you want to know particulars at once, write us at once.

Hitchings & Co.

1170 Broadway, New York

Factory, Elizabeth, N. J.



ADVANCE VENTILATING APPARATUS.

Our new catalog is now out and ready for distribution. It contains illustrations and description of our line of Ventilating Apparatus and Greenhouse fittings. Pipe carriers, split tees, Y fittings, column brackets, gutter brackets, shelf brackets, etc. Send for one of these catalogs.

Our equipment has never failed to give entire satisfaction, and the prices in the catalog will surprise you.

Advance Co., Richmond, Ind.

GREENHOUSE GLASS

Superior Quality and Right Prices.

Let Us Quote You. We Can Save You Money.

Baur Window Glass Co., EATON, IND.

The Early Advertisement Gets There

KING = IRON FRAME GREENHOUSES



THE PITTSBURG CUT FLOWER CO. near PITTSBURG

Both Satisfied—that is, Mr. Fred Burki and King Construction Co.

We Would Like to Satisfy You Too.

KING CONSTRUCTION CO.

HOME OFFICE AND WORKS
N. Tonawanda, N. Y.

NEW ENGLAND SALES OFFICE
7 Water Street, Boston

The Appearance Of A Place.

Garland Sectional Concrete Benches

greatly improve the appearance of a greenhouse. You can add to the value and attractiveness of your houses by installing **Garland Benches**.

Write for circular.

The Geo. M. Garland Co.

Main Office: Des Plaines, Ill.

Branch Offices:

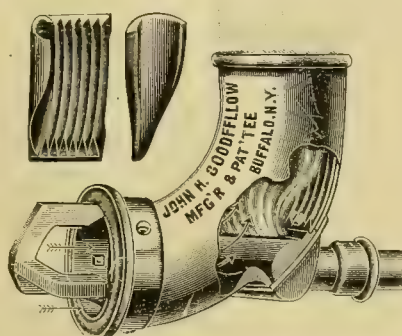
Means & Thacher, 6 and 8 Custom House St., Boston, Mass.
C. C. Shafer, 215 W. 14th St., Los Angeles, Cal.
S. A. Jamieson, Minneapolis, Minn.

METROPOLITAN MATERIAL CO.

PATENTED

Greenhouse Boilers and
Construction Material

Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.



Buffalo Vesuvius
A Vacuum Flue Sucker



Perfect Scraper

Sizes, 1 3/4 in. to 6 in. Diameter

Mention the American Florist when writing



**Giraffe Cyclone
Boiler Flue Blower**

THE WORLD'S BEST STEAM BOILER TUBE CLEANERS

Made by THE GODFELLOW MFG. CO.,
36 Ferguson St. BUFFALO, N. Y.
Correspondence solicited or full data on request



**Combination Giraffe Cyclone
Boiler Flue Blower**

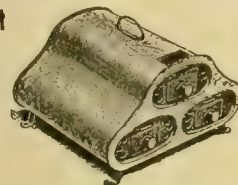
Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use
by Florists, etc. The cost of
heating is only **TWO CENTS**
for **TWELVE HOURS CONTIN-**
UOUS HEAT.

Send for descriptive circular to

LEHMAN BROS., JAS. W. ERRINGER,
MANUFACTURERS, General Western Sales Agent
10 Bond St., NEW YORK. 20 E. Randolph St., CHICAGO



Mention the American Florist when writing

Aphine

The Insecticide that kills plant Lice of every species

The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

green flies and black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back; why try cheap substitutes that makers do not dare to guarantee?

THE H. A. SPOOTHOPF CO., MOUNT VERNON, N. Y.

Mention the American Florist when writing



Pulverized or Shredded
Cattle Manure

Pulverized
Sheep Manure

Unequalled for Greenhouse Fertilizing.
Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF
CATALOGUES

OUR SPECIALTY

WRITE FOR PRICES.

527 Plymouth Place, CHICAGO

Mention the American Florist when writing



Double Glass Sash



Have Tomatoes on the market weeks ahead

Never mind the weather!

Your plants in hot-beds or cold-frames under Sunlight Double Glass Sash will not mind it

Between the two layers of glass in the Sunlight Double Glass Sash is an air space of $\frac{5}{8}$ of an inch in thickness

Above the glass is winter weather—zero perhaps. Below the glass is warm earth and plants growing like May

The secret of it all, is that the air space between the two layers of glass being a non-conductor will not let the cold in or the heat out. It makes the Sunlight Double Glass Sash complete in itself. It needs no mats or boards. The only cover is the air sealed between the layers of glass.

You can have hot-beds and cold-frames with Sunlight Double Glass Sash far cheaper in the long run than your single layer sash with heavy, dark covers of mats or boards. You can save more than half the labor and worry and you can control your beds better and get earlier, stronger and far more profitable plants.

The Sunlight Double Glass Sash method comes right home to every gardener and florist in the country. It is good business to learn all about it.

Write us today. We will send our complete catalog, free. If you enclose 4c in stamps we will also send Prof. Massey's booklet on hot-beds and cold-frames. Be sure to write your name and post office plainly.

Write for these books today



Sunlight Double Glass Sash Co.

934 East Broadway

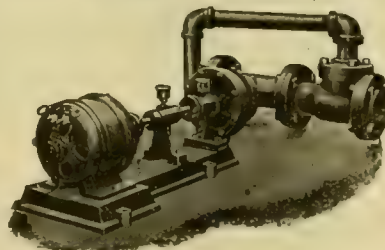
Louisville, Ky.

Hot Water Heating by Taylor Syphon Circulator

A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.



Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED
IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

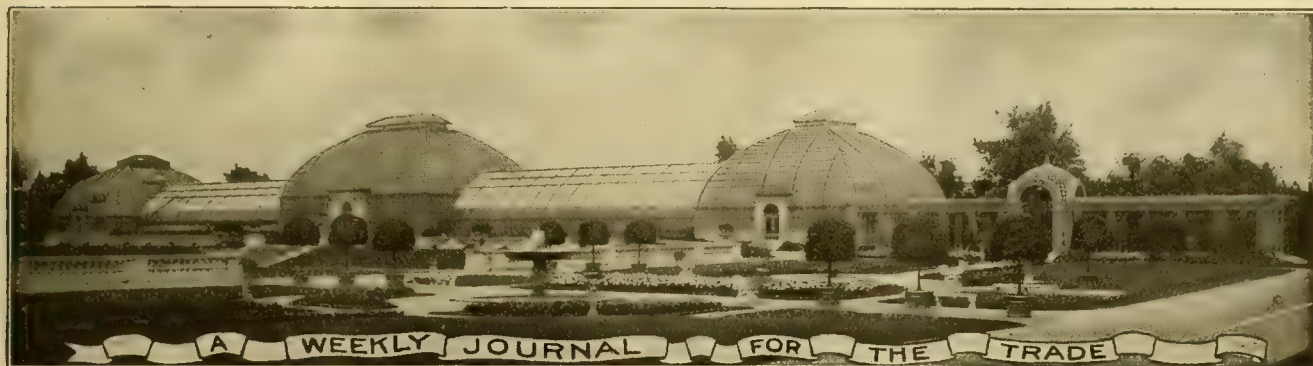
Steam and Hot Water

GIBLIN & CO., Utica, N. Y.



FLOWER GIRL'S BASKET.

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, JANUARY 11, 1913.

No. 1284

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,
440 S. Dearborn St., Chicago.

Long Distance Phone: Harrisoh 7465.

Registered Cable Address: Ameflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.

Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

SUGGESTIONS FOR PLANT GROWERS.

Lilies.

The lilies for Easter should be brought into warm temperature right after the first of the year. A house of 60° at night should bring them into perfect condition for Easter when it occurs early as it does this year. Those that are in 4-inch pots should be potted in 6-inch, and we have found the best way to do this was to first place a crock in the bottom of the pot and cover with about an inch of soil, then place the 4-inch plant on this, filling in around the stem above the old ball. The lily always throws out roots at the base of the stem when the buds form, and if potted in this manner these roots will be in soil and materially aid the plant in perfecting the bloom. With these roots covered with soil the plant also makes a much better appearance. The soil in which they are potted should be a rich compost of about the same composition as is used in rose culture, and the plant should be firmly potted and well watered and placed in good light location where the plants will not get drawn. A plant 18 to 24 inches high when in bloom with the foliage thickly studded along the stem is the one most desired at Easter. Keep the aphids down all the time by constant fumigation. These little insects are the worst plague to the lily grower, for if they once get established on lilies they are very difficult to dislodge, so it is much better to give the plants a fumigation every week and thus guard against them than to wait until their presence is manifest and try to kill them. This is one of the most pronounced cases where "An ounce of prevention is worth a pound of cure."

Geraniums.

After the holiday trade there will be room enough to space out the geraniums and other bedding stock. The cuttings that were placed in flats, and the young stock in 2-inch pots, should be shifted to the 3-inch size and spaced on the benches so that a good growth is encouraged. As soon as well established in these pots the top

can be cut off and another cutting obtained. All the young stock possible should be taken from the plants selected in the fall for propagating purposes, for all the cuttings from which it is expected to produce good sized plants should be in the propagating bench by February 1. Any rooted after March 1 will make small plants for bedding purposes. The best stock for late May and early June planting should be in 4-inch pots by April, that they may be well enough established by the middle of May to begin to flower, and should have at that time three or four good branches so that a succession of bloom is assured.

Rambler Roses.

Of all the exhibits made at the flower show in Boston a year ago last spring the Rambler roses attracted the most attention. The varieties of these beautiful plants have increased rapidly and they can now be had in all the shades of red and pink and also white. The single varieties have also been greatly improved and many of these make most beautiful plants. Every grower should have a few of these for Easter, and even if they do not sell they can be grown on for next year when a finer and larger plant will be had and the wood grown this year can be propagated and if planted outside will make nice plants. Plants grown in the field and lifted this fall will have to be started the first of the year to have them in bloom for Easter; pot-grown plants can be started two weeks later. They should be firmly potted in good rose soil, and placed in a cool house, one not running higher than 45° at night, and syringed often to soften the wood. Before the eyes start into growth the plants should be tied out into the shape they are to be grown. These plants can by a little ingenuity and care be trained into any shape desired. Many fancy as well as grotesque forms are now seen every year. To the inexperienced the round spreading plant should be the first attempted. Five or six stakes at the edge of the pot with the stems wound around and

Index to Advertisers,
Page 1472

Ready Reference Advs.,
Page 1473

Help and Situations Wanted,
Advertisements,
Page 1437

two or three arching over the center is the simplest form. Experienced growers have them in the shape of umbrellas, large balls, ships, and any form they desire. When the growths have got well started the plants should be moved into a temperature of 55° at night, and the syringing on bright days should be kept up to prevent insects from getting a foothold. By the middle of March the flowers should begin to show color and if they do not a little warmer temperature will be required to have them well in bloom for the first week in April. A regular rose temperature of 60° at night will be necessary, but the flowers are not of as good color nor do they last as well if they are unduly forced. A fine assortment of these include Crimson Rambler, Philadelphia Rambler, Dorothy Perkins, White Dorothy Perkins, Tausendschon, Lady Gay, Hiawatha and American Pillar, and in the Baby Ramblers, Crimson Baby, Jessie, Phyllis and Orleans.

PAINESVILLE, O.—Storrs & Harrison's gas well has given out and they are installing electricity as power and for lighting purposes. They have some fine rododendrons, boxwood and large palms in stock. Their greenhouse stock looks fine.

DAYTON, O.—Henry Zimmerman, for the last ten years with Chas. A. Bower, has purchased two acres of ground near Shiloh Springs of Thomas Belt. Mr. Zimmerman has been in possession since July and has remodeled the establishment which contains 4,000 square feet of glass. He will make a specialty of bedding plants. Mr. Zimmerman began with Mr. Bower when but ten years old. He is already thoroughly experienced in his line.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

L. Bomb Floral Co., Detroit.

That the L. Bomb Floral Co. of Detroit, Mich., has a store of which any florist might well be proud is amply attested by the accompanying illustrations. The pictures were taken on a Sunday afternoon by the architect's photographer and without the knowledge of Albert Pochelon, manager, who had not tidied up beforehand as is usually done before a picture is taken. The illustrations are all the more valuable therefore, because they show the store in its everyday condition.

The store is 32x60 feet and a stairway leads up to conservatory of the same dimensions, a unique arrangement. In the rear of the store is the shipping room and garage, 32x40 feet. Under this room is located the heating and cooling machinery, together with the carpenter shop. Under the store there is a basement with reserve ice boxes and work tables. The basement runs all the way under a glass-block sidewalk, giving plenty of light.

The conservatory above the store is of the famous Pierson-U-Bar construction. In the rear of this is the office and a show room for fancy dishes. Two more floors of the same dimensions, 32x40 feet, are just above. They are devoted to artificial goods, fancy supplies, etc.

The entire structure is steel-framed, with concrete floors and the roof is absolutely fireproof. It is provided with an electric push-button elevator service. Mr. Pochelon says: "You may turn the hose on at the top floor and wash down to the basement and the water will drain off everywhere." The

store floor is in different shades of brown tile. Each tile is 6x9 inches with small inserts of rose leaves and flower designs. The ice boxes on the main floor are 5 feet deep and 32 feet long and are divided into three sections.

A Recent Debutante Ball.

A very costly debutante ball was given recently in one of our southern cities, and for originality, splendor and artistic beauty it was the wonder of all present. It far surpassed some of the elaborate private functions in the east in the matter of expense. A sum approximating three thousand dollars was expended on the decorations alone.

The keynote of the decoration was an Italian garden. Miniature arbors of grapes were used as wall coverings, the lattice arrangement being most generously covered with grapes, to which the guests helped themselves. This lattice and grape effect was most deftly handled. An immense fountain was guarded by a marble lion of St. Mark's, and real birds sang or chirped from hidden cages among the green bowers and trees. Orange trees were also used in goodly number and they were some of the choicest obtainable.

To complete the Italian garden effect pure white marble garden seats were arranged so the guests could see the play of the gold fish in the fountain. The tout ensemble was like a fairy tale made real. The consensus of opinion was that it was a wonderful product of the decorator's art as well as one of the most costly balls given.

A. E. K.



THE RETAIL STORE OF THE L. BOMB FLORAL CO., DETROIT, MICH.

The Store From the Outside.

An Interior View, Showing the Beautiful Stairway.



THE L. BEMB FLORAL CO.'S NEW STORE AND CONSERVATORY, DETROIT, MICH.

THE CARNATION.

Feeding.

Feeding, or in other words the application of fertilizer, is an important factor that is before us in the care of the plants for the rest of the season. Up to the present time the fertilizer put into compost at planting time has been enough to sustain them and if they are working along satisfactorily, producing a steady crop of high grade flowers, then I would advise withholding any feeding for three or four weeks yet, which will carry us over the dark days of January, a period when plant growth is at a low ebb. The carnation is a plant that will give great results from a liberal treatment, but the character of the plant and its flower is of such a nature that they are easily abused and quickly show the effect of any treatment that is given them.

We can take, for instance, the flowers after they are cut and note how quickly they are affected by the condition in which they are placed—how very soon they respond to the coloring when it is put in the water for that purpose, also how quickly their fragrance is overcome by the smell of tobacco when the flowers are placed in a room where the “weed” is used. Consequently we can be governed to some extent by these circumstances in our work of applying fertilizers. Any-

thing that has a tendency to promote a soft, rapid growth should be used with caution so as to guard against sleepy flowers. Fresh manure that is still throwing off fumes should not be used in any circumstances, because there is nothing that will cause the flowers to go to sleep quicker than to have the atmosphere of the house in which they are growing heavily charged with the fumes from fresh manure.

Another drawback to the use of fresh manure is that when it is put on the soil and given a watering it is very likely to form a crust which clogs up the surface and prevents the soil from drying out properly. We are coming to the time when the fertilizers used on our greenhouse crops will be either pulverized or in the concentrated form, thus doing away with the material in its raw state entirely. One great thing in favor of using manure in the pulverized form is that it is easy to apply, so that a light sprinkling can be put on the beds at different intervals as the plants show their need of it.

The use of concentrated and chemical fertilizers must be governed according to the conditions and the nature of the soil each grower has to deal with, which can only be arrived at by a close study of these principles that he has at hand. One form of chemical that may be very beneficial with a certain soil is very likely to be the adverse with another and instead

of benefiting the growth of the plant is liable to harden its tissues and cause the growth to become too woody for continued active flower production.

The use of lime has been advised from time to time by a number of carnation growers, but this is also an ingredient that should be experimented with on the soil at hand before using it to a very large extent, because whereas some soils may be greatly enriched by its use just the opposite will be the case with others and instead of benefiting it will cause it to cake. The nature of the water that is being used will also have to be taken into consideration, owing to the fact that there may be an element there which is not favorable to the use of lime.

To sum up the whole problem of feeding the carnation we should therefore take these few facts into consideration: If the plants are in perfect health, bearing a continuous crop of high grade blooms of good color and texture, and you feel that the fertilizer put into the soil at planting time is not exhausted yet, then let well enough alone for a while. Also, if the plants are not well up in flowering shoots but have attained a grassy growth, the best thing is to go slow with the feed, because to enrich the soil for plants in this condition will be detrimental instead of beneficial. But if the flowers on plants that are in vigorous growth, are showing a tendency to run a little small, then it is a sign that the soil is becoming worked

out and a little fertilizer will be beneficial.

At this season I am very much in favor of using the pulverized forms of the cattle manures applied in the form of a surface dressing, using just a light scattering at one time, following it up with another in about three weeks. This gives the surface roots of the plants a chance to work along steadily as well as keeps the soil open and sweet.

C. W. JOHNSON.

Dreer's Diamond Anniversary.

The seventy-five years from 1838 to 1913 have witnessed a phenomenal development in the industrial life of the United States, and a commercial concern that has passed through this period and yet retained the vigor of its youth must have been deeply endowed with the qualities that make for success. We are reminded by receipt of their "Garden Book" for 1913, that the firm of Henry A. Dreer, Inc., Philadelphia, Pa., has reached its seventy-fifth anniversary. The Dreer company has passed through virtually the entire industrial development of the United States and it has kept pace with the rest of the country. This the firm justly attributes to its policy of dealing only in the best products grown and in giving each customer just what his money calls for.

The founder of the firm was the late Henry A. Dreer, a native Philadelphian. When twenty years old he began business with Henry Hirst. The latter did not remain long with the firm, however, and Mr. Dreer continued the business himself, his industry and intelligence early making him a power in the trade.

Ten years after its founding, or in 1848, the store was removed to larger quarters. In 1858 it was again moved and in 1863 another change was made, this time to its present location at 714 Chestnut street. In 1873, after building up his business from a modest concern to one of the most successful in the country, Henry A. Dreer died, leaving to his son, William F. Dreer, the task of further developing the house he had established. That the present head of the firm has held by the old traditions of square dealing and still kept in touch with the most advanced ideas of the day is evidenced by the company's continued prosperity and uninterrupted growth.

The mammoth warehouse is filled with stock used in the business and with onion sets and potatoes in cold storage. The first floor is devoted to the retail department, the sample rooms and the shipping department. The offices are in the front and the rear is used for the storage of flower and vegetable seeds. A large corps of girls are kept busy filling seed bags on the third floor. The firm's own printing press is located here and in the rear is the cleaning machinery, run by the same power. A seed-testing greenhouse is located on the roof.

The firm points with pride to its staff of specialists throughout the world who test its seeds especially to find which are best adapted to certain climates. Flower seeds and bulbs of the Dreer company have always been found of the best quality and of all varieties. Grass seeds are also a specialty. Many awards for seeds have been made to this house during its long life.

In 1873 the nursery and trial grounds were removed to Riverton, N. J., to

escape the steady encroachments of the city, and here the principal greenhouses have since been located. Many thousands of square feet have been added to the glass area since the nursery was first located at this place and the trial grounds and all make this one of the most complete and up-to-date establishments of its kind in the world. Bedding plants, palms, ferns, roses, azaleas, aquatics, etc., are some of the products that have made Dreer's famous. Besides the Riverton place, other grounds are located at Riverview and Locust, N. J., the last named being the location of the new plant established not long ago.



The Late Henry A. Dreer.
Founder of the Firm Bearing His Name.

Flowers for Garden and Lawn.

Paper read before the Society of Iowa Florists, at the annual meeting at Des Moines, by the late J. T. Temple.

While convalescing from a serious surgical operation last year I made occasional trips to the villages and small towns nearby. One of the sights that attracted my attention was the similarity of the gardens. Red geraniums planted around the foundations of the residences or along the walks leading to the front doors and in some places a large round bed of red geraniums or a few shrubs misplaced in the center of the lawn was the usual order. The one who does the first planting in spring sets out red geraniums and immediately the town has scarlet fever. The neighbors imitate the leader, planting red salvias, red cannas or red geraniums. A noted critic and artist remarked, as a known fact, that the first thing that a young child notices is something red. An Indian savage wants a red blanket, but as they become educated and civilized they take to the lighter shades, white, pink, blue, etc.

To people of high strung nerves red has a psychological effect. A business man has some irritation in his business affairs, he goes home at noon, thermometer 95 to 100 degrees in the shade; as he passes along the walk to the house the scarlet flower beds make the weather seem hotter and the irritation becomes stronger, having the same effect on him as a red parasol on a

bovine. The consequence is that if the meal is not ready on the table, a hasty word and probably others sometimes lead to something serious. Red looks good in masses not too large and when viewed from a distance. As red is the initial color, and always will be called for, I would advise the florists in the small towns to supply the demand, give the customer what is called for, but at the same time try to educate your patrons to a variety of color, the same as milliners do.

Just imagine how it would look if all the ladies wore red hats and the buildings were all painted red. The florist should be an educator, not an imitator. Some do not think so, but I think our vocation is empirical or experimental, so that we cannot have any set rules for growing and planting in our gardens and lawns. We need to observe conditions, environments, adaptability, etc., more in our out-door planting and cultivation. Variety is the spice of life. I would not recommend the florist to make his place a botanical garden but to get some of the new plants, test them for at least two seasons, and keep the best. Test the new cannas, heliotropes, lantanas, carnations, roses, hydrangeas. The Godfrey calla is a good thing. The double Marguerite, Mrs. F. Sander, if planted out on bench or in a solid bed in the greenhouse, will bloom both summer and winter. Plant lots of them; it will save you sending for cut flowers to the commission men when short of carnations. They are also suitable for porch boxes and it makes a good blooming plant for the garden.

One of the best plants for the florist is the buddleia, commonly called fall lilac. This is not a new plant, as it has been known and cultivated for a long time, being introduced from China nearly a century ago. There are a number of species, but buddleia variabilis and its hybrids seem to be more common in cultivation. They have a somewhat straggling habit of growth but can be pruned to any shape. We have them growing in all manner of styles. They are pretty, trained in fan shape or grown on a trellis; they can be planted in porch boxes and vases and are also good as a bush on the lawn. They are very effective in any style of growth. We had them in bloom last March in the greenhouse from plants propagated in August from green cuttings, showing that they can be forced for Easter. They root easily from old wood cuttings, but the quickest way is to take the new growth, which will root as quickly as salvia splendens and cuttings can be taken any time you can get the new wood. Given plenty of water they will commence blooming soon after being set out in the ground, but are most profusely in bloom from August until frost, hence the common name, fall lilacs.

The individual flowers are small on a flattish spike, sometimes a foot long, and are somewhat of a drooping habit. They are highly scented and some of them are the color of the lilac, while others are a rosy violet of a pleasing shade. At the 1910 session of the Society of American Florists in Rochester, N. Y., in Highland Park, which Mr. Dunbar has made the Mecca of the progressive florist, and all who love choice and rare plants and shrubs, was a bed of Buddleia variabilis magnifica, and Buddleia veitchii magnifica, which was a magnet to quite a number of the visiting florists. The shrub is not re-

liably hardy, though for five years it lived with me with only a slight covering of soil around the roots, the tops dying to the ground, which does not make any difference as it blooms more freely on the young soft growth, particularly if given rich soil and plenty of water. Cut off the flowers as they become old and you will have lots of bloom all the season.

Another good plant is the snapdragon or antirrhinum. The pink variety is the favorite one and is more called for than those with white or yellow flowers. They make fine bedding plants if kept from going to seed, blooming from June until frost. *Artemisia frigida* with white foliage, a large solid bed of which planted on the lawn, with either a few red cannas or red geraniums or salvias, interspersed or bordered with dwarf scarlet salvias is a beautiful sight. It is also exquisite when bordered with plumbago lapantia and a center of plumbago capensis. A large bed of *Rudbeckia Newmanni* is a fine thing for the lawn, as it is hardy and will make a permanent bed, blooming from August until frost. *Cassia falcata* (variety Mrs. Temple) with yellow blossoms is good planted around a bed of red flowered cannas and also bronzed leaved cannas. I also wish to call your attention to *Celosia plumosa* as a bedding plant. Do not start your seed before the tenth of May; plant out about the first week in June and you will have a grand bed all summer. If plants are started too early and should once be neglected, some of them will become stunted and you will have an uneven bed. It is better to start them late and keep them growing. One of the surprises of this season is the new fancy pelargonium (Easter offering). Six plants set out the middle of May have been full of bloom ever since and at this date, August 28, one of them has over 20 large trusses of bloom. It has something of the markings of *Pelargonium Victor*. It will be planted and tested more thoroughly next year.

Vinca rosea or Madagascar periwinkle is also a good bedding plant, more used down east than in Iowa. There are also some good bedding annuals as the scarlet zinnia, *salpiglossis*, *celosia* or cockscombs, globe amaranthus, French marigolds, etc., and we should not forget to plant (in masses) the many hardy herbaceous plants, such as the perennial phlox, delphiniums, monardias, anemones, *rudbeckias*, *pyrethrums* and others too numerous to mention. Educate your patrons that there are many good plants for their gardens besides the ones most commonly grown and you will not have any surplus plants left at the end of the bedding season.

And now a few suggestions for ourselves. Are we, as Iowa florists, progressive? Do we study cause and effect in our planting? With the material we have, do we get the best effect in color and adaptability to location? Our customers often ask advice about planting, etc. Can we as leaders and teachers give it to them from experience or observation? I hope these suggestions will furnish food for thought and mutual improvement so that we will all have pleasure and profit in our vocation.

HAMILTON, O.—A bull stampeded in the street here recently, made for the flower store of Charles Gray, smashed in the doors and did considerable damage to the potted plants before being driven away.

HOLIDAY TRADE.

Good Increase Shown.

Further reports from cities throughout the country corroborate our review of the Christmas trade as published in our last week's issue. There are a few isolated instances where complaint is made, but taken all in all there was an increase of from about 10 to 50 per cent over the business done during the same season of 1911. This shows not only that the country is enjoying prosperity and a healthy growth but that people are beginning to have a finer appreciation of the florists' goods. Trade was hurt somewhat in the east by the heavy storm, but in other parts of the country the weather was ideal. Too warm for the popular conception of Christmas, but just right to make deliveries easy and there were no reports of freezing, although much stock was delivered unwrapped. The trade in general showed a marked increase in the call for plants, due partly, perhaps, to the rather high prices for cut stock in some places. However, plants seem to be growing more popular, anyway. Bulbous flowers were as a rule rather unpopular, but the usual cut stock went well as a rule. Especially was this true of red flowers. Carnations were short and high priced in many cities, but other stock was generally in ample supply.

orably with last year's. Artificial flowers are increasing in favor. There was an increased demand for flowering plants and decorative stock also sold well. Holly wreaths are as popular as ever, many thousands being used. Made-up baskets of plants sold well. The weather was mild.

GALESTON, TEX.—This was the largest Christmas business ever done here and, according to Mrs. M. A. Hansen, the increase over last season amounted to 35 per cent. Prices, especially for plants, were better than a year ago. The cut flower supply was ample except for red roses, which were very scarce. Both the supply of and demand for bulbous stock was light. The quality of stock this season was better than ever before and very little was lost. There was an increased call for Killarneys and Rhea Reids. Plants were greatly in demand, large azaleas especially selling well. Business was good generally. The weather was fine. All flowers were received in excellent condition, a fact never noted before.

PORTLAND, ORE.—Fifteen per cent is estimated as the increase in trade this season by Clarke Bros. Prices were slightly lower than in 1911. Growing plants were especially reduced in price, as the market was overloaded. The cut flower supply was ample, except possibly in red roses. Valley was in good supply and sold well. There were few Roman hyacinths or Paper White narcissi. Violets were in great demand and large quantities of California importations were disposed of.



RICHARD VINCENT, JR. AND FAMILY.

Richard Vincent Jr., with Mrs. Vincent, Their Three Sons and Daughter and Sixteen Grandchildren.

GRAND RAPIDS, MICH.—This season's Christmas trade was greater by from fifteen to twenty per cent than last year's, in the opinion of the Crabb & Hunter Floral Co. Prices were about the same, but were firmer. Large quantities of roses were shipped in to supply the demand. Carnations and violets were to be had locally. The supply of bulbous flowers was plentiful, as their popularity is decreasing. The quality of all stock compares favorably

Flowering plants had first call, although some Lorraine begonias and cyclamen remained unsold Christmas night. Otaheite oranges made their appearance for the first time and readily found buyers.

OAKLAND, CALIF.—Total sales were greater by twenty per cent, according to a report by Clarke Bros. Prices were slightly better. The supply of all flowers was ample. Roman hya-

cinths were plentiful and in good demand. The quality compared favorably with last year's stock. Flowering plants sold in the order named: Poinsettias, cyclamen, azaleas, hyacinths, ericas. The Lorraine begonias did not prove popular. There was an increased demand for flowering plants generally, and for made-up arrangements. Lorraine and Cincinnati begonias seem to be going out of favor here. California red berries were scarce this year. The weather was fine.

PROVIDENCE, R. I. —This year's Christmas trade fell off fully one-third, according to Matthew MacNair, who says that while the retail prices were the same the wholesale prices were "outrageous." The supply of cut flowers was large enough to take care of the trade. There was no demand for bulbous stock. The quality of stock was good, comparing favorably with last year. There was a special call for violets. Plant sales fell far below those of a year ago. The heavy snow storm probably accounted for the poor trade, but business conditions generally had much to do with the decrease.

SEDALIA, MO.—The Archias Floral Co. reports an increase in all lines. The demand was better than ever for baskets and made-up work. All cut flowers brought good prices, although there was a surplus, except in carnations. There was an oversupply of Paper Whites, but Chinese lilies were short. The stock in general was the best yet, as the weather was ideal for blooming. Azaleas, poinsettias, begonias and ferns were all in good supply and sold well. Holly, bouquet green, wreaths and wreathing sold well. The weather was mild and dry.

NEWARK, N. J.—Business was about the same as a year ago and prices were unchanged except for carnations, according to H. C. Strobel & Co. The supply was equal to the demand. There was a good call for valley. The quality of stock compared favorably with that of last year. The sales of flowering plants increased. There were more sales this year, but the call was for lower priced goods as a rule. Where the customer paid from \$3 to \$10 in 1911 he paid from \$3 to \$5 this season.

BRAMPTON, ONT.—An increase of about five per cent is noted in this season's business by the estate of H. Dale. Prices were about the same. Carnations and American Beauty roses were not equal to the demand, but other flowers were in ample supply. The supply of and demand for bulbous flowers were about equal. The quality of stock was as good as a year ago. There is difficulty in supplying red flowering stock here when the demand is above normal.

NASHUA, N. H.—A twenty-five per cent increase in business is reported by August Gaedeke & Co. Prices were higher. The supply was sufficient. Bulbous flowers sold well but brought only the usual prices. The quality of all stock was better than usual, and there was no rubbish. There was an increased call for Beacon carnations, which were very scarce. Cyclamen and azaleas sold in increased numbers. Weather conditions were perfect.

SPOKANE, WASH.—This year's Christmas trade was as good as last, although the retail prices were lower. The supply of cut flowers was sufficient to meet all calls, but bulbous flowers were short. The quality was not so good as a year ago. There was an increased call for poinsettias in pans and baskets. Plants sold better this season, also. Cut flowers will

have to sell at a lower price if the equilibrium between them and plants is maintained.

BANGOR, ME.—Twenty-five per cent more business is reported for Christmas by Adam Sekinger. Pinks were nearly double in price, but other stock was the same as a year ago. Carnations were scarce, but other cut flowers in ample supply. No bulbous flowers were to be had. The quality of stock was better than ever before. All plants sold well. Poinsettias in pans and azaleas were the best. There was a large demand for all bright flowered stock. Ferns sold well.

TAMPA, FLA.—Business showed an increase of twenty per cent this Christmas season, says the Tampa Floral Co. The prices were the same as last year. There were plenty of roses and violets, but carnations were short. Both the supply and demand for bulbous flowers were satisfactory. Flowers did not have the keeping qualities of last season, owing to the warm weather. There was a great increase in the sale of decorative stock.

EVANSVILLE, IND.—The William Blackman Floral Co. reports a greater sale of Christmas stock. Prices were the same as a year ago. The cut flower supply was equal to the demand. Bulbous flowers were more popular than heretofore. The quality of stock was better this year. There was a marked increase in the call for American Beauties and in poinsettia plants. All plants sold in increased quantities and the quality was better.

ABERDEEN, S. D.—Business was greater this year by about 25 per cent and prices were higher, according to Richard Strohmeier. Carnations were short but other stock was plentiful. There was an ample supply of bulbous flowers. All stock was of good quality, better than last year. Everything sold well. There was a large demand for flowering plants on account of the high prices asked for cut stock. Roses and carnations went the best.

HALIFAX, N. S.—Sales were greater this season than last, says F. W. Killiam. Prices were about the same. Carnations were short, but other cut stock plentiful. There was a good supply of bulbous stock. The quality of this season's stock was better than a year ago. Flowering plants sold more readily. There was an especially brisk demand for fancy baskets filled with decorative and flowering plants.

JACKSONVILLE, FLA.—A twenty-five per cent increase in Christmas trade is reported by Mills, the Florist. Prices were higher, though the supply was equal to the demand. The bulbous flower supply and demand were both good also. Quality was better than a year ago. Richmond roses and American Beauties sold especially well this season. Both flowering and decorative plants sold better.

PETERSBURG, VA.—This season's Christmas trade was greater than last year's and prices were better, says Wm. S. Young. The supply of cut flowers was not equal to the demand. Bulbous flowers were ample and the demand fair. There was a marked increase in the call for poinsettias. Flowering plants generally sold more readily. The stock this season was better than a year ago.

OGDEN, UTAH.—This season's trade was greater than last, with prices about the same. F. J. Hendershot & Son say there were plenty of roses, but carnations were short. The quality was as good as a year ago. Plant sales were about the same. More roses are home-grown, as there has been a great increase in glass area, especially for this flower.

POMONA, CALIF. Business was fifteen per cent better than a year ago. This is the estimate of O. Roessner, who says that prices were the same. The supply of cut flowers was insufficient. There was little call for bulbous flowers. The quality of the season's stock was inferior to that of



LANCASTER COUNTY FLORISTS.

In the Greenhouse of E. P. Hostetter, Manheim, Pa., November 30, 1912.

SIoux FALLS, S. D.—The sale of roses, carnations and plants was 30 per cent greater than last year, with prices about the same, according to J. Tossini. The supply was larger than the demand. Paper White narcissi and Roman hyacinths sold well. The quality of the stock this season was better than a year ago. There was an increased demand for Boston ferns and all kinds of plants.

1911. Carnations sold best. All flowering plants sold well.

DULUTH, MINN.—An increase of one-third is noted in this season's trade by John J. LeBorlous. The prices were about the same as in 1911. The supply of cut stock was equal to the demand. There was little call for bulbous stock. The quality compared favorably with the stock sold a year ago.

WAUKEGAN, ILL.—The trade increased 25 per cent this season, says Theo. Meyer. Prices of cut flowers were one-fourth higher. The supply was ample. The call for bulbous flowers was fair. The quality of this season's stock was about like that of last year. More flowering plants were sold.

LEXINGTON, KY.—The Christmas trade, says Miss Fannie D. White, was all any one could expect. Plants of all kinds and cut flowers as well sold without trouble. Miss White sold an entire house of 2,000 poinsettias.

BALTIMORE, MD.—This year's business was greater than in 1911, according to Halliday Bros. Prices were about the same. The supply was equal to the demand. Plants sold in increased numbers.

SANTA CRUZ, CALIF.—Sales and prices this year were about the same as last, says W. E. King. The supply of cut stock was not equal to the demand. Bulbous flowers were short also.

KANSAS CITY, MO.—Every one here seems to have done a good business. The weather was ideal, more like Easter than Christmas.

Chicago Housing Problem.

To further the work of housing reform in Chicago, the City Club has offered 3 prizes amounting to \$600 in all in a competition for the laying out of a scheme of development for residential purposes of a quarter section of unoccupied land in the city. The program for the competition has been drawn up by the Illinois Chapter of the American Institute of Architects and is addressed particularly to landscape architects, engineers and sociologists. Recognizing the hodge podge nature of the city's growth in the past and desiring to correct this state of affairs in future additions, it has been decided that the area shall not be precisely located, but an imaginary or assumed site as follows:

"The site comprises a quarter section of land assumed to be located on the level prairie about eight miles from the business district. The tract is without trees or buildings and is not subdivided. The surrounding property is subdivided in the prevailing gridiron fashion. It is assumed that within a mile of the site are to be found numerous scattered instances and several groups of ordinary frame and brick houses such as prevail on the southwest, the west and the northwest outlying sections. The site is served by street car lines on two sides, and there is a possibility of street car lines on the other two sides.

"Each competitor will submit two drawings: First a plan, drawn to the scale of 80 ft. to the inch, showing the streets as proposed to be laid out in respect to direction, width, grass plots for gardens or plantations of trees along them; size and location of lots, location of dwellings," business buildings, etc. The second will be a birdseye perspective of the area or some proportion of it in the proposed developed condition. Twelve hundred and eighty families is the limit of population for the quarter section.

A jury of five will make the awards. The drawings are to be delivered to the office of the City Club, 315 Plymouth court, Chicago, at or before noon of March 3, 1913, and the awards will be announced on or before March 10. Books and pamphlets describing the progress of the garden city and garden suburban movement, especially in Great Britain and Germany, are placed on sale by the club to entrants.

OBITUARY.

John T. Temple.

John T. Temple, pioneer florist of Davenport, Ia., and one of the best known men in the trade, died January 4. Although apparently in good health, Mr. Temple had had frequent attacks of heart trouble. It was while attending the funeral of William Day, an old friend and brother Odd Fellow, and taking part in the services of the local Odd Fellows over the body of the departed member, that the end came to Mr. Temple. The obsequies were nearly finished and the coffin was being lowered into the grave when Mr. Temple fell to the ground. Members of the lodge who had been participating in the service hurried to his aid. Dr. W. F. Hunt, who was present, lent his assistance, but Mr. Temple passed away almost instantly.



The Late John T. Temple, Davenport, Ia.

John T. Temple was born in New York city in 1844. He was of Scotch and English parentage and came from a family of florists, his father and both his maternal and paternal grandfathers having been gardeners and florists in England. As a lad he was early initiated into the flower business, selling cut flowers on the streets of New York city. He sold the first bouquets at the opening of the Academy of Music about 1855. In the year 1859 Mr. Temple started in business with his father in Davenport, Ia. This was the pioneer florist's firm in that city, and there Mr. Temple continued as a successful florist and nurseryman to the day of his death. He was the first to use steam-heated greenhouses in the state of Iowa and was an authority of high standing on garden and other cultivated plants in this country.

In organizations pertaining to the trade, Mr. Temple was actively interested. At the time of his death he was secretary of the Tri-City Florists' Association, which covers Davenport, Ia., Moline and Rock Island, Ill. During the period 1902 to 1906 and again from 1907 to 1908, Mr. Temple was a director of the Florists' Hall Association. He was also vice president of this organization from 1910 to the time of his death. Mr. Temple was a charter member of the Society of American Florists and it is indicative of his unswerving interest that he

missed but one of the annual meetings of the society since its organization in 1885. This was the Baltimore meeting in 1911, when illness prevented his attendance. He was present at the Chicago meeting last year. He was the first Iowa vice-president of the national organization and for three years, 1889-91, he was a member of its executive committee. He was ever a willing worker in the cause of floriculture and had a large store of practical knowledge and experience to apply when needed.

Mr. Temple was prominent in lodge work. He belonged to the Masonic order, was a charter member of Davenport Lodge No. 10, Knights of Pythias, and was active in I. O. O. F. work, both in local chapters and in state councils. During the last years he held several offices in the state organizations.

In 1868 Mr. Temple was married to Miss Josephine Ahern, of Davenport, who died in 1906. Two sisters, Mrs. Joseph Gayman and Mrs. Louisa Downs, of Davenport, survive.

The funeral was held on Tuesday from the home of Mrs. Louisa Downs, with services at the Trinity cathedral, the Very Reverend Marmaduke Hare officiating. The remains were laid to rest in Pine Hill cemetery.

[The data herein regarding Mr. Temple's birthplace differ from those given in other publications and are taken from his own account, written in 1903.—Ed.]

Belgium Flower Trade.

Conditions in the horticultural industries [of Belgium] would have been more favorable if the excessive drought had not caused considerable damage and contributed to the partial paralysis of these industries. The demand for azaleas was still stronger in 1911 than in 1910 and the prices obtained were considered remunerative. It appears that the demand for Belgian azaleas in Germany and Austria is continually increasing. The demand for bay trees was regular, although there seemed to be a scarcity of those of larger dimensions, and for these varieties there seems to be a tendency toward a decrease in prices.

The raising of begonias and gloxinias turned out to be unsuccessful, although the export trade with all European countries showed a continual increase. Statistics show that the total quantity of plants shipped by the Terneuzen Canal was 1,734 tons, as against 1,473 tons in 1910. The orchid trade was satisfactory, and certain varieties attained high prices; even the cypripediums, a quality that had been more or less abandoned, are once more in demand. The demand for cut flowers, and particularly for orchids, is increasing from year to year, and at one time last year it was impossible to satisfy the demand for them. The export trade is now principally with England, France, United States, and the Netherlands, orders from France being particularly numerous.

Alabama State Horticultural Society.

The Alabama State Horticultural Society will hold its next meeting January 23-25, 1913, at Bay Minette. The program committee has made a strong and successful effort to prepare an unusually good program for the January meeting. All phases of horticultural work will be thoroughly discussed by men of broad experience along these lines. The full program of the meeting will appear soon.

J. C. C. PRICE, Sec'y.

SEDALIA, MO.—E. Ford Brown, a local florist, died recently at his home, aged 44 years. The funeral was held at the home, 718 Lister avenue.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	1429
—Geraniums.....	1429
—Rambler roses.....	1429
The retail trade.....	1430
—L. Bomb Floral Co., Detroit (illus.).....	1430
—A recent debutante ball.....	1430
The carnation.....	1431
—Feeding.....	1431
Dreer's diamond anniversary.....	1432
—The late Henry A. Dreer (portrait).....	1432
Flowers for garden and lawn.....	1432
Holiday trade.....	1433
—Good increase shown.....	1433
Richard Vincent, Jr., and family (illus.).....	1433
Lancaster county florists (illus.).....	1434
Chicago housing problem.....	1435
Obituary.....	1435
—John T. Temple (portrait).....	1435
Belgium flower trade.....	1435
Alabama State Horticultural Society.....	1435
Society of American Florists.....	1436
American Carnation Society.....	1436
American Rose Society.....	1436
Publicity in flower trade.....	1436
Parcels post seems successful.....	1436
Meetings next week.....	1437
Bees and flower color.....	1438
Chicago.....	1440
Pittsburg.....	1444
St. Louis.....	1444
Cincinnati.....	1445
Buffalo.....	1445
Cleveland.....	1446
Davenport, Ia.....	1446
Washington.....	1446
Tacoma, Wash.....	1447
Nashville, Tenn.....	1448
Wheeling, W. Va.....	1448
Frederickton, N. B.....	1449
Philadelphia.....	1450
New York.....	1452
Albany, N. Y.....	1452
Rochester, N. Y.....	1452
Kentucky Horticultural Society.....	1454
Lancaster Florists' meeting.....	1454
Norfolk, Va.....	1458
Denver, Colo.....	1458
The seed trade.....	1460
—French bulbs.....	1460
—Vaughan's gardeners' calendar.....	1460
—Melon seeds in China.....	1460
—Catalogues received.....	1460
Market gardeners.....	1466
—Cucumber seed.....	1466
The nursery trade.....	1468
—Gooseberry importations prohibited.....	1468

RENEW subscriptions promptly so that no copies of the paper may be missed.

THE ninth annual meeting of the American Breeders' Association will be held at Columbia, S. C., January 24-27, 1913, immediately before the opening of the American Corn Exposition.

ENGLISH CONDITIONS.—A prominent horticulturist writes, December 7: "Trade is wonderfully good in this country and that helps the florist growers."

Herman H. Ritter Bankrupt.

Herman H. Ritter, Dayton, O., florist, recently filed a voluntary petition in bankruptcy in the United States district court. He lists his liabilities as \$24,041.02 and assets \$39,164.75. His unsecured indebtedness, according to his schedule, is \$7,061.78. Real estate valued at \$30,000 but mortgaged to the extent of \$15,000, is listed among the assets. The stock and fixtures of his two places of business are valued at \$1,500.

Society of American Florists.

President Farquhar has appointed George Asmus, Chicago, a member of the National Flower Show Committee for a full term of six years, to succeed J. A. Valentine, whose term expired December 31, 1912.

JOHN YOUNG, Sec'y.

January 3, 1913.

American Carnation Society.

NEW CARNATIONS REGISTERED.

By Cottage Gardens Co., Queens, L. I.—Vivid: Parentage, Fisher seedling X Mrs. C. W. Ward; color, vivid cerise; size, 3½ inches. Good habit, wiry stems. Comes into full crop very early. The color is of remarkable brilliancy under artificial light.

By Baur & Steinkamp, Indianapolis, Ind.—Radiance: Parentage, Beacon X sacriet seedling; color, deep brilliant scarlet; size, 3½ inches. Flower perfectly circular in outline, with deeply serrated petals. Just full enough and built high in centre. Plant strong and healthy. Comes very quickly after benching. Extremely free in producing blooms. Never comes sleepy or off color.

A. F. J. BAUR, Sec'y.

American Rose Society.

The prize list for the coming exhibition as part of the National Flower Show has been issued. There will be additional special prizes. The annual bulletin for 1912 will be an interesting document. This record of events of the society is steadily in demand by libraries and students. The correspondence up to this date shows that interest is already alive by the growers of roses to make good in New York. No flower show would be complete unless the roses were there in full force. These flower shows are very effective as trade getters in this wise:

The fame of them goes broadcast. In the city of New York within a radius of twelve miles from the location of the Grand Central Station, where the show is to be held, are 5,000,000 people, and to cultivate the taste of this great population it is necessary to hold exhibitions. There is a place in popular favor for the small roses. The rambler rose is becoming more and more in evidence the country over. During the growing season this class of roses, if you look for them, you will find frequently in the small door yards of the cities. They certainly look pretty.

BENJAMIN HAMMOND, Sec'y.

Publicity in Flower Trade.

"Holiday Flowers will be Costly," is the headline displayed in the New York Herald for Sunday, December 22, 1912, to a half column article, stating that prices will be raised 50 per cent over those of preceding Christmas prices; that the entire stocks with a few minor exceptions of all plant growers within easy reach of the metropolitan wholesale dealers are exhausted, and that there is no possibility of another cutting reaching the market before Christmas.

A prominent wholesaler was given as authority for this and a lot more, all of which was detrimental to the flower trade of New York city. When publicity was brought up in Chicago, I with a number of others expected a real publicity campaign, headed by

the S. A. F., with all the local clubs and associations as allies. A vigorous handling of the press of the United States from a positive point of view and a strict censorship over all negative matter, such as the above, was hoped for.

Our trade is developing in spite of our lethargy, but other business has developed, one hundred, two hundred, yes, some of them five thousand fold, through the aid of the press. There is no other one business in the world that can adapt itself to press manipulation as well as ours and an up-to-date newspaper man assisted and advised by the good live wires we have on our various publicity committees would earn his salary ten times over.

If the S. A. F. is not able to finance such a proposition, and presuming that such a man could be employed for say \$3,000.00 per annum, with an additional \$2,000.00 for sundry expenses, I will be one of five hundred to give ten dollars a year toward maintaining such a campaign for at least five years, and I am sure there are 499 others in the S. A. F. who will do the same.

This is not decrying the present publicity methods. It is the one thing we can not have too much of and the right kind of a newspaper man could be a great help toward making these local attempts successful. Local clubs could no doubt be induced to contribute toward such a campaign and I am sure our Lancaster County Florists' Club would be right in line with its contribution.

ALBERT M. HERR.

Parcels Post Seems Successful

If the first three days of the parcels post may be taken as a criterion the new system of government delivery of packages will be a great success. Judging by Chicago alone the innovation is going to prove extremely popular and seedsmen and others will be greatly benefited once it has been thoroughly tested and such minor changes as may be necessary are instituted.

The delivery began January 1, a holiday, and naturally business houses did not take advantage of the new law. Nine hundred and seventy-seven packages were mailed at Chicago for outbound points that day. The next day the number jumped to 46,720 and the next to 65,438. All these packages were mailed from the Chicago post office and there is no record of those received to be delivered in the city. Ten of the packages mailed on January 1 were insured and on January 2 the number reached 622. The next day 1,002 packages were insured.

"The system is here to stay," said a post office official on the fourth day after the service was inaugurated, "and it is going to grow by leaps and bounds. We have found our regular force and equipment sufficient to cope with the situation except that more window clerks were necessary. The tests in connection with the deliveries by express, although in the majority of cases more than favorable to the post office department, were not always fair to the government. In one case when the express package was sent from Washington to New York, special automobiles were called into service by the express company, to rush it through as quickly as possible. The government, however, refused to enter into any competition and only the every-day facilities were brought into use."

Meetings Next Week,

Baltimore, Md., January 13, 8 p. m.—Gardeners and Florists' Club of Baltimore, Florists' Exchange hall, St. Paul and Franklin streets.

Cincinnati, O., January 13, 8 p. m.—Cincinnati Florists' Society, Jabez Elliott Flower Market.

Cleveland, O., January 13, 8 p. m.—Cleveland Florists' Club, 2610 Detroit avenue.

Lake Geneva, Wis., January 13, 8 p. m.—Lake Geneva Gardeners and Foremen's Association, Horticultural hall.

New Orleans, La., January 12, 2 p. m.—Gardeners' Mutual Protective Association, 114 Exchange alley.

New Orleans, La., January 16, 8 p. m.—New Orleans Horticultural Society, Kolbs' hall, 127 St. Charles avenue.

Newport, R. I., January 15.—Newport Horticultural Society.

New York, January 13, 7:30 p. m.—New York Florists' Club, Grand Opera House building.

Rochester, N. Y., January 13, 8 p. m.—Rochester Florists' Association, 97 Main street east.

Scranton, Pa., January 17, 7:30 p. m.—Scranton Florists' Club, Guernsey building.

Springfield, O., January 13.—Springfield Florists' Club, office of the Good & Reese Co.

Wants, For Sale, Etc

One Cent Per Word, Cash with Adv.

For Plant Advs., See Ready Reference Section.

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted.—First-class saleslady and designer; city experience; with good trade. Address Key 763 care American Florist.

Situation Wanted.—Young man of 23, in either store or Greenhouses. Western New York preferred. Address, Key 745, care American Florist.

Situation Wanted.—By first-class saleslady and designer; city experience; permanent position. Address Key 758, care American Florist.

Situation Wanted.—As Rose section man, lifetime experience in Roses. By English speaking German, age 35 single. Address, Key 754, care American Florist.

Situation Wanted.—Young man of 29; has had 10 years experience in Chrysanthemums and Carnations; can give best references; state wages. Address, Key 762, care American Florist.

Situation Wanted.—German-English speaking, single, age 35; lifetime experience in Cut Flowers, pot plants.; 9 years in America. Address, Key 755, care American Florist.

Situation Wanted.—By sober young man of 26; experienced grower of cut flowers and plants, capable of taking charge. References. State wages. Address, Key 747, care American Florist.

Situation Wanted.—On private or commercial place in middle west; private preferred; 17 years experience. 7 years as foreman; 43 years old; married; sober good references; state wages. Address Key 757 care American Florist.

Situation Wanted.—Hollander; near Cleveland or Chicago; commercial or private; latter preferred. Well up in greenhouse work and Perennial garden. Can be engaged at any time. Can show good references. Address, R. W. Bijl, 3616 Mayfield Road, Cleveland, Ohio.

Situation Wanted.—An up-to-date floral artist, young married man; 30; desires a permanent position with a first-class concern where activity, ability, etc., will eventually bring promotion. 10 years experience in every detail of the retail trade with A1 people. Would locate in any large city. Address Key 760 care American Florist.

Situation Wanted.—An intelligent and energetic young man, strictly sober and honest, age 26, desires to learn the growing of Cut Flowers, where first class goods are produced. Has had a number of years of experience on a truck farm. Will furnish references, if desirable. Address, I. A., care H. J. Potomkin, Muncie, Ind.

Help Wanted.—Experienced store man and designer to take charge of flower store in city of 100,000. Old established firm. Address, Key 753, care American Florist.

Help Wanted.—Two florists; experienced in designing, decorating and selling. Give three references, preferably firms for whom you have worked; state experience in detail and salary expected in first letter. Address Key 756, care American Florist.

Help Wanted.—An all around greenhouse man; state wages in first letter. Address, EDWARD TATRO, 407 East Iron Ave., Salina, Kansas.

Help Wanted.—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.

For Sale.—An old established and well paying florist store in Chicago, doing a good business, must be sold at once. Address, Key 748, care American Florist.

For Sale.—A good paying florist, seed and plant business, established by present owner over five years, in beautiful Berkeley close to San Francisco, the Exposition site; suitable for man and wife. For particulars address Kensington Florist, 3310 Adeline St., South Berkeley Station, California.

Wanted.—the address of Otto Lehman, who left Brooklyn, N. Y. for Colorado Springs about 10 years ago. Please address his friend, GEO. BELLA, 907 Trinity Ave., Bronx, New York City.

SITUATION WANTED.

First-class storeman, decorator and designer is open for position at once. Best references.

Key 764 care American Florist.

Situation Wanted.

By man twenty-seven, enthusiastic salesman, artistic designer and one who can arrange artistic window displays. Best of reference.

Address Key 746 care American Florist.

Help Wanted Quick.

Several good salesladies for Chicago retail stores. Good wages.

Key 751, American Florist.

Wanted.

Section men for large carnation range near Chicago. State experience when writing. Address

Key 761 care American Florist.

Wanted at Once

Competent young lady florist for good permanent position in the west. Send full particulars and references to

Key 750, care American Florist.

Help Wanted.

Good designer, male or female, for a Chicago retail store. One or more can apply. Good wages to the right parties. Address,

Key 752, American Florist.

Help Wanted.

A No. 1 Designer who can sell to first class trade in large city. Give full particulars in application.

Address, Key 759, care American Florist.

SITUATION WANTED

Good Carnation Grower

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.

Catalogs Wanted.

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park, Cincinnati, Ohio.

OFFICIAL S. A. F.

Shipping Labels

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.

440 Dearborn St., CHICAGO.

The Trade Directory

FLORISTS, SEEDSMEN AND NURSERYMEN

— OF THE —

United States and Canada

FOR 1912

Price: \$3.00, postpaid

AMERICAN FLORIST CO.

440 S. Dearborn St.,

CHICAGO

Rice's Record Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE CO.

1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

PHILADELPHIA, PA.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Bees and Flower Color.

In the old days when everybody was intent on discovering additional proofs in support of the Darwinian theory, it was shown how admirably bees and flowers were adapted to each other to secure cross pollination, by the assumed fact that when the bees set out on their morning expeditions they picked out a color that harmonized with their state of mind and obstinately refused to visit flowers of any other hue during the day. All of which would be, as Horace Greeley used to say, "interesting if true." As a matter of fact, the bee, though supposed to stick to her particular bee line of blossoms doesn't do anything of the kind, according to a writer in the American Botanist, as anyone who will visit a garden of multi-colored flowers may easily discover for himself. If bees are found to be working on flowers of a single color, there are other reasons for it than the hue of the blossoms. If, for instance, a plant with yellow flowers happens to be producing abundant nectar, the flowers are likely to be well patronized by the insects, but when no species with marked nectar flow is blooming the bees visit any likely flower within range. Nor is the bee's reputation for favoring blue and purple flowers sustained in the flower garden, however much it may appear to be when bits of colored paper smeared with honey are substituted for flowers. The bees visit the blossoms having the most nectar. When one of these insects visits a flower and finds plenty of nectar, it is likely to continue its visits to such flowers, and it is doubtless in this way that the bee's reputation for adhering to a single kind of flower while gathering nectar, has been earned. The bee is a saving creature and wastes no more time in flight than necessary; therefore, when it finds flowers of one kind near together it visits them all in preference to searching for fresh fields. In this way the advantage to plants of producing flowers in groups or clusters is explained. It is said that all the highest types of flowers are in clus-

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name Meyer's Silkline—to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100: \$7.50 per 1000
Boxwood.....per pound 20c. 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze. Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each

Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ATTENTION RETAILERS! No Jobbers' Profit Added to These Prices. Direct from the Mountains to YOU.

	Per 1000	Per case		Per 1000	Per case
Green and Bronze Galax.....	50c	\$4.00..(10,000)	Green Leucothoe (Long).....	\$2.00	3.50..(2,000)
Dagger Fern.....	70c	3.25..(5,000)	Green Leucothoe (Short)...	1.00	1.75..(2,000)
Fancy Fern.....	65c	3.00..(5,000)	Rhododendron Leaves.....	50c	2.00..(5,000)

ELK GALAX & FERN COMPANY.

Terms Cash. Prompt Shipment. No orders too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.,



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

We are now filling orders for

Southern Wild Smilax

Natural and
Perpetuated Sheet

MOSSSES

E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.

ters. Doubtless this method of bearing their blossoms did much to facilitate their rise in the plant world, simply because it gave a slightly better chance of pollination.

Sphagnum Moss

Best quality, tightly baled, size of bale, 3 ft. x 2 ft. x 2 ft., burlapped f.o.b. Walden, N. Y., at \$2.25.

The C. W. Brownell Company
Walden, N. Y.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax
New crop Fancy and Dagger Ferns now ready.
Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

CUT FERNS, Best Quality

1,000 at \$1.25,

2,000 at \$2 40,

5,000 or over \$1.10 per 1000

Robert Groves, 127 Commercial St. ADAMS, MASS.

Dennison
QUALITY



Dennison's
TRADE MARK

Tags for Florists

Give the Final
Touch to an
Attractive
Box

This
is the
Season of
Debutantes'
Dinners
and Dances

Busy Florists

Will ship box after box of beautiful flowers. Of all the accessories to the flowers, the tag is the most important. It should be attractively printed with crest or monogram on clean white stock. The Tag is the Business Card of the florist on his goods. It must represent him in quality.

Write for samples of Dennison Tags

Dennison Manufacturing Co.

THE TAG MAKERS

BOSTON
26 Franklin St.

NEW YORK
15 John St.

NEW YORK
5th Av. & 26th St.

PHILADELPHIA
1007 Chestnut St.

CHICAGO
62 E. Randolph St.

ST. LOUIS
905 Locust St.

Sales Offices in
Thirty-three Leading Cities



CARNATIONS!

BIG CROP NOW ON. Fancy Red, per 100, \$4.00.

Fancy Pink and White, per 100, \$3.00. Good Pink and White, per 100, \$2.00.

ALSO A FINE CROP OF LONG BEAUTIES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 5 00
36-inch stems.....	4 00
24 to 30-inch stems.....	3 00
15 to 20-inch stems.....	3 00
12-inch stems.....	1 00

Rhea Reid

	Per doz.
Specials, extra long.....	\$1 50
Good length.....	1 00
Medium.....	75

Wards and Richmonds

	Per 100
Extra long.....	\$10 00
Good length.....	8 00
Medium.....	6 00
Short.....	4 00

White and Pink Killarneys

	Per 100
Extra select.....	\$ 8 00
Medium.....	6 00
Short.....	4 00

Carnations

	Per 100
Fancy Pink and White.....	\$3 00
Good.....	2 00
Harrisii Lilies, per doz.....	\$2 00: \$16 00
Narcissus Paper White.....	\$2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

CARNATIONS PLENTIFUL.

The New Year's trade was exceptionally brisk and the market was pretty well cleaned up at noon. The one good feature about it all was that there was very little inferior stock left when the stores closed at noon, practically everything that was saleable having been disposed of. Trade was good the latter part of last week but toward the close the buying was rather light. The stormy weather affected the market considerably the opening of the week with the result that there was plenty of stock of all kinds to be had. Carnations are more plentiful and are now sold in large lots at greatly reduced prices. Roses are becoming more scarce but there is still plenty of stock to meet the demand, especially of Killarney and White Killarney. Mrs. Aaron Ward, Sunburst and Prince De Bulgarie are having a good call and bring the best prices. American Beauty roses are moving freely at good figures and there is no surplus to speak of. Orchids are in good supply but gardenias are still scarce and what few are arriving are eagerly taken by the local buyers at \$3.00 and \$4.00 per dozen. Violets are meeting with very slow sale and can be seen on the counters in good supply at nearly all the stores that handle them. Sweet peas are plentiful and the same can be said of Paper White narcissus. Lily of the valley is about equal to the demand. Stevia, especially the better grades, is bringing better prices but the demand for tulips, Roman hyacinths and Trumpet Majors is none too brisk. Some fine mignonette is now being offered but in no great quantities. Boxwood has been in brisk demand since the holidays. Greens of all kinds are plentiful. The storm was as bad on Tuesday

as it was the day before with no improvement in trade. While there is plenty of stock to go around at present it is none too plentiful and would be exceedingly short if demand was at all brisk.

NOTES.

George Perdikas entertained his entire store force, consisting of ten employees, at a splendid dinner at one of the popular eating houses in this city on New Year's day in appreciation of their valuable services rendered during the holidays. The table was beautifully decorated with the choicest of flowers for the occasion which is quite often overlooked at a gathering of this kind. The happy crowd also enjoyed an automobile ride at their employer's expense.

The John C. Moninger Co. will furnish the material for James Prenicka's new range, consisting of about 50,000 square feet of glass, which he will erect at Gross Point in the near future. It is understood that Mr. Prenicka and V. Bezdek, proprietors of the Northwestern Floral Co., will dissolve partnership in the near future, the latter to retain possession.

Joseph Ziska was confined the past week with a severe cold but is again on duty at the store. His son, Joseph, Jr., is building up a good trade in supplies. He says that their holiday trade was so brisk that he was obliged to work overtime for several months.

At Peter Reinberg's store Killarney and White Killarney roses are heading the bill this week, although the cut of stock in general is equal to the demand. Tim Matchen says that his firm is just coming on with a new crop of American Beauty roses.

F. O. Franzen, the enterprising Summerdale avenue florist, is advertising extensively in the north side street cars. If this kind of advertising pays he is destined to be one of the "big fellows" soon.

W. S. Bell, of Lexington, Ky., who was recently with H. W. Buckbee at Rockford and with Chas. A. Samuelson during the holidays, is seriously considering again going into business for himself. He is now looking for a suitable location.

The next regular meeting of the Florists' Club will be held at the Union Restaurant Thursday evening, January 9, at 8 p. m. when the installation of officers for the present year will take place.

Edw. L. Martin, Mrs. Margaret Thorpe Flint Evans' son, has accepted a position as traveling salesman with the Chicago Carnation Co., starting out on his first trip this week.

Frank Williams, of the Atlas Floral Co., who has been seriously ill for some time past, is progressing favorably, but Mrs. Williams is now confined with a severe cold.

S. A. Jamieson, who is representing the Geo. M. Garland Co. in the northwest, writes that his permanent business address is 826 Plymouth building, Minneapolis, Minn.

John Mangel, the Palmer House florist, had several large hotel decorations for New Year's eve which called for a large amount of stock.

Mrs. W. Burmeister has gone to Bermont, Fla., with her two children to spend the winter with her parents, Mr. and Mrs. Wm. Kreutz.

The annual meeting of the Horticultural Society of Chicago will be held at the Art Institute Tuesday, January 14, at 3 p. m.

The Raedlein Basket Co. started 1913 right by booking an order January 1 for an assortment of 2,000 baskets.

The E. C. Amling Co. celebrated its second birthday in its present quarters this week.

The boys played baseball on the lake front January 2 and the grass was yet green.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CARNATIONS ROSES---ORCHIDS---VIOLETS

and All Other Seasonable Stock in Good Supply.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$5.00 to \$6.00	Long		\$10.00	Fancy		\$4.00
30 to 36-inch.		3.00 to 4.00	Medium		\$6.00 to 8.00	Medium		\$2.00 to 3.00
24 to 28 inch.		2.00 to 2.50	Good short		4.00	Splits and Shorts		1.00 to 1.50
18 to 20-inch.		1.50	KILLARNEY.			ORCHIDS,		
Short stem	Per 100	6.00 to 10.00	Long		\$10.00	PERCIVILLIANA	per doz.,	5.00
PRINCE DE BULGARIE, Antoine Rivoire or Mrs. Taft.			Medium		6.00 to 8.00	TRIANAE	per doz.,	6.00 to 7.50
Long		\$10.00	Good short		4.00	ONCIDIUMS		4.00 to 5.00
Medium		\$6.00 to 8.00	WHITE KILLARNEY.			DENDROBIUM FORMOSUM , doz.		4.00
Short		4.00	Long		\$10.00	EASTER LILIES		15.00
MELODY , long.		\$10.00	Medium		6.00 to 8.00	ADIANTUM CROWEANUM		1.00
Medium		6.00 to 8.00	Good short		4.00	MEXICAN IVY	per 1000,	\$6.00
Short		4.00	Extra special Roses, charged accordingly.			SMILAX		16.00
MRS. AARON WARD.			VIOLETS, Princess of Wales		\$1.00	SPRENGER, PLUMOSUS SPRAYS	3.00 to	4.00
Long		\$10.00	Double, New York		1.00	PLUMOSUS STRINGS , extra long and heavy	each,	.60
Medium		6.00 to 8.00	Double, Glencoe, home-grown		1.50	FERNs	per 1,000,	2.00
Short		4.00	ROMANS		\$3.00 to 4.00	GALAX	per 1,000,	1.25
LADY HILLINGDON.			SWEET PEAS		1.00	LEUCOTHOE	per 100,	.75
Long		\$10.00	VALLEY		\$3.00 to \$4.00			
Medium		6.00 to 8.00	NARCISSUS , Paper White		3.00 to 4.00			
Short		4.00	STEVIA		1.50 to 2.00			

RED BERRIES, extra large cases, 36x14x14.....per case, \$2.00

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT

VALENTINE BOXES

Something New and Unique

Also Corsage Shields, Ties and Pins

Place your order now for an assortment of pretty **Red Baskets** for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

Big Crops of KILLARNEYS

Both Pink and White

Also **BEAUTIES--RICHMOND--MARYLAND--
MELODY--WARD--SUNRISE.**

Be sure and place your order with Reinberg. He always treats you right.

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES	Per doz.
Extra long.....	\$ 5 00
36-inch stems.....	4 00
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
12 to 15-inch stems.....	1 00
Shorts.....	\$ 50 to 75

Richmonds	Per 100
Select.....	\$10 00
Medium.....	00 to 8 00
Shorts.....	4 00

Killarney, Special	Per 100
Medium.....	10 00
Short.....	6 00 to 8 00
Short.....	4 00

White Killarney, Special	Per 100
Medium.....	10 00
Short.....	6 00 to 8 00
Short.....	4 00
My Maryland, Special	Per 100
Medium.....	10 00
Short.....	6 00 to 8 00
Short.....	4 00
Sunrise, Select	Per 100
Medium.....	10 00
Short.....	6 00 to 8 00
Short.....	4 00
Roses our Selection	Per 100
.....	5 00
Carnations	Per 100
Select.....	4 00
.....	2 00 to 3 00
Harrisii Lilies	per doz.
.....	\$1 50

Valley	Per 100
.....	3 00 to 4 00
Violets	Per 100
.....	1 25 to 1 50
Sweet Peas	Per 100
.....	1 00 to 1 25
Paper Whites	Per 100
.....	2 00 to 3 00
Romans	Per 100
.....	2 00 to 3 00
Asparagus, bunch	Per 100
.....	2 00 to 3 00
strings, 60c to 75c ea.	
" Sprenger	Per 100
.....	2 00 to 3 00
Smilax	Per 100
.....	1 50
Mexican Ivy	Per 100
.....	75
Galax, bronze and green	Per 100
.....	per 1000, \$1 25
Leucothoe Sprays	Per 100
.....	75
Boxwood, per bunch	Per 100
.....	25
Ferns, per 1000	Per 100
.....	\$2 00

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

Poehlmann Bros. Co. is certainly cutting some fine orchids and the stock that is now seen at the store is a sight to behold. Otto W. Frese says that home grown violets, especially his firm's Glencoe brand, are moving quite readily, although trade in general is none too lively. Mr. Frese is accusing Tim Waters of the supply department of dyeing the firm's pet cat a bright russet red last Sunday. Mr. Waters claims to be innocent of the charge so John Enders must be the guilty party.

E. E. Pieser says that the demand for boxwood since the holidays at Kennicott Bros. Co.'s store has been in proportion almost as brisk as it was before Christmas. He adds that ferns will not advance any in price at his establishment but that the quotations now in effect will be good for the remainder of this season.

H. C. Wulbrandt, proprietor of the Globe Greenhouses, left this week for Florida and Cuba on a combined business and pleasure trip. During his absence the store will be in charge of his wife who is a practical business woman and one capable of managing a large establishment.

Mrs. Paul Kreuger renewed old acquaintances in the local market this week and was indeed a welcome visitor. Mrs. Kreuger was formerly bookkeeper for her father, George Reinberg.

F. W. Nelson and his large force of assistants were quite busy at the Geo. Wittbold Co.'s store in Buckingham

place on New Year's Day with funeral work and hotel decorations. Fred Wittbold and Henry Neve were on the sick list the greater part of the week.

N. J. Wieter says that Wieter Bros. received their first Easter order this week, which is indeed very early. The customer who bought heavily from this firm during the holidays was so well pleased with his stock that he placed his Easter order well in advance.

Percy Jones added more floor space this week to his already large store and now claims to have a larger floor area than any other establishment of its kind in the city. He is now having a special sale on chiffons and ribbons.

The A. L. Randall Co. is making some more changes at its store, the principal one being the removal of the office to the third floor. The traveling men are making preparations to start out, W. W. Randall being the first one to leave.

The Chicago Flower Growers' Association is showing a fine line of seasonable stock, especially Killarney roses. Law Bros., of Ottawa, are shipping in some extra fancy Lawson carnations now.

Hoerber Bros. are entering upon their fourth year in the wholesale cut flower business. The year which has just closed has been a most successful one for them.

William Wienhoeber who now does the buying in the market for the Ernst Wienhoeber Floral Co. says that his

firm's holiday trade was a record breaker.

John Kruchten's home grown gardenias are in brisk demand by the local trade. Carnations of good quality are now seen at this store in quantity.

Henry Wittbold had the decorations at the Chicago Club on New Year's Day which called for 2,500 Richmond roses and a large quantity of greens.

C. Clemenson arranged the table decorations at the South Shore Country Club on New Year's, which helped swell the day's receipts considerably.

Frank M. Smith, of Smith & Fettes, Cleveland, O., en route to Los Angeles, Calif., was the guest of C. L. Washburn here on January 4.

A. Henderson & Co.'s traveling representatives are all out on the road with the exception of D. P. Roy, who will start out shortly.

Erne & Klingel are supplying their customers with a fine grade of Killarney roses and report a brisk demand for fancy stelia.

Andrew J. O'Leary, formerly with the retail firm of Jones & Russel, Cleveland, O., is in the city seeking employment.

A. C. Kohlbrand received a postal this week from Leonard Kill who is now located at Ocean Park, Calif.

D. F. Hawkes, of Wheaton, is shipping some fine single violets to Percy Jones this winter.

Welland & Risch report business as exceptionally good with no surplus of stock whatever.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	15-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00

Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good.....4.00

Medium.....3.00 | Short.....2.00

FERNs, per 1000.....\$2.00

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1.00

SPRENGERI, per bunch......50

ASPARGUS SPRAYS, per bunch......50

H. A. Born Company, manufacturers of iceless refrigerating systems, will move from its present location at 1040 Van Buren street to Twenty-second street and Shields avenue about February 1. Increasing business is given as the reason for the change.

John Loeser, with Peter Reinberg, stole a march on his many friends on Thursday, January 2, when he and Miss Sadie Miller were quietly married at St. Joseph, Mich. The best wishes of the trade are extended to the happy young couple.

J. A. Budlong is featuring a fine grade of American Beauty roses with fine color, foliage and stems. The cut of roses in general at this store is fairly large but carnations are now the principal offerings.

The next meeting of the Cook County Florists' Association will be held at the Tavern, West Washington street, on January 16, when the officers for the ensuing year will be nominated.

E. H. Blameuser, of Niles Center, is one of the many growers in the vicinity who will grow "The Herald," the Chicago Carnation Co.'s new scarlet carnation, next season.

Bassett & Washburn have a good cut of stock each day in both roses and carnations and are featuring splendid American Beauties.

A. I. Simmons, the West Sixty-third street florist, has returned from an enjoyable visit with friends and relatives at Baltimore, Md.

The J. B. Deamud Co. is headquarters for wild smilax and other greens and is particularly strong on carnations at present.

John Poehlmann, Jr., left January 6 for Culver, Ind., to resume his studies at the Culver Military Academy.

John Degnan says that Winterson's Seed Store's new catalogue will be ready for distribution on January 15.

PERCY JONES

H. Van Gelder, Pres.

L. M. Jones, Secy.

Ribbons and Chiffons

Special Bargains from Now until January 15, inclusive. Exceptional opportunity to buy reasonably. WRITE FOR PRICES. . . .

56 E. Randolph St., CHICAGO.

At A. L. Vaughan & Co.'s store the New Year's trade was brisk and continued so throughout the week. Bulb-

ous stock of all kinds and carnations are now arriving at this store in quantity.

Big Supply in Everything

and

At Greatly Reduced Prices.

CARNATIONS, good quality now coming in heavily.

BEAUTIES, big crops in all lengths now on.

KILLARNEYS, both pink and white; finest stock on this market.

VIOLETS, (Single), big flowers on fine long stems.

BULBOUS STOCK, Romans, Paper Whites, Jonquils and Tulips in quantity.

VALLEY. Our XXX Brand. There is none better.

Order from a house where you know you will be treated right.

A. L. VAUGHAN & CO.,

(NOT INC.)

161 N. Wabash Ave.,

PHONES | Central 2571-2572
Automatic 48-734

CHICAGO

Visitors: J. W. Davis, Davenport, Ia.; C. H. Perkins, Jr., with Jackson & Perkins Co., Newark, N. Y.; J. A. Karins, representing Henry A. Dreer, Philadelphia, Pa.; Ed. Roehrs, with Julius Roehrs Co., Rutherford, N. J.

Pittsburg.

PRICES SOMEWHAT LOWER.

With summer heat one day, a blizzard the next and rain following, we are certainly having some queer weather. Flowers are coming in much stronger than heretofore, which is slightly reducing prices in the wholesale market. Carnations are the leaders at present, while roses are running a good second. Paper Whites are cleaning up daily, few being thrown away, which is very much the opposite of last year. Violets are rather scarce, as are also yellow roses. Lilac is coming in strong in both quality and quantity. The growers are reporting heavy shipments for the immediate future, which will be somewhat of a relief to the retailers.

NOTES.

Morris Stein, formerly manager of Lorch & Hoffmeister's store on Smithfield street, is leaving for St. Paul, Minn., where he intends to locate permanently. Walter McCalley, with the A. W. Smith Co., will take the position vacated by Mr. Stein.

Jos. M. Jones, of the Pittsburgh Tree & Seed Co., has added a line of cut flowers to his business. Mr. Jones has leased 65 acres of land in Robinson township, which he intends to devote to the growing of such outside flowers as asters, snapdragons, Canterbury bells and dahlias.

F. H. Westhoff, of De Haven, nearly had his roses frozen out Saturday night, the railroad company getting away with his car of coal, but Mr. Westhoff managed to get one from

another source, saving his stock, which, by the way, is coming on very finely.

Geo. Crosby, foreman at R. J. Daschbach's greenhouses, who broke his kneecap December 21, is still confined to bed, but expects to be on crutches in two weeks.

Wm. Q. Potter, manager of the McCallum Co., Cleveland, O., and family, visited friends and business associates in town this week.

Chas. Puhlman, who was struck by an automobile last week, is now out and around, saying he is feeling fine again.

Wm. Drewes, of Braddock, is leaving for a brief trip to Philadelphia.

E. F. McCallum is serving on the jury.

Visitors: M. C. King and wife, Washington, Pa.; J. A. Keeney, Monongahela, Pa.; Frank Farney, of M. Rice & Co., Philadelphia; M. J. Alexander, of Lion & Co., New York; Martin Reukoff, of H. Bayersdorfer & Co., Philadelphia, Pa. E. J. M.

St. Louis.

DEMAND LIGHT SINCE HOLIDAYS.

New Year's has passed and we enter 1913 with stock of all kinds plentiful and but little demand. American Beauty roses and violets had the call for January 1. Carnations and roses are plentiful but with the prospects of cool and dark weather stock will in all probability shorten up. Receptions and balls during the past few weeks helped somewhat to move the stock. Sweet peas and violets are quoted a little lower and sell fairly well.

NOTES.

At all the wholesale houses an abundance of stock was seen. Many of the incoming carnations are sleepy and it seems that they have made St. Louis the dumping place for split carnations.

The St. Louis Florists' Club meets next Thursday. Some new applications will be voted on and Christmas business will be talked over.

C. Young & Sons Co. had the decorations at the Imperial ball. Several hundred American Beauty and Killarney roses were used.

The Wm. C. Smith Wholesale Floral Co.'s automobile delivery is a very great help in this firm's growing trade.

The Windler Wholesale Floral Co. is receiving some choice consignments of white and pink sweet peas.

The Mullanphy Flower Co. was a heavy buyer of carnations and roses during the last week.

Miss Matilda Waldmann had a splendid holiday trade. Her immense stock of plants sold well.

Otto Sanders had a good holiday business. His trade is select and requires great taste.

C. C. Sanders reports good holiday trade with increased sales of all kinds of plants.

Alexander Waldbart & Sons had a good trade for New Year's.

C. A. Kuehn had a fine stock of flowers for New Year's.

Ostertag Bros. were busy with New Year watch parties.

The Foster Floral Co. did a big business New Year's.

The Retail Florists' Association will meet January 19.

W. F.

SOUTH BEND, IND.—August F. Beyer, head of the Beyer Floral Co. and a native of Germany, has been awarded the medal of honor, a gold cross, by the German Emperor for distinguished services in the Austro-German war of 1866. This is the highest honor a soldier of the Fatherland may hope to win.

THE HOME OF BUDLONG'S FAMOUS "BLUE RIBBON VALLEY"



STOP! LOOK! READ!

Are You Looking for Choice Flowers?

If so, we can supply you with the choicest **Beauties, Richmond, Maryland, White and Pink Killarney, Bulgarie and Mrs. Jardine roses** to be found in this market.

Carnations, white, pink and red, of good keeping quality and such as will give satisfaction. Also a good supply of our famous **Blue Ribbon Valley, Sweet Peas, Single and Double Violets, Mignonette, Narcissi, Jonquils, Lilies, Callas, Stevia, Asparagus, Smilax, Ferns, Galax, Mexican Ivy** and all other seasonable stock.

We aim to **please** in every respect and out-of-town customers will be **benefited** by sending us their orders; by so doing you will find we can **save you money**.

We grow our own stock, thereby assuring you of getting **absolutely fresh stock**, besides **saving you the commission man's profit**.

HONEST DEALINGS  **OUR MOTTO**  **GOOD VALUES**

J. A. BUDLONG, 82-86 E. RANDOLPH STREET, CHICAGO.

Cincinnati.

PRICES TAKE DROP.

Since the close of the holidays market conditions have undergone quite a change. Prices have come down to a normal level. The supply of American Beauties easily takes care of the demand. Some very fine Killarney, White Killarney, Richmond and Brides are coming in. While they are selling up in a way they are not finding the market their quality warrants. The carnation supply is very heavy and at present really more than the requirements. The cut consists of fair numbers of each color. Practically all the stock is very fine. Easter lilies and callas have been proving good property. The call on violets, valley and orchids has fallen off considerably. Offerings in the bulbous line include narcissi, romans, jonquils and freesia. Many good poinsettias are still coming into the market. In green goods conditions are different. All the receipts are cleaning up. During the past week much more plumosus might have been used.

NOTES.

C. E. Critchell offered the first daffodils and freesia this year. Mr. Critch-

ell is also getting excellent callas from Dan Ruttle at Latonia.

The Covington Seed Company of Covington, Ky., has entered the retail field there. They have opened a store on Madison avenue.

P. J. Olinger and wife have been spending the past week with relatives in Chicago.

L. H. Kyrk was confined to his home the first part of this week with a bad cold. H.

Buffalo.

NEW YEAR'S BUSINESS GOOD.

The New Year's trade was more brisk than for several years. New Year's eve entertainments gave all the florists plenty of business. The day itself was far better than last year. Stock was plentiful with a slight reduction in prices. Several newly elected officials took office January 1, which called forth a big lot of flowers. Funeral work the last part of the week was also good.

NOTES.

All along the line the story has been, "trade was better than last year, and very little loss in delivery."

Out of town deliveries were very satisfactory. For the suburban trade within thirty miles all deliveries by the larger florists were made by special messenger, and the express companies were not depended on.

The fall of snow the last two days has made fair sleighing in the city on residence streets. The drop in temperature warns us that from now until the last of March we may probably expect winter weather.

The Buffalo Florists' Club will hold its regular meeting on Tuesday, when the last flower show business will be settled up.

Daffodils and tulips are on sale at S. A. Anderson's, of his own forcing and of fine quality. BISON.

GRAND RAPIDS, MICH.—Henry Smith has the material on the ground for two new American Beauty rose houses each 27 x 300 feet.

ROSELAND, LA.—The greenhouses owned by Konrad Klinghardt were damaged by fire recently. The blaze is supposed to have started in the boiler room. A daughter of Mr. Klinghardt was severely burned by escaping steam.

CARNATIONS

Roses, Valley, Single and Double Violets, Orchids, Sweet Peas, Lilies, Callas, Romans, Tulips, Stevia, Mignonette and All Other Seasonable Flowers and Greens can be obtained at all times in Quantity at "The Busiest House in Chicago."

HEADQUARTERS FOR WILD SMILAX

J. B. DEAMUD CO.

160 N. Wabash Avenue,

CHICAGO, ILL.

Cleveland.

YEAR'S BUSINESS GOOD.

Business has been good the past year, although prices of flowers have not gone up in proportion to coal and wages. The business both for Christmas and New Year's was perhaps the best in years. The weather was mild, and the usual worry over late or frozen shipments was eliminated. Stock was unusually good, as very few carnations or roses were held over. Richmond roses were far short of the demand. Paper Whites and stevia were plentiful. Carnations were quite plentiful, but of course the reds were far short of the demand. There was little in the novelty line besides sweet peas, calandulas, mignonette, and baby primroses. Plant growers all report an increased sale of cyclamen, primroses, hyacinths, ramblers, etc. American Beauties were in good supply and condition. Killarneys, both pink and white, were in full crop with most growers and although unusually large shipments arrived, everything with the exception of a few Whites cleaned up. Since the holidays the weather has been somewhat darker and stock is not so plentiful, but the demand has been strong and steady in all lines. The weather has turned decidedly colder the past few days and shipments are late and all require extra care in wrapping.

NOTES.

— Wallbridge, formerly with the J. M. Gasser Co.'s wholesale store, has severed his connection with this firm and gone to New York city, where he is to take charge of a retail store.

The Cleveland Florists' Exchange reports the best year since it started in business. The holiday trade in particular was very satisfactory.

The state examiner and an assistant will be in Cleveland in the near future to examine all greenhouse foremen for license.

The automobile show, January 4-11, will be well worth seeing on account of the decorations alone. C. F. B.

Davenport, Ia.

BIGGEST TRADE YET.

The Christmas rush is over and business this year was without doubt the best ever experienced here, with nearly enough stock to meet all demands with the exception of carnations, which for some reason failed to make good for Christmas. However, there will be plenty from now on. Every

thing in the way of a flower sold. Prices were about the same as last year. There was a better call for blooming plants this year. Azaleas and poinsettias were in the lead. Few ferns and fewer palms were sold. More made-up stock was sold than ever before. In cut flowers anything in red was at a premium. Violets and sweet peas were in great demand. Paper Whites were sold out, but Romans were rather a drag. A few white mums were still seen around Christmas. The down-town flower shops made a far better window display than usual, and attracted no little attention. The local wholesale groceries handled a better grade of holly than that received from the wholesale florists' supply houses. Dealers in evergreen trees claimed they sold 25 per cent more than last year. The weather was very summer-like, making deliveries an easy matter.

CLUB MEETING.

The Tri-City Florists' Club met at the home of Wm. Goos of Bettendorf, Ia., on the evening of December 19. Owing to the nearness of the holidays very few of the members were present and only routine matters were discussed. The boys found Mr. Goos' greenhouses well kept and full of stock in first-class shape, the roses being exceptionally well grown. After a fine hot supper and an hour spent socially the members adjourned. T. E.

Washington.

BUSINESS BRISK.

Business is still moving briskly. Prices are about the same in roses but carnations dropped immediately after Christmas. The New Year's trade was very satisfactory.

NOTES.

Geo. H. Cooke made the large floral anchor that was placed on the coffin of the late Ambassador Whitelaw Reid. It was made of white carnations with a purple chain of violets. This rested on a base of green Magnolia leaves and Woodwardia ferns, with each corner filled in with white Killarney roses. The anchor was draped with a large English flag. The order was received at the British embassy here by wireless from the ship.

Edward Dick, employed by Wm. H. Ernest, was struck by an automobile last Saturday. He was taken to the hospital and reports say he is doing very well.

The storm of last Friday morning did considerable damage to the establishment of Theo. Diedrick.

Geo. C. Shaffer has moved to his new store just across the street from the present one.

Wm. H. Ernest is just recovering from a severe attack of lumbago.

G. C. D.

Wichita, Kas.

Taken altogether the Christmas trade this year was very satisfactory. The trade began with the call for evergreen and holly. The higher price asked for evergreen rope for the last few years has cut down its use more than one-half. There was about the same quality of holly used as heretofore, some good stock on the market and some very poor. There was a good sale for holly and boxwood wreaths. Mistletoe, from Oklahoma mostly and of fine quality, retailed for 25 cents a pound. The demand for good blooming Christmas plants was the best ever, and the quality of stock offered in Lorraine begonias, cyclamen, Primula obconica, azaleas and poinsettias was very good with the supply equal to the demand. There was quite an increase in the sales of made-up baskets of plants. In cut flowers the trade was about as usual for Christmas. High prices had to be paid for stock and the retailer had to ask high prices also. Good roses in pink and white brought \$3.00 a dozen, with reds selling at \$4.00 to \$5.00. American Beauties brought from \$6.00 to \$12.00 a dozen. The weather conditions were ideal. This simplified greatly the always serious problem of deliveries. The prospects seem good for a continued good winter season for the trade.

W. H. C.

Mentor, O.

The Carl Hagenburger Co. has again taken over its former store at Euclid avenue and One Hundred and Fifth street, Cleveland. They had a splendid holiday trade at both the Cleveland and the Painesville stores.

James Knight of Willoughby had such a good business at home that he had very little to sell to the outside trade. He is doing considerable planting on a private estate near by.

Wm. Hagenburger, head gardener for the Lake Shore and Michigan Southern railroad, is on a trip through California and the southern states.

C. H.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association

WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449 176 N. Michigan Ave.

Chicago

Sweet Peas

and

Killarney Roses

Of Fine Quality

In Large Quantities

Current Price List.

Subject to change
without notice.

Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00			
Killarney.....per 100	10.00	8.00	6.00	5.00	4.00		
White Killarney.....	10.00	8.00	6.00	5.00	4.00		
My Maryland.....	10.00	8.00	6.00	5.00	4.00		
Richmonds.....	10.00	8.00	6.00	5.00	4.00		
Mrs. Aaron Ward.....	10.00	8.00	6.00	5.00	4.00		
Sunburst.....	10.00	8.00	6.00	5.00	4.00		
Carnations.....	5.00	4.00	3.00	2.00			
Lily of the Valley.....	4.00	3.00					
Violets, Extra fine single.....	1.50	1.00					
Double.....	1.50	1.00					
Sweet Peas.....	1.50	1.00					
Romans.....	4.00	3.00					
Paper White Narcissus.....	3.00	2.00					
Jonquills.....	4.00	3.00					
Stevia.....	2.00	1.50					
Easter Lilies.....	15.00	12.50					
Daisies.....	1.00						
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00				
Asparagus Sprengeri Sprays..	3.00	2.00					
Mexican Ivy.....	.60						
Smilax.....	16.00	12.50					
Galax, Green and Bronze.....per 1000	1.00						
Ferns.....	2.00						
Boxwood.....bunch	.25						
Adiantum.....per 100	1.00	.75					

Tacoma, Wash.

HOLIDAY TRADE IMMENSE.

Never in the history of this city has there been such a volume of business for the holidays. All kinds of tradesmen give the same report and the florists were simply rushed to the limit. Weather conditions were almost ideal for handling plants and cut flowers. Practically any kind of plant could be delivered to any part of the city unwrapped without injury. Truly this is a favored climate for florists during the winter, so far as deliveries are concerned. The call for cut flowers in brighter colors never was greater and plants with any bright color sold quickly. Some very fine red roses from California were handled at a very reasonable price. Violets from the same place were plentiful and in excellent condition. Carnations and chrysanthemums were in liberal supply. The quality was not quite up to the standard, but they brought the cash promptly. Never before was the call so great for English holly and the cedar festooning or wreathing was very liberally used. There were 650 yards in one hotel. Many funerals have made a demand for quantities of all white flowers. Prices were same as in 1911.

NOTES.

Looking backward we can judge the year 1912 to be the best ever in the history of Tacoma from a business point of view for all our florists. Those growing vegetables may be included. Looking forward we find every indication of another year just as good or better, even though the dull days of August are certain to come, we hope the sales may pay expenses and every one reach the year 1914 with the same success that finds the year 1913 at its beginning.

The California Florists certainly had the call for cedar wreathing, and were

kept busily employed making it for a week or ten days before Christmas. The manager stated that sales of plants and cut flowers made a small increase over last year. The late improvements made to their store adds much to its beauty and convenience.

The new store lately opened up at 937½ South C street by Mrs. Watson proved one of the busiest places in our city, and although small as regards floor space, is a beauty, and will be a profitable place. She now has two stores and both were rushed to the limit during the Christmas season.

The Tacoma Floral Co. was sold out of both cut flowers and plants and the firm members and employees locked up and came down down to enjoy themselves Christmas Eve.

H. W. Manike had excellent business and his plants brought good prices and sold well. There was nothing left in the way of colors in either cut flowers or plants.

The Smith Floral Co. of 1116 S. C street was rushed and sold great quantities of carnations and pot plants, mostly of their own growing.

The Fifi Floral Co., which had lately started selling plants and cut flowers at the public market, is the only firm to report business poor.

H. H. Hinze enjoyed splendid business and sold all his own cut flowers and a great lot he bought. His plants sold well, also. S. L. H.

ROCHESTER, N. Y.—The first annual meeting of the American Buttercup Club will be held here in January.

BROOKLINE, MASS.—Albert H. Woods, the local florist who shot and killed Thomas Goldrop last fall after the latter had stolen a quantity of violets, pleaded guilty to a charge of manslaughter, December 18. His case was continued until the April term of court and he was released on \$3,000 bail.

Sphagnum MOSS

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Spiraea Clumps

Per 100

Gladstone.....\$ 8.00
Floribunda..... 6.00
Japonica..... 5.00

Lilies

Per 1000

Giganteum, 7-9,..... 55.00
" 9-10,..... 90.00
Multiflorum, 7-9,..... 45.00

Vaughan's Seed Store,

Chicago. New York.

BOYERTOWN, PA.—Thomas Abrahams, a local florist, and Miss Verna March were married December 27.

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.

Long Distance Phone
Central 3598.

ERNE & KLINGEL

WHOLESALE FLORISTS

30 E. Randolph St.

L. D. Phone, Randolph 6578

CHICAGO, ILL.

Philadelphia Notes.

The mushroom industry is booming in Chester county. A number of the growers have had good crops and prices have averaged very well, ranging from 35 to 40 cents a pound all through the fall. The market is now strong at 40 cents. One of the important factors in the successful culture of the mushroom is good spawn and this is furnished successfully by the Brandywine Mushroom Co. This company is building a new plant on an extensive scale in Manchester. J. B. Swayne, Edward H. Jacob, and Morris Darlington are the men interested and they expect to go into the business of raising and producing pure culture spawn in large quantities. Their plant now in course of erection will occupy a whole square of ground and will be most complete in all details. Morris Thompson of Toughkenamon is refilling his beds for a second crop and has twenty-eight carloads of manure on hand to replace that in his twelve large houses.

A severe windstorm last Friday did considerable damage to greenhouses, all loose glass being caught by the gale and destroyed. The force of the storm was terrific and it is a wonder that more damage was not done. The wind was the most violent in the records of the weather bureau for this season.

Robert Craig says of their Christmas trade that it was the largest and best in the history of the firm. He now sees a great business looming up for Easter and the whole force are now bending all their efforts to getting the stock ready in time. They will be very strong on rambler roses.

A retail florists' association is about to be organized in this city, the object being for mutual benefit socially, but more particularly in a business way. John Gracey is one of the active men in this movement and sees great benefit to the retail trade if a majority of them will get together.

The dinner and theatre party given to the employees of the House of Rice last week by B. Eschner was a most enjoyable affair and will long be remembered by the recipients.

The Jos. Heacock Co. says its December business broke all records. His firm's large rose houses at Roclofs were in full crop and were all marketed at good prices.

Berger Bros.' central market is running strong on violets, choice Lady Campbell being handled in quantity. Select Richmond roses are also a special feature.

The Leo Niessen Co. has as a leader American Beauty roses of the best stock and in the largest quantities ever seen on this market.

There was a very good attendance at the January meeting of the Florists' Club on Tuesday last.

Ed. Reid is strong on carnations, exceptionally fine stock of white and pink Wards being offered.

K.

Batavia Greenhouse Co.

KILLARNEYS BEAUTIES CARNATIONS

And All Other Seasonable Flowers
at Lowest Market Prices.

30 E. Randolph St., CHICAGO

Nashville, Tenn.

HOLIDAY TRADE GOOD.

The holiday trade was eminently satisfactory and everybody did a good business. Christmas eve was very sloppy and disagreeable and hurt some, but on the whole all went well. Flowers were exceptionally good and plentiful and there was no increase in prices but they were good. There was an equal demand for both cut flowers and potted plants with, perhaps, a preference for azaleas and poinsettias with asparagus. Hyacinths, narcissi, begonias and other pot plants sold very well. Since the holidays trade has been very good and shows no prospect of dropping down.

McIntyre Bros. introduced an innovation in the way of having a day for sales on roses. They had quite a large cut and put them on the market at sixty cents a dozen. There was a rush for the flowers but it made no appreciable difference in the general trade of the other florists. They had on sale sixteen hundred roses of Killarney, Richmond, Perle and other popular varieties. From time to time they expect to have similar sales.

M. C. D.

Wheeling, W. Va.

INCREASE OF 25 PER CENT.

Business was at least 25 per cent better this season than last, says Geo. F. Smith. Prices were about the same except for carnations, which were 50 per cent higher. The cut-flower supply was ample. Bulbous flowers were all sold out. The quality of stock this year compared favorably with that of last season. Cyclamens sold the best of all pot plants. The flower trade shows a substantial growth in common with other local industries.

NOTES.

The Christmas displays by A. Langhans and the Misses Forbes & Donahue were said to be the finest ever seen in this city.

Fred C. Welsgerber has added flowers to his line of fruit and produce.

Peoria, Ill.

B. Juerjens & Co. report a ten per cent increase in Christmas trade this year. Prices were better. Carnations were short, but other cut flowers were plentiful. In bulbous stock the supply and demand were both good. The quality was better than last year except for carnations. Plant baskets sold well. Azaleas and

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.



Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

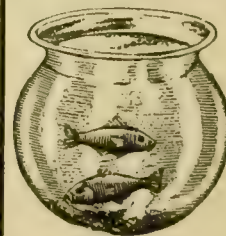
EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH



"Something
Alive in the
Window"

Catches
the public eye.

Order your
supply now.

\$3.00 per 100
and up.

Write for catalog

AUBURNDAL GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave.,

CHICAGO

cyclamen cleaned up nicely. Holly and all cut greens sold out entirely.

T. Watton, superintendent of parks, has an excellent display of poinsettias that is attracting much attention. His chrysanthemum exhibition in November drew large crowds. He has put the public parks in fine condition since he became superintendent.

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House
66 E. Randolph Street, Phone Central 1496. **CHICAGO**
Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS
163-165 N. WABASH AVE. **CHICAGO**
 L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
 Decorating Specialists.

Headquarters for

**Mexican Ivy,
 Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

E. C. AMLING CO.

THE LARGEST,
 BEST EQUIPPED,
 MOST CENTRALLY LOCATED
 WHOLESALE
 CUT FLOWER HOUSE
 IN CHICAGO.

68-70 E. RANDOLPH STREET

CHICAGO.

L. D. 'Phones Central 1978 and 1977.

ROSES

White and Pink Killarney and Richmond
 Roses. Red, White and Pink Carna-
 tions. Callas, Sweet Peas, and
 Greens of all kinds.

W. E. Trimble Greenhouse Co.
Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
 Killarney and White Killarney roses. All
 orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

HOERBER BROS.

Wholesale Growers of **Cut Flowers**

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., **CHICAGO**

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
 Our Specialties.

Frederickton, N. B.

The sales were about the same this Christmas as in 1911, according to John Bebbington & Son, who say prices were considerably higher. The supply of cut stock was equal to the demand. Paper White narcissi sold well for church decoration. The quality of the stock was the best ever sold. Carnations led, with roses second. Flowering azaleas, cyclamen and begonias all sold well. People were willing to pay the price for all goods.

John Bebbington & Son had a large amount of funeral work in addition to the usual Christmas trade.

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Wholesale Flower Markets

CHICAGO, Jan. 8.	Per doz.
Roses, Beauty, specials.....	\$5 00@ \$6 00
" " 36-in.....	4 00
" " 30-in.....	3 00
" " 24-in.....	2 50
" " 15-20-in.....	1 50@ 2 00
" " 12-in.....	1 00
" " Short.....	Per 100
" Killarney.....	\$6 00@ 10 00
" White Killarney.....	4 00@ 10 00
" Richmond.....	4 00@ 10 00
" Prince de Bulgarie.....	4 00@ 10 00
" Radiance.....	4 00@ 10 00
" Mrs. Aaron Ward.....	4 00@ 10 00
" My Maryland.....	4 00@ 10 00
" Melody.....	4 00@ 10 00
" Mrs. Jardine.....	4 00@ 10 00
" Lady Hillingdon.....	4 00@ 10 00
" Sunburst.....	4 00@ 10 00
Carnations.....	2 00@ 4 00
Cattleyas.....per doz., 6 00@ 7 50	
Gardenias.....	3 00@ 4 00
Lilium Harrisii.....	12 50@ 15 00
Narcissus, Paper White.....	3 00@ 4 00
Orchids, Dendrobium, per doz.,	4 00
Romans.....	3 00@ 4 00
Tulips.....	3 00@ 4 00
Stevia.....	1 50@ 2 00
Violets.....	1 00@ 1 50
Valley.....	3 00@ 4 00
Sweet Peas.....	1 00
Adiantum Croweanum.....	1 00
Boxwood.....per lb.,	25
Ferns.....per 1000,	2 00@ 2 50
Galax.....	1 25
Leucothoe.....	75
Mexican Ivy.....per 1000,	5 00@ 6 00
Plumous Strings, each,	50@ 60
Smilax.....per doz.,	1 50@ 2 00
Sprenger, Plumous Sprays.....	3 00@ 4 00

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
 Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing

WIETOR BROS.

Wholesale **CUT FLOWERS**
 Growers of

All telegraph and telephone orders given
 prompt attention.

162 N. Wabash Ave., CHICAGO



Mention the American Florist when writing

C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and Greens

DOVES

First quality, per dozen \$10.50.

Six for \$5.25,

Each \$1.00.

Get my price list of other supplies.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Philadelphia.

NEW YEAR'S ONLY ORDINARY.

Since the Christmas rush things here have quieted down but there still continues a fair demand. New Year's had not much of a holiday flavor, being in most stores just a good, busy day. Prices have fallen considerably, in some cases 50 per cent. Special Beauties are now offered at this discount from Christmas prices. The quality of the stock in all lines is about at its best. There is a great variety in all lines. Sweet peas are becoming a factor. Some very good long stemmed stock is offered. Single violets have been quite scarce and have sold at higher figures than the doubles. White lilac is now seen in quantity and is in good demand. Calla lilies are now a staple and to be had in quantity. Choice snapdragon finds a ready sale at good prices. Carnations are a little easier and in good demand. Daffodils are much in evidence. Golden spurs are expected in a week or so. K.

Boston.

BAD WINDSTORM.

Rain and warm weather ended Friday with one of the worst windstorms we have had in many years. Boston had the lowest barometer reading in 40 years. It started blowing in the afternoon and ended in an 80-mile gale from the south, turning to the west towards morning and blowing 60 miles. Considerable glass was blown out even in new houses. The growers had an anxious night, and many of them were missed in Boston Saturday morning. The market is not overloaded with flowers. New Year's cut quite a figure this year. Many parties were given, and considerable flowers used. Neither roses nor carnations are too plentiful. Some of the flowers we noticed Saturday were not up to the standard of the week previous, being cut before they were half open. American Beauty, Mrs. Russell and valley head the list at present.

We noticed some fine pink and white lilies at Welch Bros.

MAR.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Jan. 8.	Per 100
Roses, Beauty, extra.....	40 00@60 00
" first.....	12 00@25 00
" Brides and Maids.....	6 00@12 00
" Killarney.....	6 00@15 00
" White Killarney.....	6 00@15 00
" Liberty.....	6 00@15 00
Carnations.....	5 00@ 8 00
Cattleyas.....	35 00@50 00
Gardenias..... per doz.,	3 00@4 00
Lilium Harrisii.....	10 00@12 00
Lily of the Valley.....	3 00@ 5 00
Calla Lilies.....	16 00
Marguerites.....	1 50@ 2 00
Snapdragons.....	15 00@25 00
Sweet Peas.....	1 00@ 1 50
Violets, single.....	1 00@ 1 50
" double.....	1 00@ 1 50
Poinsettias.....	20 00@25 00
Adiantum.....	75@ 1 00
Asparagus..... per bunch,	50
Smilax.....	15 00@20 00

PITTSBURG, Jan. 8.	Per 100
Roses, Beauty, special.....	25 00
" extra.....	12 00@20 00
" No. 1.....	6 00@10 00
" Killarney.....	2 00@ 6 00
" My Maryland.....	2 00@ 6 00
" Richmond.....	2 00@ 4 00
Asters.....	1 00@ 4 00
Cattleyas.....	50 00
Chrysanthemums..... doz.,	2 00@3 00
Gladioli.....	2 00@ 4 00
Lilium Auratum.....	5 00
Lilium Longiflorum.....	10 00@12 00
Lilium Rubrum.....	5 00
Lily of the Valley.....	4 00
Oncidiums.....	3 00@ 4 00
Adiantum.....	1 00
Asparagus Sprengeri, per bunch,	35@40
Sprays..... per bunch,	35@40

MILWAUKEE, Jan. 8.	Per 100
Roses, Beauty, per doz.,	2 00@5 00
" White and Pink Killarney,	6 00@12 00
" Richmond.....	6 00@12 00
Carnations.....	2 00@ 5 00
Callas..... per doz.,	1 50
Lilium Giganteum..... per doz.,	1 50@ 2 00
Lily of the Valley.....	3 0' @ 4 00
Red Berries..... per case,	2 00@ 4 50
Stevia.....	2 00@ 3 00
Sweet Peas.....	1 00@ 1 50
Violets, Wisconsin grown.....	1 00@ 1 50
Adiantum.....	1 50
Asparagus..... per string,	50
Sprengeri, per bunch,	35
Boxwood..... per bunch,	25
Ferns, common.....	2 00
Galax..... per 1000,	\$ 1 50
Smilax..... per doz.,	1 50

¶ We extend to all of our
patrons A Happy and
Prosperous New Year.

WINDLER WHOLESALE FLORAL CO.

1310 Pine Street ST. LOUIS, MO.

Phone: Olive or Central 1474

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Increase Your Sales-- OFFER YOUR CUSTOMERS NOVELTIES.

Pussy-Willow, White Lilac, Pansies, Lupines, Bouvardia, Mignonette. Can furnish this stock in quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Jan. 8.	
Roses, Beauty, special.....	per doz., \$6 00
" " fancy.....	5 00
" " extra.....	4 00
" " No. 1.....	3 00
" " No. 2.....	1 00
Per 100	
" Maid and Bride.....	5 00@ 8 00
" Pink Killarney.....	6 00@15 00
" White Killarney.....	6 00@15 00
" Richmond.....	6 00@15 00
" My Maryland.....	5 00@ 8 00
" Aaron Ward.....	6 00@10 00
Carnations.....	3 00@ 5 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 50@ 3 00
Jonquils.....	4 00
Stevia.....	1 00
Swainsona.....	50@ 1 00
Violets.....	1 00@ 1 25
Mignonette.....	3 00@ 5 00
Daisies.....	1 00@ 2 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....	per 1000, \$2 00
Galax.....	per 1000, \$1 50
Smilax.....	15 00

BOSTON, Jan. 8.	
Roses, Beauty, best.....	50 00@75 00
" " medium.....	20 00@35 00
" " culls.....	8 00
" White and Pink Killarney.....	4 00@ 8 00
" " Extra.....	12 00@16 00
" Taft.....	4 00@12 00
" Cardinal.....	4 00@12 00
" Ward and Hillingdon.....	4 00@20 00
" Killarney and Richmond.....	4 00@12 00
" My Maryland.....	4 00@10 00
Carnations, select.....	2 00@ 5 00
Callas.....	8 00@12 00
Cattleyas.....	40 00@60 00
Gardenias.....	35 00@50 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	75@ 1 00
Smilax.....	12 00@16 00
Violets, single.....	75@ 1 00
" double.....	50@ 75

CINCINNATI, Jan. 8.	
Roses, Beauty.....	per doz., \$1 00@5 00
Per 100	
" Bride, Bridesmaid.....	3 00@ 8 00
" Killarney.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Perle.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Taft.....	3 00@ 8 00
Carnations.....	3 00@ 4 00
Callas.....	12 50@15 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....	per doz., 9 00
Poinsettias.....	1 00@ 3 00
Narcissus.....	3 00
Jonquils.....	3 00@ 4 00
Roman Hyacinths.....	3 00
Violets.....	75@ 1 00
" double.....	75@ 1 00
Adiantum.....	75@ 1 00
Asparagus Plumosus.....	per bunch, 25
Asparagus Sprenger.....	per bunch, 25
Gladioli.....	per doz., 2 50
Mexican Ivy.....	75

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Atlanta Floral Commission Co.

Consignments Solicited.

A ready market for anything.

Write for prices and terms.

Atlanta, - - : - - Ga.

St. Louis, Jan. 8.	
Roses, Beauty, long.....	per doz., 4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	3 00@ 6 00
" My Maryland.....	3 00@ 8 00
" White Killarney.....	4 00@ 8 00
Carnations.....	1 50@ 2 50
Easter Lilies.....	10 00@12 50
Lilium Rubrum.....	8 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu.,	35@60
Ferns, New. Fancv.....	1 75

CONCORDIA, KAN.—C. J. Lampe, proprietor of the Concordia Greenhouse, reported his Christmas trade as the best he ever experienced. His cut flowers were all sold and plants went well, also.

—THE—
J. M. McCullough's Sons Co.,
Wholesale Commission Florists.
—CONSIGNMENTS SOLICITED—

Special attention given to Shipping Orders

**Jobbers of FLORISTS' SUPPLIES,
SEEDS and BULBS.**

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

**Wholesale Commission Florist
Consignments Solicited**

Complete Stock of Florists' Greens and Supplies

Edward Reid

WHOLESALE FLORIST,

1619-21 Ransdell St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street, PITTSBURGH, PA.

New York.

NEW YEAR'S TRADE ONLY FAIR.

Monday, December 30, opened with a violent rain storm which continued throughout the day and practically tied up business. No exceptions could be taken to the weather of December 31 and New Year's Day, both being fair and very mild for winter. As an instance, the street door of practically every wholesale store was wide open throughout New Year's eve and no discomfort was felt. On the other hand, buying was very light. There seems to be a perplexing feature here as to the effect the weather has on business. When it storms, it is said, it hurts business, which is plausible, but when the weather is delightfully mild, we also hear it said: "This is bad for business because it takes the people out of the city." Let us hope for a happy medium, for the business needs it. However, there were plenty of people in the city on New Year's eve, but to many of them at the time the beauty and delight of flowers would have meant nothing. New Year's business, as one wholesaler expressed it, was just about the same as a good Saturday. The wholesale stores were open till midnight on New Year's eve but there was little doing. On some stocks there was a slight advance, but it was spasmodic. The ruling prices on leading stocks were: special American Beauty roses, \$35.00 and \$40.00 a hundred; special Killarneys, \$12.00 a hundred; special violets, \$1.00 and \$1.25 a hundred; Jardine's, \$4.00 and \$6.00 a dozen; lilies, \$8.00 and \$10.00; valley, \$3.00 and \$4.00; cattleyas, 50 and 60 cents each. These prices, it will be noted, were only for the freshest stock. Carnations sold as high as \$8.00 a hundred, but most of them went for less. Lilacs, jonquils and freesias are now to be had.

January 6—Business is very slow with a general decline in prices on nearly every stock. This is very noticeable in roses and carnations. American Beauties and the special grades of tea roses are hard to move. There is a surplus of Paper White narcissi. Tulips are arriving in small lots but few good ones are seen.

We regret to state that Philip Einsmann, a well-known grower of Long Island and prominently connected with the New York Cut Flower Exchange, is in a local hospital and grave concern is felt for the condition of his health.

FLOWERS FOR REID FUNERAL.

The funeral of Whitelaw Reid, late ambassador to Great Britain, which was held January 4 at the Cathedral of St. John the Divine, was notable for the many beautiful floral tributes sent by people in every walk of life. There were flowers that had been ordered by the king and queen of Great Britain, by the president of the United States and other high officials, by the employees of the New York Tribune, of which Mr. Reid was for years editor, and from the Captain and company of the British battleship which bore his remains to his native land. Many of the designs were arranged by local florists and some came from other cities. F. W. Smyth of Wadley & Smyth of this city was in charge of the arrangement of flowers at the cathedral and his firm also executed a number of fine designs. Others were executed by Chas. Thorley, I. H. Small & Sons, Geo. M. Stumpp, Alex. McConnell and Peter McHenry. The last named made up a wreath which contained 10,000 violets. A notable design came from Washington, D. C. It was a large anchor, mostly of white carnations, and was the work of George H. Cooke, one of the best known florists of that city. It had been ordered by wireless by the captain of the ship on which the body of the late ambassador was borne to this port. Through the courtesy of officers of the United States battleship Florida, the representative

of THE AMERICAN FLORIST was taken aboard the British ship to deliver this design.

NOTES.

The retail business founded and for many years conducted by Adolph Le Moutt at 202 Bowery, has, since his death, been continued and is still under competent management. It is in some of these old stores that we frequently find interesting souvenirs of the past. For years Mr. Le Moutt made a practice of having his best designs photographed. There are albums filled with photographs, some of them dating back for more than forty years, and the exhibit is intensely interesting.

A daily feature at P. J. Smith's is the fine Liliun rubrum which he receives from A. S. Burns, Jr., Spring Valley, N. Y. This reminds us that the Burns family has a fine record in the flower trade of this city. William Burns is still a retailer with a fine store and business at 840 Sixth avenue. In conjunction with his brother, A. S. Burns, Sr., now retired, the business has been in existence for more than forty years.

The great wind storm of January 3 did considerable damage in and about this city. At Charles Thorley's House of Flowers the plate glass show window, fronting on Fifth avenue, was blown out. An eighty-mile gale, as all growers know, whistles through a greenhouse, and on January 4 there were indications that its effect would be shown in a lighter supply of stock for the next week.

A redeeming feature on a declining market Jan. 6 was the Purity freesias which J. K. Allen received from P. J. Schroeder, Pine Brook, N. J. They wholesaled at \$9.00 a dozen bunches. Mr. Allen also received very fine My Maryland roses.

I. S. Hendrickson, representing John Lewis Childs, Floral Park, N. Y., was in the city January 6. He is just recovering from a severe attack of bronchial pneumonia and it was a pleasure to his many friends to see him about.

P. Hamilton Goodsell, importer of nursery stock, who has been for some time confined to his home by blood-poisoning affecting one of his hands, is much improved and will soon be back to business.

Paul Meconi and wife are enjoying their honeymoon and business together, not allowing one to interfere with the other. Both have been daily at their store, and have had a good holiday business.

Alfred Van Praag, of 4 West Fortieth street, reports a good holiday business. He deserves it as the store was kept well supplied with good stock and has a competent force of designers and decorators.

At the Madison avenue store of C. A. Dards, on January 4, we noticed very handsome baskets of spring flowers. Jonquils, freesias and both white and yellow daisies were prominent.

Harry Bunyard of A. T. Boddington's seed store was in Twenty-eighth street January 4 smiling and happy, which, it may be added, is a habit with him and it is a good one.

Horace E. Froment and his staff have got rested after their strenuous Christmas business, but are by no means idle, for a big supply of roses is a daily feature.

A jarring note in trade is the strike of 200,000 garment workers and if it continues the effects will, to some extent, be felt in the flower trade.

In his fine new store, 107 West Twenty-eighth street, William P. Ford is handling fine American Beauties and much other excellent stock.

J. K. Allen is receiving a variety of roses and other good stock, among them some fine carnations from Robert Berry, Summit, N. J.

James McManus seems much pleased with his new location and is keeping

up his reputation as an orchid specialist.

Foley's Express, one of the institutions of West Twenty-eighth street, has recently added a fast auto-truck.

Among the many features at the store of Siebrecht & Siebrecht, Inc., is their fine stock of gardenias.

Percy B. Rigby of the S. S. Pen-nock-Meehan Co. is cheerful over holiday business and the outlook.

A. F. F.

Albany, N. Y.

HOLIDAY TRADE GOOD.

Reports from the retailers on the holiday business are optimistic. That the volume was equal to a year ago there can be no doubt and some say that the New Year's demand was even better than at the same period in 1912. Plants with red or scarlet flowers sold well and little of this class of stock remained. Cut flowers were high in price but sold satisfactorily. Carnations sold exceptionally high because the retailers had to pay the growers \$12 and in a few cases \$15 a hundred for them, but this was owing to the great scarcity of the stock.

NOTES.

Endorsement of the new parcels post system which went into effect on January 1 was one of the notable incidents at the January meeting of the Albany Florists' Club. An address on its advantages was given by William C. Gloeckner, a prominent retailer and president of the Boosters' Club of the Albany chamber of commerce. The club also endorsed the DeForest bill, the purpose of which is to make this city a customs district through which the imports for a large section of the state will pass. The growers in the territory favor this bill. The meeting was the first held in the new headquarters, the Albany Cut Flower Exchange, 76 Maiden Lane. The officers for 1913 were installed as follows: Frederick Henkes, president, Newtonville; Frank R. Bilson, vice-president; Patrick Hyde, treasurer; Robert Davidson, secretary. William M. Quinn of the city bureau of parks was elected a member.

Fire on the evening of December 30 damaged the interior of the boiler house of James H. Snyder, violet grower, at Rhinebeck. With the assistance of the local fire department the flames were soon under control. Mr. Snyder carried no insurance. The fire did not damage the boilers enough to put them out of service.

Among the recommendations in the annual report of Wallace Greenalch, commissioner of public works, transmitted to Mayor McEwan, is one for a large greenhouse to be built in Washington park to contain the rare plants now in the park greenhouses on New Scotland avenue, where few persons see them.

R. D.

Rochester, N. Y.

Business for the month of December was very satisfactory. Flowers for New Year's were very good. Violets were in great demand and reached from \$3 to \$4 a hundred. Roses were in good demand and brought high figures. Japanese Lilies have been added to the market's assortment and find a good sale. Carnations are a little more plentiful and prices hold good.

NOTES.

The next meeting of the Rochester Florists' Association will be held January 13. The election of officers will take place.

Harry Merritt shipped 6,000 cuttings of White Wonder and Delight carnations to a new customer recently.

H. E. Wilson is showing a fine selection of Dutch flowering bulbs.

J. B. Keller's Sons had a good Christmas trade.

H. P. Neun reports a very good business.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Siebrecht & Siebrecht, Inc.**

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Visitors for the past week were Ernest O. Pieper, manager of the Braslan Seed Growers' Co., San Jose, California; Morris Verton, Dunkirk, N. Y.; L. C. Routzahn of Routzahn Seed Co., Arroyo Grande, Calif.; Julius Diloff of Schloss Bros., New York.

H. J. H.

Connecticut Horticultural Society.

The annual meeting of this society was held December 13. The members are encouraged to bring horticultural products for exhibition at each gathering, and the society's large central table was filled with begonias, poinsettias, sweet peas, bouvardia, tomatoes and mushrooms. The judges were George H. Hollister, Carl Peterson and T. B. Brown. They made awards as follows: first-class certificate to President John F. Huss for Glory of Cincinnati, Gloire de Lorraine, Turnford Hall and La Patrie begonias; certificate of merit to Warren S. Mason, of Farmington, for vases of bouvardia; first-class certificate to Vice-President J. Alfred Weber for vases of Euphorbia plenissima (double) and pulcherrima (single); first-class certificate to William H. MacKenzie, of Bristol, for vase of sweet peas; first-class certificate to Alfred Cebelius, of Hartford, for basket of Dreer's Superb Salad tomatoes. Thanks were also extended to Mr. Weber for 21 mushroom caps, all grown on one clump.

The president's, treasurer's and secretary's reports all showed the society to be in a flourishing condition, with a large membership and a goodly sum in the treasury. Two shares of Aetna Life stock have been added to the permanent investment fund during the year. The election of officers resulted as follows: John F. Huss, president; J. Alfred Weber, Alex. Cumming, Jr. and Carl Peterson, vice-presidents; George W. Smith, secretary; W. W. Hunt, treasurer; William T. Hall, librarian; George W. Smith, botanist; C. H. Sierman, pomologist; John Gerard, George B. Baker, George H. Hollister, Howard A. Pinney, and Alex. Cumming, Jr., executive committee.

All the county vice-presidents were re-elected, as follows: Litchfield, Walter Angus, Chapinville; Fairfield, Charles H. Plump, West Redding; New Haven, John H. Slocombe, New Haven; Windham, Frank M. Smith, Willimantic; Tolland, Theodore Staudt, Rockville; Middlesex, Arthur A. Curtis, Deep River. Mr. Huss, after long and indispensable services as president, desired to be relieved, but was prevailed upon to continue his efficient leadership. The treasurer and the secretary were pleased to have the auditing committee, Messrs. Cumming, Baker and Gerard, add the following kind paragraph to their report: "Your committee also wishes to extend their compliments to both the treasurer and the secretary for their neat, accurate, and systematic methods of recording the society's business." The society will enter upon 1913, the twenty-fourth year of its corporate existence, under very favorable auguries.

GEORGE W. SMITH, Sec'y.

Melrose, Conn., Dec. 23, 1912.

SAVANNA, ILL.—The boiler room of the Gabourie greenhouse was damaged by fire December 22. The greenhouse proper was not affected by the fire.

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable **Cut Flowers, Florists' Supplies** and **Green Goods** furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

Paul Meconi

Wholesale Florist

55-57 West 26th Street
NEW YORK CITY

Telephone: 3864 Madison Square

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Jan. 8. Per 100

Roses, Beauty, special.....	25 00@40 00
" " extra and fancy ..	15 00@25 00
" " No. 1 and No. 2...	2 00@10 00
" " Bride, Bridesmaid special.	5 00@ 6 00
" " extra and fancy.....	3 00@ 5 00
" " No. 1 and No. 2.....	1 00@ 3 00
" " Killarney, My Maryland..	6 00@ 8 00
" " extra and fancy ..	4 00@ 6 00
" " No. 1 and No. 2 ..	1 00@ 3 00
" " Hillingdon, Aaron Ward.	2 00@10 00
" " Richmond.....	5 00@15 00
" " Sunburst, special.....	6 00@10 00
" " Taft, special.....	10 00@15 00
" " Mrs. Geo. Sawyer, special.	15 00@25 00
✓ Carnations.....	3 00@ 6 00
✓ Jonquils.....	2 00@ 4 00
✓ Cattleyas.....	25 00@50 00
✓ Gardenias.....	10 00@50 00
✓ Lilies, Longiflorum and Harrisii	6 00@ 8 00
✓ Lily of the Valley.....	2 00@ 4 00
✓ Narcissus, Paper White.....	1 25@ 1 50
✓ Sweet Peas...per doz, bunches,	50@ 1 00
✓ Violets.....	35@ 50
✓ Adiantum Croweanum.....	15@ 50
✓ Asparagus Plumosus...doz, bcbs,	1 50@ 3 00
✓ Smilax.....per doz, strings,	1 00@ 1 50

PITTSBURG, PA.—Improved concrete benches, etc., attracted many florists to the recent cement show held here.

SAN FRANCISCO, CALIF.—The California State Floral Society will give a spring show of bulbs and wild flowers March 27-29.

WILLIAMSTON, MICH.—C. L. Going has completed a greenhouse which is said to be one of the most modern in the state.

CHAMPAIGN, ILL.—New floricultural and vegetable buildings will be erected by the University of Illinois. Work will begin immediately.

CHAMPAIGN, ILL.—The work of remodeling the greenhouses of Thomas Franks & Son has been completed. A twenty-five foot extension has also been added to the office.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W. 28th St., bet. Broadway and Sixth Avenue, NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

ALEXANDER J. GUTTMAN, Inc.THE WHOLESALE FLORIST
OF NEW YORK

55 W. 26th St., (Coogan Bldg.)

Phone 1912 Madison Square. Terms Cash

Mention the American Florist when writing

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

Mention the American Florist when writing

Florists' Telegraph Delivery

(Retailers' Section—S. A. F. & O. H.)

Mutual discounts, 20 per cent.

Provision for guaranteed accounts.

Write for particulars to

ALBERT POCHELON, Secretary, 153 Bates St., Detroit, Mich.

List of Members

Albany, N. Y., 40 Maiden Lane,	Danker, Fred A.	Mt. Vernon, N. Y., Columbia Ave.	Dummett, Arthur
Atlantic City, N. J., 1505 Pacific Ave.,	Berke, Geo. H.	New Castle, Pa., N. Mercer St.,	Bultz Bros.
Bloomington, Ill., 318 N. Main St.	Washburn, A. & Sons	Newark, O.	Duerr, Chas. A.
Boston, Mass., 342 Boylston St.,	Carbone, Philip L.	New London, Conn.	"Reuters'"
Boston, Mass., 43 Bromfield St.,	Penn, Henry	New York, N. Y., Madison Ave. and 44th St.	Dards, Chas. A.
Buffalo, N. Y., 304 Main St.,	Palmer, W. J. & Son	New York, N. Y., 427 Fifth Ave.	Siebrecht & Son
Chicago, Ill., 2223 W. Madison St.,	Schiller, The Florist	New York, N. Y., 1153 Broadway	Small, J. H. & Sons
Chicago, Ill., 31st and Michigan Ave.,	Smyth, W. J.	Northampton, Mass.	Field, H. W.
Chicago, Ill., 22 E. Elm St.	Wienhoeber Co., Ernst	Norwich, Conn.	"Reuters'"
Cincinnati, O., 138 E. 4th St.	Baer, Julius	Oklahoma City, Okla.	Stiles Co., The
Cincinnati, O., 150 E. 4th St.	Hardesty, T. W. & Co.	Parkersburg, W. Va.	Dudley & Sons, J. W.
Cleveland, O., 5523 Euclid Ave.	Graham, A. & Son	Paterson, N. J.	Sceery, Edward
Cleveland, O., 1836 W. 25th St.,	Knoble Bros.	Philadelphia, Pa., 1514 Chestnut St.	Pennock Bros.
Cleveland, O., 1284 and 1308 Euclid Ave.		Pittsburg, Pa., 5926 Penn Ave.	Randolph & McClements
Colorado Springs, Colo.	The Jones Russell Co.	Portland, Ore., 133 Sixth St.	Tonseth Floral Co.
Council Bluffs, Ia., 321 Broadway	Crump, Frank F.	Poughkeepsie, N. Y.	The Saltford Flower Shop
Danville, Ill.	Wilcox, J. F. & Son	Rochester, N. Y., 25 Clinton Ave.	Keller & Sons
Dayton, O., 112 S. Main St.	Smith, F. B. & Sons	Rockford, Ill.	Buckbee, H. W.
Denver, Colo., 1643 Broadway	Heiss Company	Scranton, Pa.	Clark, G. R.
Detroit, Mich., 153 Bates St.	Park Floral Co.	Seattle, Wash., 1534 Second Ave.	Hollywood Gardens
Detroit, Mich., Gratiot Ave. and Broadway,	Bemb Floral Co., The L.	Sioux City, Ia., 405 Douglas St.	Rocklin & Lehman
Fayetteville, Ark., 18 W. Center St.	Breitmeyer's Sons, John	Spokane, Wash., 11 Post St.	Hoyt Bros. Co.
Galesburg, Ill.		Springfield, Mass. 378 Main St.	Aitken, Mark
Hartford, Conn.	The Southwestern Seed Co.	St. Joseph, Mo.	Stuppy Floral Co.
Indianapolis, Ind., 241 Massachusetts Av.,	Pillsbury, I. L.	St. Louis, Mo., 7th and Washington Ave.,	Grimm & Gorly
Joliet, Ill., Hobbs Bldg.	Coombs, John F.	St. Louis, Mo., 7041 Florissant Ave.	Meinhardt, Fred. A.
Kalamazoo, Mich., 141 S. Burdick St.	Von Bochove & Bros.	St. Paul, Minn., 24 W. 5th St.	Holm & Olson
Kansas City, Mo., 913 Grand Ave.	Murray, Samuel	Terre Haute, Ind., 139 S. 7th St.	Aeini, John G. & Son
Kansas City, Mo., 1116 Walnut St.	Rock, W. L. Flower Co.	Toledo, O., 336 Superior	Freeman, Mrs. J. B.
London, Ont., Canada.	J. Gammage & Sons	Toledo, O., 2941 Cherry St.	Mrs. E. Suder
Louisville, Ky., Masonic Temple,	Baumer, August R.	Topeka, Kas., 112 W. 8th Street,	Mrs. Lord's Flower Room
Louisville, Ky., 550 S. Fourth Ave.	Schulz, Jacob	Washington, D. C., 1214 F St. N. W.	Gude Bros. Co.
Mankato, Minn.	Windmiller Co., The	Washington, D. C., 14th and G St.	Small, J. H. & Sons
Montgomery, Ala., 116 Dexter Ave.	Rosemont Gardens	Wheeling, W. Va.	Arthur Langhans
		Wichita, Kans., 145 N. Main St.	Mueller, Chas. P.
		Zanesville, O., 54 N. 5th St.	John D. Imlay

500 Members in 1915. Help Get Them.

When Can we add your name on this list?

Pueblo, Colo.

Business increased twenty per cent this season, according to G. Fleischer. The prices were the same as in 1911, except for carnations, which were higher as a result of a shortage. The stock was in sufficient supply. Bulbous flowers had a good demand and the supply was good, except in yellow narcissi. The quality of stock this year was better than last. There was an increased sale of flowering plants, especially cyclamen. Holly and holly wreaths sold well. The weather was fine and deliveries were made in open vehicles.

G. Fleischer has been sick with sciatic rheumatism since Thanksgiving, and was unable to attend to the Christmas trade in person.

Kentucky Horticultural Society.

The Kentucky State Horticultural Society will meet at Lexington January 9, which is "Horticultural Day" in the annual farmers' week, held by the state college of agriculture. The morning session will begin at 9 o'clock and there will be an address of welcome by Dr. J. H. Kastle of the college of agriculture. R. M. Cunningham, president of the society, will also deliver an address.

Others on the program are: O. A. Hasse, Cleveland, O., "Spraying;" John A. Keller, Lexington, "Value of Irrigation;" Prof. F. H. Ballou, Newark, O., "The Baby Tree;" C. B. Nichols, Fayette county, "A Blue Grass Orchard;" W. W. Farnsworth, Waterville, O., "Protecting the Orchard;" J. P. Fister, Lexington, "Growing Winter Vegetables Under Glass;" H. F. Hillemeyer, Lexington, "Trees for Forestry and Home Adornment;" W. W. Farnsworth, "Growing and Marketing Small Fruits;" J. E. Barton, state forester, Frankfort, "Outlook for Forestry in Kentucky;" Prof. F. H. Ballou, "Orcharding in a Hill Country;" J. H. Carmody, Lexington, "Extension Division of Kentucky Agricultural Experiment Station."

The society's annual meeting will be held in Henderson, January 23-24.

Lancaster Florists' Meeting.

On December 19 the usual large attendance of this club met and had a very good paper read by Harry Weaver of Bird-in-Hand, on the subject of "Should We Grow More of a Variety for Christmas?"; in which he emphasized the fact that a grower who is supplying the wholesale market

through a commission house is better off if he sticks to one or two things and grows them well. He also deplored the fact that in buying seeds for special crops that results were not nearly so good from bought seeds as could be procured later on from seeds of one's own growing and selection. In the discussion that followed it was generally conceded that situated as we are, a considerable distance from our market, it was best to stick to the standard flowers where growing for cut flowers was carried on.

A committee was appointed to arrange for a banquet after our next meeting, which will be a sort of banner affair, starting with a visiting trip to Strasburg at 1 P. M. Thursday, January 16, returning to Lancaster for the meeting, and after the meeting the banquet in the form of a social session. Any out of town florist who happens to be in the city on this date should meet the crowd at the traction waiting room and enjoy himself.

A. M. HERR.

NEVADA, IA.—Something like \$6,000 in greenhouse improvements was expended by the Blackman Bros. during 1912.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY
Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn, New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.
Greenhouses: Short Hills, N. J.

—Deliveries in—

NEW YORK, LONG ISLAND and NEW JERSEY.

Terre Haute, Ind:

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail,
Telephone, Telegraph and Cable orders with
best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled
promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Chicago.

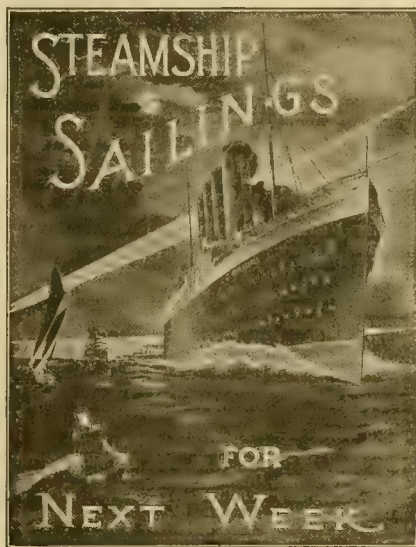
Des Moines.

ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the
city. All orders given prompt attention.



FROM NEW YORK EXCEPT AS NOTED.

January 14.

FROM BOSTON, Arabic, White Star, 3 p. m.

January 15.

Lusitania, Cunard.

January 16.

La Savoie, French, 10 a. m., Pier 57, North

River.

Uranium, Uranium.

President Grant, Ham.-Amer., 12 noon.

Breslau, North Ger.-Lloyd, 10 a. m.

FROM ST. JOHN, Donaldson.

January 17.

FROM ST. JOHN, Grampian, Allan.

Germania, Fabre, 3 p. m.

January 18.

FROM HALIFAX, Grampian, Allan.

FROM PORTLAND, Ausonia, Cunard.

Franconia, Cunard.

Philadelphia, White Star, 9:30 a. m.

FROM PORTLAND, Canada, White Star Dom.,

10 a. m.

Duca D'Aosta, Navigazione, Pier 64, North

River.

FROM BALTIMORE, Chemnitz, North Ger.

Lloyd, 2 p. m.

Thames, Royal Mail, Pier 42, North River.

January 21.

FROM BOSTON, Ivernia, Cunard.

Cedric, White Star, 12 noon.

New Amsterdam, Holland-America, 10 a. m.

Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.

January 22.

Mauretania, Cunard.

January 23.

FROM PORTLAND, Corinthian, Allan.

La Provence, French, 10 a. m., Pier 57, North

River.

Baltic, White Star, 12 noon.

K. Auguste Victoria, Ham.-Amer., 9 a. m.

C. F. Tietgen, Scand.-American, 2 p. m.

January 24.

FROM ST. JOHN, Tunisian, Allan.

FROM ST. JOHN, Steamship, Can.-Pacific, 12 noon.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to
any part of the United States, Canada
and all principal cities in Europe. Orders
transferred or entrusted by the trade to
our selection for delivery on steamships
or elsewhere receive special attention.

Reference or Cash must accompany all orders
from unknown correspondents.

Cable address: ALEXCONNELL,
Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater
orders. Prompt delivery and best
stock in the market.

Dallas, Texas.

**The Texas Seed and
Floral Company**

Orders for cut flowers and designs solicited for
delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE**FLORIST**

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery
in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

Kansas City, Mo.

**Geo. M. Kellogg
Flower & Plant Co.**

1122 Grand Ave.

Kansas City and

Pleasant Hill, Mo.

Will fill all orders for Cut
Flowers, Funeral Designs,
Wedding and Birthday Gift,
that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America: the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in
MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**

1415 Farnum St. TELEPHONES 1501 and L 1582

Name Index to Retail Florists
Filling Telegraph Orders.

Alpha Floral Co., Chicago.
Alpha Floral Co., Des Moines, Ia.
Anderson Floral Co., Anderson, S. C.
Anderson, S. A., 440 Main, Buffalo, N. Y.
Archias Floral Co., Sedalia, Mo.
Atlanta Floral Co., Atlanta, Ga.
Baer, Julius, 138 E. 4th St., Cincinnati.
Begerow's, Newark, N. J.
Bertermann Bros. Co., Indianapolis, Ind.
Boland, J. B., San Francisco.
Bowe, M. A., New York.
Bramley & Son, Cleveland, O.
Breitmeyer's Sons, John, Detroit, Mich.
Buckbee, H. W., Rockford, Ill.
Carbone, Phillip L., Boston.
Clark's Sons, D., New York.
Cleveland Cut Flower Co., Cleveland, O.
Cooke, Geo. H., Conn. Ave. and L, Washington.
Daniels & Fisher, Denver, Colo.
Dard's, 44th and Madison Ave., New York.
Duerr, Chas. A., Newark, O.
Dunlop's, 96 Yonge St., Toronto, Can.
Eyres, 11 N. Pearl St., Albany, N. Y.
Mrs. J. B. Freeman, Toledo, O.
Galvin, Thos. F., Boston.
Gasser, J. M., Co., Cleveland, O.
Geny Bros., Nashville, Tenn.
Grand Rapids Floral Co., Grand Rapids, Mich.
Gude Bros., Washington.
Habermann, Charles, New York.
Hatcher, Florist, Amsterdam, N. Y.
Hatcher, Florist, Schenectady, N. Y.
Heini & Son, J. G., Terre Haute, Ind.
Hess & Swoboda, Omaha, Neb.
John Bader Co., N. S. Pittsburgh.
Hoffman, 59 Mass. Ave., Boston.
Holm & Olson, St. Paul, Minn.
Keller Sons, J. B., Rochester, N. Y.
Kellogg, F. & P. Co., Geo. M. Kansas City.
Kitt, Robert, 1725 Chestnut, Philadelphia.
La Crosse Floral Co., La Crosse, Wis.
Lange, A., 25 E. Madison St., Chicago.
Mangel, 17 E. Monroe St., Chicago.
Matthews, 18 3rd St., Dayton, O.
May & Co., L. L., St. Paul, Minn.
McConnell, Alex, New York.
McKenna, Montreal, Can.
Murray, Samuel, Kansas City, Mo.
Myer, Florist, New York.
Palmer, W. J. & Son, Buffalo.
Park Floral Co., The, Denver, Colo.
Parker, John L., Birmingham, Ala.
Pellicano, Rossi & Co., San Francisco, Calif.
Penn, the Florist, 43 Bromfield St., Boston.
Podesta & Baldocchi, San Francisco.
Pollworth Co., C. C., Milwaukee.
Rock Flower Co., Wm. L., Kansas City.
Saakes, O. C., Los Angeles, Calif.
Saltford Flower Shop, Poughkeepsie, N. Y.
Schiller, The Florist, 2221 W. Madison St., Chicago.
Schilling, Max, 22 W. 59th St., New York.
Schulz, Jacob, Louisville, Ky.
Shaffer, Geo. O., Washington.
Smith Co., A. W., Pittsburgh, Pa.
Smith, Henry, Grand Rapids, Mich.
Texas Seed and Floral Co., Dallas, Tex.
Valentine, Frank, 158 E. 110th St., New York.
Virgin, Uriah J., New Orleans, La.
Walker & Co., Louisville, Ky.
Williams, Mrs. E. A., Pittsburg.
"Wilson," 8 and 5 Greene, Brooklyn, N. Y.
Wittbold, Geo., Co., 737 Buckingham Pl., Chicago.
Wittbold, 56 E. Randolph St., Chicago.
Wolfskill Bros. and Morris Goldenson, Los Angeles, Calif.
Young & Nugent, New York.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.

High Grade Cut Blooms.

We cover all Michigan points and good
sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery
Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

PELICANO, ROSSI & CO.,
123 KEARNY ST.

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.

Mention the American Florist when writing

M. A. Rowe

IN THE HEART OF NEW YORK CITY

Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.

Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

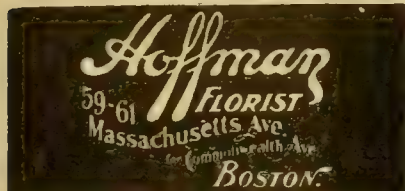
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal.

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Philip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn. the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Berterman Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth & Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Rowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburgh, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 60 Yonge St.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main. 14th & Eye Sts., N. W.

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of

GEORGE ASMUS, Mgr.

Wire, Write or Phone West 822

Member Florists' Telegraph Delivery,

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son

1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS

PAUL M. PALEZ, Mgr.

409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heint)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. LEADING FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street

Adjoining Plaza Hotel

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

The Best Color Chart

For Florists, Seedsmen
and Nurserymen.

ERFURT, GERMANY, May 9, 1911.

AMERICAN FLORIST CO.,

Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY.

Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO

PRICE, ONE DOLLAR, POSTPAID.

Norfolk, Va.

Blick, the Florist, reports Christmas trade as twenty per cent better than last year. Carnations were slightly in advance, but the other prices were normal. Flowers of all kinds were plentiful. The call for Romans and Paper Whites was brisk, but the supply was ample. The quality of all stock was excellent. There was an increased demand for flowering plants.

The firm referred to above has moved from 51 Granby street to 117 Plume street, increased business making larger quarters necessary. The new store is in a fine location, and is up-to-date in every respect.

Denver, Colo.

Leading retailers report the holiday trade as equal to that of last year. In some instances a slight increase in the sale of cut flowers is reported. Prices were the same. Plants have not lost their popularity. Especially is this true of azaleas, cyclamen and poinsettias. Primula obconica has superseded the Chinese type. The Lorraine begonia seems to be losing prestige as a Christmas plant. There was some fine made-up work, but this line as a rule was scarce. Holly, lycopodium and the like were in scanty supply.

J. B.

KENOSHA, WIS.—The new municipal greenhouse has been completed and turned over to Park Superintendent Schwanke.

REDFIELD, S. D. The twenty-fourth annual meeting of the South Dakota Horticultural Society will be held here January 21-23.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1388A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

PITTSBURGH

Mrs. E. A. Williams

621 Penn Avenue.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Joseph Heacock Company's Palms Ferns

Home-Grown, Well Established, Strong and Healthy

Kentia Belmoreana					Kentia Forsteriana—Made up				
Pot	Leaves	In. high.	Each	Doz.	Cedar tub	Plants	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	7-in.	4	30.....	2 00	24 00
3-in.	5	12.....		2 00	9-in.	4	42 to 48.....	5 00	60 00
4-in.	5	15.....	\$ 0 35	4 00	9-in.	4	48 to 54.....	6 00	
5-in.	6 to 7	18.....	50	6 00	9-in.	4	5 ft.....	7 50	
6-in.	6 to 7	24.....	1 00	12 00	12-in.	4	5½ to 6½ ft.....	15 00	
6-in.	6 to 7	26 in. high.....	1 25	15 00	Pot		Phoenix Roebelenii		Each
6-in.	6 to 7	28 to 30.....	1 50	18 00	5-in., nicely characterized.....			\$1 00	
Cedar tub	Leaves	In. high.	Each	Doz.	6-in., 18 to 20-in. spread.....			1 50	
7-in.	6 to 7	34 to 36.....	2 50	30 00	Cedar tub	High	Spread	Each	
9-in.	6 to 7	40 to 45.....	4 00	48 00	7-in.	18-in.	24-in.	Each	
9-in.	6 to 7	42 to 48.....	5 00					\$2 00	
9-in.	6 to 7	48 to 54.....	6 00		Cedar tub	Spread	Cibotium Schiedei	Each	
9-in.	6 to 7	5 ft.....	8 00		7-in.	2 to 2½ feet.....		\$2 00	
9-in.	6 to 7	6 to 7 ft.....	10 00		9-in.	4 feet.....		4 00	
					9-in.	5 feet.....		5 00	
					12-in.	6 to 8 feet.....		8 00	

We are growing all our Kentias above 6-inch size in neat **Cedar Tubs**, made especially for us, with electric wire hoops, and painted **green**. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The **buyer** has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established, and in which they will continue to do better than in pots.

When in Philadelphia Be Sure to Look Us Up

We are easily reached—only 25 minutes from **Reading Terminal**, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of **all sizes**, from 2½-inch pots to 12-inch tubs. We are strong on **Decorative Palms**, in 7-inch, 9-inch and 12-inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are **home-grown** (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is **much larger** than ever before and never in **better condition**.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

Railway Station,
Jenkintown.

Better Understanding

Of our firm, its products, and its methods of doing business means to you, the buyer, **Better Service, Better Goods, and Better Satisfaction**. Our aim is to produce quality in quantity at reasonable prices.

Better business to us means better employes and to them a better living. We guarantee that you get 100 per cent of what you order in a quality that will be satisfactory to you as a buyer and to us as producers.

Selling job lots at low prices is not a business and there is no standard of quality in job lot buying. From us you get a guaranteed quality at a price fair to the buyer and at which there is a reasonable profit and an insurance against damage in transit. Our goods are insured to you against loss. Producing young stock is a business and job lots at low prices are left-overs and culls.

**Our Catalogue of ROSES, CARNATIONS, CHRYSANTHEMUMS
and BEDDING STOCK is yours for the asking.**

A. N. PIERSON CO., Inc.
CROMWELL, CONN.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

VISITED NEW YORK: Chas. D. Boyles, Chicago.

BIDS for the government seed contract were opened at Washington, D. C., January 7.

MECHANICSBURG, O.—The Wing & Bros. Seed Co. has increased its capital stock from \$30,000 to \$100,000.

BULB importations to the United States from Southampton in 1911 amounted to \$5,915. Orchids were imported to the value of \$1,588.

COMMON and German millet is selling at \$1.25 per 100 pounds, good grades, and is selling about as low at Chicago as at Missouri river points.

BEANS for eating are selling in carloads in Michigan at \$2.35, an advance of about 10 cents per bushel. Fine grades of these beans will be scarce this spring.

DREEB'S "Garden Book" for 1913 is the 75th, or diamond anniversary, edition of that firm's catalogue and is a well prepared and handsomely illustrated book of 288 pages.

PORTLAND, ORE.—The new five-story building of the Portland Seed Co. is nearing completion. It covers 100 square feet of ground and will cost \$40,000. The building will be modern in every respect.

NEW YORK.—F. W. Bruggerhof, of J. M. Thorburn & Co., was the victim of a burglar who entered his country home at Stamford, Conn., and stole all the silver plate in the house besides other valuables, December 30.

THE Albert Dickinson Co., Minneapolis, Minn., one of the best known seed firms in the country, suffered a loss of \$125,000 as a result of a fire December 21. A hot box on a grain distributor started the blaze, which destroyed the corn elevator and a smaller addition to it.

THE loss of corn elevator at Minneapolis some days ago was unfortunate for the Albert Dickinson Co. as it contained a lot of early varieties specially grown in Minnesota for their trade. This firm has also corn warehouses for storage of their Nebraska seed corn crops.

THE protest of H. G. Hastings and Co., Atlanta, Ga., against the duty on soy beans has been overruled by the board of general appraisers. The firm claimed that the importation should be assessed as peas at 25 cents a bushel or as oil seeds, but the board held that the forty-five cents per bushel of sixty pounds assessed on beans should stand.

CHICAGO.—Prices on the Board of Trade January 8, for grass seed were noted as follows: Timothy, \$3 to \$4.25 per 100 pounds.—Peter Hollenbach, commenting on the Record Herald's news notes of January 8, says that a mother has found onion syrup very efficacious for her boy's cold; suggest that onion set sprouts could possibly be distilled into this syrup and secure some little salvage for the heavy-

ily burdened seedsman contractor whose crops are now in storage.—Miss Alice Heath, daughter of Chas. A. Heath, of the Albert Dickinson Co., was married to Daniel Webster Ferguson of this city January 7. Mr. and Mrs. Ferguson will take a western trip and will be at home after March 1 at 5466 East End avenue.—J. C. Vaughan, who has been on the sick list, is now much better.

French Bulbs.

Present conditions in the French bulb districts indicate an increased production of low grade stock in the near future, due to the possibility that more of the small land owners will engage in the business. The Dutch growers are likewise increasing their holdings. With an average rainfall from now until March the crop for 1913 probably will come up to the average. The number and value of bulbs shipped to the United States in 1912 shows considerable increase.

Vaughan's Gardeners' Calendar.

The 1913 edition of Vaughan's pocket calendar for amateur and professional gardeners is at hand. In addition to the usual indispensable planting and other tables this handy booklet contains valuable data on "Vegetables for Succession," "Color Schemes for Gardens," "Annuals and Perennials for Cut Flowers," "Shrubs for Special Purposes," etc. New features this year include a list of the common names of garden plants and flowers with botanical references and details of the new parcels post.

Melon Seeds of China.

The melon (*Citrullus vulgaris*) is a well known and widely cultivated garden product both in South China and the north as well, the best quality coming from Newchang. It is grown almost entirely for the seeds, which are to be found on almost every Chinese table. The black quality is raised mostly in the north of China and as a general rule is not found in any great quantities in the markets of Hongkong. The melons themselves are not used to a great extent for food and not at all for medicinal purposes and must not be confounded with the American variety of the watermelon. The latter is grown to a limited extent

at Castle Peak, near Hongkong, from American seeds.

There are two kinds of these melon seeds which find ready acceptance among the Chinese, namely, red and black. The red are deemed the best and bring, according to grade, \$8 to \$15 per picul of 133½ pounds and the black are valued in the same way from \$5 to \$7 per picul, gold currency. In 1910, the value of these seeds exported amounted to \$297,914, and last year the value was \$249,498, gold currency. It is impossible to state the proportion going to the United States, but it is undoubtedly considerable, as the Chinese are very partial to this product and do not consider dinners, festivals, or other ceremonies complete without a liberal supply.

Catalogues Received.

S. M. Isbell & Co., Jackson, Mich., seed annual; Chris. Reuter, New Orleans, La., seeds; Wm. Elliott & Sons, New York, seeds; Livingston Seed Co., Columbus, O., seed annual; D. V. Burrell, Rocky Ford, Colo., seeds; Oscar H. Will Co., Bismarck, N. Dak., seeds and nursery stock; Fancher Creek Nurseries, Fresno, Calif., nursery stock; California Nursery Co., Niles, Calif., nursery stock; I. N. Glick, Lancaster, Pa., wholesale list of seeds and vegetable plants; M. Rice & Co., Philadelphia, Pa., florists' supplies for holiday trade; R. H. James, Rocky Ford, Colo., melon and cucumber seeds for market growers; John Bauscher, Freeport, Ill., new American Beauty geranium.

Kelway & Son, Langport, England, special contract offer of vegetable and farm seeds and wholesale list of vegetable, flower and root seeds; Otto Putz, Erfurt, Germany, seeds; Sluis & Groot, Enkhuizen, Holland, seeds; V. Lemoine & Fils, Nancy, France, plant novelties; Perry's Hardy Plant Farm, Enfield, England, special offer of lilies.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,

Growers on Contract
Highest Grade Seeds

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.

Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS

Importers and Exporters

Alfred J. Brown Seed Co.,

Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED

Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.

Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH

San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS



Early Cluster.

Grown under irrigation by

Western Seed & Irrigation Co.

Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

For Fall Planting

Lilium Tenuifolium, Hansoni, Davuricum, Henryi, Elegans and Wallacei; Daphne Cneorum, Syringa Japonica, German and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.

Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

SEEDS

OF ALL KIND APPLY TO

W. W. Johnson & Son, Limited
Boston, England

DAMMANN & CO.,

Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples

Established 1877.

Headquarters for **CAULIFLOWER** and **WHITE TRIPOLI ONION SEED**, (Crystal Wax), and all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

BURPEE'S SEEDS

PHILADELPHIA

Wholesale Price List for Florists
and Market Gardeners.

BEANS, PEAS, RADISH

and all Garden Seeds

LEONARD SEED CO.

226-230 W. KINZIE STREET, CHICAGO

ONION SETS

GROWERS FOR THE TRADE
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN

OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments, also for contract growing prices for 1914 delivery; stating probable quantities of different varieties, etc., etc.

RATEKIN'S SEED HOUSE, Shenandoah, Iowa

Onion Seeds--Onion Sets

We are also submitting contract figures for the 1913 crop of Onion Seed.

We are Extensive Growers and Dealers
Write for prices on the 1912 crop.

SCHILDER BROS., Chillicothe, O.

CHOICE

German Flower Seeds

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, QUEDLINBURG, GERMANY

JAPAN CLOVER SEED

Booking orders for January shipment.
Prices on application.

Contract with us for **Genuine Bermuda Onion Seed**, delivery next fall, grown by T. M. Reid, Port Orotova, Teneriffe.

CHRIS. REUTER, New Orleans, La.

R. & M. GODINEAU, SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages, Celeries, Parsleys, Parsnips, Turnips.

Growing Crops Given Personal Attention.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them. We supply stock at market price. Catalogue for the asking.

S. S. SKIDELSKY & CO.,
1215 Betz Building, PHILADELPHIA, PA.

GET IT FROM

Oklahoma Seed Growers Co.

1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.

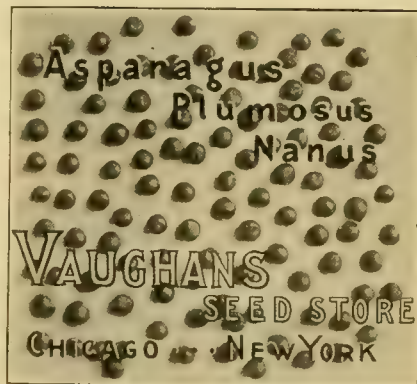
WATERMELON SEED

1913 Contracts for the Trade.

Grown under rigid inspection, isolated and carefully selected.

HUGH M. TAYLOR, Trade Grower.
LLOYD, FLORIDA.

New Crop Northern Greenhouse Grown (ready)



T-8

Thorburn's Seeds

WE have for special offer this week, while unsold, a few hundred Clumps of Spiraea Gladstone.

\$5.50 per 100. Cash with order.

Our special florists and market gardeners catalog—1913 edition—will be ready early in January. Is your name on our list?

J. M. THORBURN & CO.

110 years in business in New York City

33 Barclay Street - - - New York

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO

The Early Advertisement
Gets There.

BIG SEED CATALOGUE

(A GARDEN MANUAL)

FREE

160 pages full of valuable information, with **350 illustrations**. This manual tells you what to plant, when and how to plant it. Write for it now.

AGGELER & MUSSER SEED CO.

113-115 N. Main Street Los Angeles, Cal.

SPIRAEA

Strong Clumps, with Plump Eyes

Per doz. 100

Floribunda.....\$1.00 \$7.00

Gladstone 1.25 9.00

A. Henderson & Co.

352 N. Michigan Ave., CHICAGO

Phone Randolph 2571.

Friedrich Kohlschreiber,
HAMBURG 24, GERMANY

Importer and Shipper of

All Sorts of Palm Leaves,
Ferns and Mosses.

For Sale: TOMATO, EGG
and PEPPER
PLANTS, for
MARCH OR MAY SHIPMENT.

Special Prices for 100 or 1000.

Benj. F. Castner,
Belvidere Ave., WASHINGTON, N. J.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

Miscellaneous Plants

Smilax, 2-in., per 100 \$1.00. **Dracaena Indivisa**
2-in., per 100 \$2.00. **New Double Daisy**, Mrs. F.
Sander, 2-in., per 100 \$2.00. **Cryptomeria Japonica**,
2-in., per 100 \$5.00. **Asparagus Plumosus**,
2-in., per 100 \$2.00; 3 in. per 100 \$3.00. Good
stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Cold Storage LILY OF THE VALLEY FOR JANUARY FORCING

New crop should never be used for January forcing, as it does not force easily or give the requisite amount of foliage so early in the season. Cold storage valley should always be used for January forcing.

We carry only one grade—the very highest quality obtainable. Cases containing 250 pips, \$5.00 each; 500 pips, \$9.50 each; 1000 pips, \$18.00 each.

Narcissus Paper White Grandiflora

We can still supply a few cases of these bulbs in perfect condition. Bulbs have been held in cold storage, so that they are perfectly dormant. 14 c-m bulbs, 1,000 to the case—which we will supply as long as unsold at \$10.00 per case in case lots.

Spirea.

Gladstone. Fine clumps. Case lot | **Queen Alexandra.** Fine clumps.
of 100 at \$8.00 per case. Case lot of 100 at \$11.00 per case.

Lilium Giganteum and Multiflorum.

Giganteum. 7-9 inch bulbs, case of | **Multiflorum.** 9-10 inch bulbs, case
200 at \$16.50 per case. of 200 at \$17.00 per case.

Freesias. French, mammoth bulbs. \$5.00 per 1,000.

F. R. PIERSON CO., Tarrytown-on-Hudson,
NEW YORK.

Pedigree Seeds Catalogue 1913

NOW READY.

MAILED ON APPLICATION.

Watkins & Simpson, Ltd.,
12 Tavistock Street,
COVENT GARDEN, LONDON, ENGLAND.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....oz.	\$0.50	
Ageratum, Blue.....oz.	\$0.60. Snapdragon.....	.75
Alyssum, Little Gem.....	.30	
Lobelia, Emperor William. Blue.....	.75	
Pansy, Giant Strain.....	1.25	
Petunia, Superfine Mixed.....	.75	
Phlox, Drummondii Mixed.....	.55	
Stock, Ten Week Double.....	1.00	
Verbena Hybrida, Mixed.....	.55	

F. O. FRANZEN, 1476 Summerdale Av., Chicago
Send for trade list.

S. D. WOODRUFF & SONS SEED GROWERS

Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and
Flower Seeds. Contract Taken
Catalogue Free. ORANGE, CONN.

82 & 84 Dey St. NEW YORK

THE C. HERBERT COY SEED CO. VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Melon, Squash and Pumpkin,
Sweet, Flint and Dent Seed Corn

John Bader Co.

B. L. ELLIOTT, Owner.

Wholesale Plantsman

1826 Rialto St., N. S. PITTSBURG, PA.

Vaughan's Flower Seeds

10 Per Cent Special Cash Discount.—On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

Our Florist Catalog is now in the printers hands and a copy will be mailed in a few days.

AGERATUM.

	Trade Pkt.	Oz.
Imperial Dwarf, blue.....	\$0.10	\$0.30
Imperial Dwarf, white.....	.10	.39
Blue Perfection.....	.10	.40
Little Blue Star.....	.50	
Red Pearl, dwarf, pink.....	.25	
Princess Victoria Louise.....	.10	.40
Little Dorrit, dwarf, blue.....	.10	.40
Wendlandi nana compacta, album.....	.15	

ALYSSUM.

	Trade Pkt.	Oz.
Maritimum, Sweet Alyssum, lb.....	\$1.25	.05 .15
Vaughan's Little Gem, extra fine strain, lb.....	\$6.00	.10 .60

ANTIRRHINUM.

Large-flowering, choice mixed.....	.10	.40
Majus Carmine Rose.....	.10	.50
Firefly, scarlet, white throat.....	.10	.50
Golden King, yellow.....	.10	.50
Queen Victoria, pure white.....	.10	.60
Brilliant Scarlet.....	.10	.50
Dark Rose.....	.10	.50
Venus, apple-blossom pink.....	.25	.50
Striped Varieties, mixed.....	.10	.50
Lovely white with pink lip.....	.10	.50
Delicate Pink.....	.10	.50
Vaughan's Special Mixture.....	.10	.50

ASPARAGUS.

Plumosus Nanus. Northern Green-house Grown. Per 100 seeds, 50c; 250 seeds, \$1.00; 1,000 seeds, \$3.50; 5,000 seeds at \$3.25 per thousand.

Hatcheri. Finer, heavier and more rapid grower than Plumosus. 100 seeds, \$1.00; 1,000 seeds, \$9.00.

Sprengeri. 100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, \$3.00; oz., 50c.

ASTERS.

Queen of the Market Aster. The standard early flowering type—White, Crimson, Pink, Light Blue, Dark Blue, Silvery Lilac, Scarlet, Flesh, Dark Lilac. Each of the above, per lb., \$10.00; ¼ oz., 25c; trade pkt., 10c; oz., 80c.

Queen of the Market, best mixed, lb., \$6.00; trade pkt., 10c; oz., 60c.

BEGONIA.

	Trade pkt.
Rex Hybrids, 500 seeds.....	.35
Gracilis Bonfire, flowers lustrous carmine scarlet, metallic brown foliage, per pkt.....	.20
Gracilis Luminosa, foliage lustrous reddish brown, the flowers are a fiery dark scarlet.....	.25
Gracilis Mignon, fiery scarlet red, foliage soft dark green, spotted and bordered with bronzy red.....	.25
Gracilis Prima Donna, large transparent rose flowers, shading to carmine.....	.20
Vernon, red-leaved and red-flowered, ½ oz., 30c.....	.10
Berna, foliage is very dark, flowers are very bright carmine red.....	.25
Erfordia, rosy carmine flowers, ½ oz., \$1.25.....	.25
Erfordia Grandiflora Superba, an improvement on the Erfordia.....	.25
Red Lubeca, fine for bedding.....	.25
Tuberous Rooted Victoria, new, a very fine strain of frilled flowers, 4 inches across, colors mostly in red shades.....	.25
Double Tuberous Rooted, best mixed.....	.25
Tuberous Rooted Lafayette Hybrids, superb varieties of sturdy growth, mostly scarlet, bronze leaved, double.....	.25

BELLIS.

	Trade Pkt.	Oz.
Vaughan's Mammoth Mixture ½ oz., 35c.....	.25	
Mammoth, White, ½ oz., 35c.....	.25	
Mammoth, Pink, ½ oz., 50c.....	.25	
Longfellow, dark pink.....	.15	1.50
Snowball, double white.....	.15	1.40
Monstrosa, new giant double white, ½ oz., \$1.00.....	.25	
Monstrosa, new giant double pink, ½ oz., \$1.00.....	.25	
Turban, best double red.....	.25	

CANDYTUFT.

	Trade Pkt.	Oz.
Giant Hyacinth-Flowered, Extra selected stock, for florists' use, lb.....	\$5.00	.15 .50

CELOSIA.

Cristata (Cockcomb), tall sorts mixed.....	.05	.25
Dwarf sorts, mixed.....	.25	1.25
Dwarf President Thiers.....	.15	1.00
Dwarf Empress, crimson.....	.25	2.00
Aurea, dwarf, golden yellow.....	.15	1.25
Rosea, dwarf, rose, colored combs.....	.15	1.25
Dwarf Fire King.....	.25	
Centaurea, Gymnocarpa, lb., \$2.75.....	.05	.30
Candidissima (Dusty Miller).....	.25	.75
Cobaen Scandens, Purple, lb., \$4.00.....	.10	.40
Scandens Flore Alba, White.....	.10	.80
Coleus, Vaughan's Rainbow Mixture, ½ oz., 75c.....	.25	
Fine Mixed.....	.15	1.50
Extra Choice, large leaved, mixed, ½ oz., \$1.00.....	.25	
Large-leaved Copper-colored.....	.25	
Laciniated and fringed, ½ oz., \$1.50.....	.25	
Cyperus Alternifolius, Umbrella Plant.....	.15	1.25
Dracaena Indivisa Lineata.....	.10	.40
Indivisa, lb., \$3.00.....	.10	.30
Indivisa Latifolia.....	.10	.50
Australis.....	.10	.50
Echeveria (Hen and Chicken), mixed, 1,000 seeds, \$1.00.....		
Metallica, 1,000 seeds, \$2.50.....		
Secunda Glauca, 1,000 seeds, \$1.00.....		
Desmetiana, 100 seeds, 20c; 1,000 seeds, \$1.20.....		
Grevillea Robusta.....	.10	.50
Heliotrope, finest mixed, ¼ oz., 25c.....	.10	
Mammoth Flowered, mixed.....	.25	1.50
Ipomoea Noctiflora, Moon-flower, white seeded, lb., \$3.50.....	.10	.35
Ipomoea Noctiflora, black seeded, lb., \$3.00.....	.10	.30
Giant Pink (Northern Light).....	.10	.40
Leardi, dark blue, splendid.....	.25	1.25
Setosa, Brazilian Morning Glory.....	.10	.35
Lantana Hybrida, mixed.....	.05	.15
Bruant's New Dwarf Hybrids, mixed.....	.10	.40

LOBELIA.

Bedding Queen, ½ oz., 25c.....	.15	1.50
Erinus Compacta, "Firmament,".....	.15	
Crystal Palace Compacta, true Speciosa, dark flowers and foliage.....	.10	.50
Emperor William.....	.10	1.00
Gracilis, blue.....	.05	.40
Hamburgia, good for hanging baskets, etc.....	.25	
Hybrida Sapphire, best for hanging basket.....	.15	
Heterophylla Major, clear blue.....	.15	1.50
Lophospermum, Scandens.....	.15	1.30

MIGNONETTE.

TRUE MACHET. Vaughan's Selected Stock. The seed we offer produces dwarf, vigorous plants of pyramidal growth, ½ oz., 40c.....	.10	.75
Mimulus Moschatus, Musk Plant.....	.10	1.00
Myosotis, Vaughan's Early and Late Flowering.....	.15	.80

PETUNIAS.

Single Large Flowering Sorts.	Trade pkt.
Large-Flowering, finest mixed ½ oz., \$2.00.....	\$0.25
Fringed, mixed, extra choice, ½ oz., \$2.00.....	.25
Giants of California, true, ½ oz., \$2.00.....	.25
Ruffled Giants, mixed.....	.50
Triumph of the Giants. The flowers often measure 7 inches across; some of its colors cannot be found in any other mixture.....	.50
German Empress. Giant flower, bluish white, veined purple.....	.35
King Edward. Deep blood-red with white center, very distinct.....	.35
Balcony Queen. Rich velvety violet with white blotches.....	
"Vaughan's Best" Mixture of Large-Flowering Single Petunias. We are positive that no Petunia Mixture can produce flowers with as wide a range of colors as our "Vaughan's Best." Trade pkt. (1,000 seeds), 50c; 3 pkts. for \$1.35.	

Large Double-Flowered Sorts.

Double Large-flowering, extra choice mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$3.00.	
Double Large-Flowering, Fringed, best mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$4.00.	
Lady of the Lake, Double-Fringed, pure white, 1,000 seeds, \$1.20; 500 seeds, 65c; 1/64 oz., \$3.50.	
Double-Fringed Perfection, 10,000 seeds, \$12.00; 1,000 seeds, \$1.50; 500 seeds, 80c.	
Double Fringed Pink. 500 seeds, \$1.00.	
Vaughan's Special Mixture Double, extra choice. 1,000 seeds, \$1.50; 500 seeds 80c 1/64 oz., \$4.00.	
Pyrethrum. Parthenifolium Aureum, Golden Feather.....	.10 .25

SALVIA.

	Trade pkt.	Oz.
Clara Bedman.....	.25	1.60
Drooping Spikes.....	.25	1.80
Fireball, ¼ oz., 75c.....	.35	2.50
Zurich.....	.50	3.50

STOCKS.

Double Large-Flowering, Dwarf, German 10 weeks. Canary Yellow, Dark Blue, Crimson, Brilliant Rose, Light Blue, Blod Red, White, Flesh. Each of above.....	.25	1.80
Extra choice, mixed.....	.25	1.25
Giant Perfection or Cut and Come Again. Sky Blue, Light Blue, Flesh, White, Dark Blue, Canary Yellow, Pink, Scarlet. Each of the above.....	.25	2.50
Thunbergia, mixed.....	.10	.40
Torenia Fournieri Grandiflora, ½ oz., 30c.....	.10	

VERBENA.

	Trade pkt.	Oz.
Defiance, brilliant scarlet, true.....	.15	1.00
Ellen Willmott, a good deep pink.....	.25	
Firefly, brilliant scarlet, white eye.....	.15	1.25
Hybrida Gigantea.....	.25	2.50
Mammoth, mixed.....	.10	.80
Mammoth, white, extra choice.....	.15	.80
Mammoth, Rose and Carmine shades.....	.15	1.00
Mammoth, Purple shades.....	.10	.80
Mammoth, Striped on red ground.....	.15	1.00
Mayflower, beautiful pink.....	.15	1.00

"Vaughan's Best" Mixture of Verbenas.

This is unquestionably the best strain of Verbena seed in existence. Trade pkt., 25c; ¼ oz., 50c; oz., \$2.00; 2 ozs., \$3.50.

	Trade pkt.	Oz.
Vinca Rosea, mixed.....	\$0.10	\$0.40
Rosea pink.....	.10	.50
Rosea Fl. Albo, white with pink eye.....	.10	.50
Rosea Alba Pura, pure white.....	.10	.50

Vaughan's Seed Store, 25 Barclay Street, NEW YORK. 31-33 W. Randolph St., 803 W. Randolph St., Chicago

Fine Stock Plants

Asparagus Plumosus and Asparagus Sprengeri

From 2 1/4-in. pots,
\$3.00 per 100; \$25.00 per 1000.

Smilax

From 2 1/4-in. pots, \$2.00 per 100.

Single Bedding Hyacinths

White, Red and Blue,
\$1.60 per 100; \$15.00 per 1000.

To Secure These Prices, Mention This Paper.

JAMES VICK'S SONS,
ROCHESTER, N. Y., The Flower City.

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins
Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100,
Boston and Whitmani Ferns, 3-in., 10c; 4-in., 15c;
5 in. 25c.
Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in.
\$25.00 per 100.
Vinca Var., 2-in., 2c.
Asparagus Sprengeri, 2-in., \$2.50 per 100.
Asparagus Plumosus, 2-in., \$3.00 per 100.
Heliotrope, Scarlet Sage, Lemon Verbenas,
Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the American Florist when writing

R^B O^e S^s E^t S^s
T^R hⁱ Oⁱ n^e E^g S^s

THE LEEDLE FLORAL COMPANY.
SPRINGFIELD, OHIO.

Charles H. Tolly

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelities my Specialty

Mention the American Florist when writing

Potted Carnation Cuttings.

	Per 100	Per 1000
C. W. Ward	\$2 25	\$20 00
White Enchantress	2 25	20 00
Enchantress	2 25	20 00
Beacon	2 25	20 00

Cash with Order or References.

F. F. SCHEEL, Shermerville, Ill.

Mention the American Florist when writing

GEO. A. KUHL

Wholesale Grower for the Trade

PEKIN : : ILLINOIS

Mention the American Florist when writing

Get them at Dreer's



The Dreer Strain of Double Petunias

For nearly half a century the majority of the growers in the United States have been depending on the Dreer strain of Double Petunias, which this season compares favorably with stock we have heretofore supplied.

We offer for immediate delivery, good three inch pots, which will quickly furnish a good supply of cuttings, in fifteen varieties, 75 cents per dozen; \$6.00 per 100, or the set of fifteen varieties, one of each, \$1.00.

Seed of our **SUPERB STRAIN OF FRINGED PETUNIAS**. Double, 75c per 500 seeds; \$1.50 per 1000 seeds. Single, 50c per trade pkt.; \$1.00 per 1-16 oz.; \$1.50 per 1-8 oz.

Our **Quarterly Wholesale Price List**, issued January 1st, offers a full line of seasonable Plants, Seeds and Bulbs.

The above prices are for the Trade only.

HENRY A. DREER,

Philadelphia, Pa.

It Is Said

A Sharp Knife Makes A Tender Turkey. Apparently it does but in reality it does not.

It is also said certain **CHRYSANTHEMUMS** possess Commercial Qualities which do not meet the requirements of most Growers. Many of the novelties are worthy of trial; some of the older sorts are among the best.

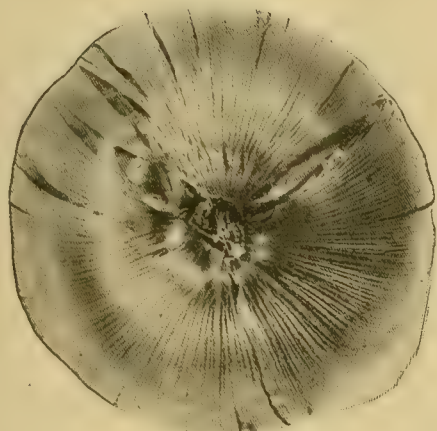
If undecided what to grow for 1913 crop, ask for our catalogue, now ready. We will be pleased to make suggestions to those who can not determine their needs. The third edition of **Smith's Chrysanthemum Manual** ready Jan. 10th. The most complete and comprehensive work on this subject. Price, 50c postpaid.

ELMER D. SMITH & CO.

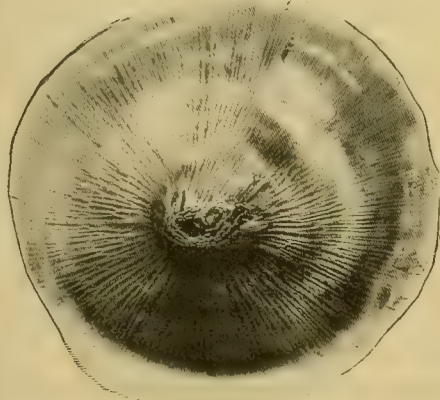
ADRIAN, MICH.

**The Early Advertisement
Gets There**

We are Growers of Gladiolus Bulbs



MRS. FRANCIS KING.



AMERICA

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe:

	Per 1000
Mrs. Francis King, First Size.....	\$18.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ “ “ Medium Size	13.00
America, First Size	25.00
“ “ “ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices before placing orders for this stock.

➡ Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

NEW YORK
CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100.
F. O. B. West Grove.

THE CONARD & JONES CO.,
West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
BROOKLYN N Y

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings....\$3.00 One Hundred rooted cuttings...\$ 12.00
Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings.. 100.00
Fifty rooted cuttings..... 7.00

➡ Order quick for February deliveries.

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
BROOKLYN, N. Y.

Primula Obconica, strong plants, in bud and bloom 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas \$1.50 per 100, \$14.00 per 1000.

Malacoides, Giant Baby Primrose, strong, 2½ inch, \$2.00 per 100, 300 for \$5.00.

Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000, 3-inch, \$3.00 per 100 \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PALMS.

Each.
Kentia Forsteriana, 4-in. pots, 12 to 15-in.....25c
Kentia Beimoreana, 4-in. pots, 12 to 15-in.....25c
Areca Lutescens, 3-in. pots, 8 to 12-in.....10c
Latania Borbonica, 4-in. pots, 12 to 15-in.....15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
WEST GROVE, PA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

Cucumber Seed.

ED. AMERICAN FLORIST:

Would cucumber seed, saved last summer from plants grown under glass, go to vine if sown this winter or early spring?

Indiana.

H. J. P.

Cucumber seed saved last summer should give good results this spring, provided the parent plants were all right and no cross-pollination was possible; that is, no other varieties of cucumbers being near. Cucumbers mix badly and where several varieties are grown the seeds saved are undesirable. Our markets demand very uniform cucumbers; hence, any varying types are not desired.

As regards growing to vine, that is in our opinion rather an advantage, as we certainly prefer thrifty plants to weakly ones. An old melon-grower told the writer once that if you can induce a wealth of vine and foliage you are on the road to a good crop. There is much truth in this. Greenhouse men often have their beds too rich in nitrogen and lacking potash and phosphoric acid. These latter elements are most important to fruit production; in fact, the available phosphoric acid almost determines the fruiting. Hence by adding the proper chemicals and following good cultural methods the new seeds should produce a good crop.

There is no doubt that age of seed reduces growth, but we doubt very much if this is an advantage. Greenhouse crops are so valuable that one cannot run much risk. If H. J. P. is in doubt he had better plant heavily of some standard stock and use a small percentage of his own seed, then if that turns out well he can make the main planting from his own seed another year. Cucumber seeds are good for many years, therefore we can try out stocks before using them extensively.

MARKETMAN.

Mushroom Spawn



New Crop ENGLISH

Just Arrived
per Steamer
Ionian, from
London.

Live Spawn,
Well "Run."

25 lbs. \$2.00

100 lbs. 6.50

Lower prices on
1000 pound lots.

Vaughan's Seed Store,

31 and 33 W. Randolph St., CHICAGO.

Mention the American Florist when writing

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all
CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT PANSIES (mixed), the most perfect and most beautiful in the world, \$6.00 per oz., or \$1.75 per ¼ oz., \$1 per ⅓ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; **LETTUCE**, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone.....	\$8.50	Spiraea Superba.....	\$ 6.00
Spiraea Florabunda.....	5.00	Spiraea Queen Alexandra....	10.00

GLADIOLUS FORCING STOCK.

America.....	3.50 per 100,	30.00 per 1000
Mrs. Francis King.....	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

Rooted Carnation Cuttings

BIG VALUE AT THE PRICES QUOTED:

Beacon, White Enchantress, Enchantress, Rose
Pink Enchantress and White Perfection, \$2.50
per 100; \$17.50 per 1,000.

PETER REINBERG

30 East Randolph Street

CHICAGO, ILL.

J. L. DILLON

Wholesale Grower of
Roses, Carnations and Verbenas.
Bloomsburg, Pa.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped
on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is
thus easily exposed. Fresh sample
brick, with illustrated book, mailed
postpaid by manufacturers upon re-
ceipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

Ferns for Dishes

Best varieties, 2¼ in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St.,

CHICAGO

The Sawyer ASTERMUM is on its way to YOU

Watch for it! Save it! It will be of very great interest.

Happy New Year.

Albert A. Sawyer, Aster
Expert.
Forest Park, Illinois.

Hydrangeas

Pot Grown for Forcing.

ALL IN 6-INCH POTS

Otaksa, with 5 and 6 branches.....	\$20 00
Otaksa, with 4 branches.....	15 00
Otaksa, with 3 branches.....	12 00
Otaksa, with 2 branches.....	10 00
Thos. Hogg, with 5 and 6 branches	20 00
Souvenir de Claire, with 7 and 10 branches.....	25 00

Now Ready for Delivery

Shall we send by freight or express?

Jackson & Perkins Co.

WHOLESALE ONLY

Florists and Nurserymen

Newark, - New York

PRIMROSES

	Per 100	Per 1000
Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots.....at	\$1 50	\$12 00
ASPARAGUS		
Plumosa, 2 1/4 pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

3-inch Pot Plant..... 4 00

S. A. Nutt and Poitevine, 2 1/4-in. pots, \$3.00 per 100;
\$25.00 per 1000.

Buchner, \$2.50 per 100; \$20.00 per 1000.

Pansy Plants, giant flowers, \$2.50 per 1000.

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Fine Decorative Plants

Exceptionally Fine Stock—None Better To Be Had.

PALM LIST.

Kentia Belmoreana. Per doz.	
4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50
Each.....	1.25
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.50
6-in. pot, 28 to 30 in. high, 6 to 7 leaves....	2.50
7-in. pot, 36 in. high, 6 to 7 leaves.....	3.00
8-in. pot, 36 to 38 in. high, 6 to 7 leaves....	3.50
9 in. tub, 46 to 50 in. high, 6 to 7 leaves. \$5 to \$6	
Specimens, 9 to 10 in. tubs, \$6.00 to \$15.00 each	

Kentia Forsteriana.	
4-in. pot, 15 to 18 in. high.. Ea. doz., \$4.50	
5 in. pot, 20 to 24 in. high.....	9.00
6-in. pot, 28 to 30 in. high, 6 leaves... Ea.	1.25
6-in. pot, 34 to 36 in. high, 6 leaves....	1.50
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
7-in. pot, 41 to 45 in. high, 6 to 7 leaves..	3.00
8-in. pot, 48 to 50 in. high, 6 to 7 leaves..	5.00
Specimens in from 8 to 12 in. tubs, from \$6.00 to \$15.00 each.	

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2.00
6-in. tubs, 32 to 34 in. high, 4 plants.....	3.00
8-in. tubs, 44 to 48 in. high, 4 to 5 plants..	5.00
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4 1/2 feet high, 5 plants.....	8.00
10-in. tubs, 4 1/2 to 5 feet high, 5 plants....	10.00
10-in. tubs, 6 feet high, 5 plants.....	12.00
For longer specimens in tubs prices on application.	

Areca Lutescens, 7 inches strong, \$2.00 each

List of Plants

For Immediate Sale.

Bostons, 6-in.....	\$0.50 each, \$ 6.00 per doz.
" 7-in.....	0.75 " 7.50 " "
" 8-in.....	1.00 " 10.00 " "
" 10-in.....	2.50 " "
" 12-in	3.50 " "

Whitmani prices and sizes same as above.	
Bostons, strong 2 1/4-in.....	\$3.50 per 100
Dracaena Massangeana	\$1.25 to \$1.50 each
Phoenix Roebeleni, 3 in.....	\$2.50 per doz.
4-in.....	5.00

Pandanus Veitchii, highly colored:	
" 5-in.....	each, \$1.00
" 6-in.....	1.50
" 7-in.....	2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each
Ficus Pandurata, 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
" 2 1/4-in., \$3.00 per 100; \$25.00 per 1000
" 3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Cyclamen in bloom, 5-in., 50c each; \$5.00 per doz. 6-in., 75c each; \$7.50 per doz.

Poehlmann Bros. Co.
Plant Department Morton Grove, Illinois

Mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.
Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

MARYLAND will establish a state forest nursery which will offer for sale at cost price trees for planting in any part of the state.

SACRAMENTO, CALIF.—A. J. Cook, state horticultural commissioner, is in Washington, D. C., in the interests of the proposed law to provide for the extermination of orange scale.

BELLEVIEW, ILL.—Fire on December 25 destroyed \$1,000 worth of young trees set out last spring by the Harper Bros. Nursery Co. of East St. Louis.

FRESNO, CALIF.—Six thousand acres of new orange orchards were planted in this county during 1912, according to the estimate of Horticultural Commissioner A. G. Schulz.

EVANS CITY, PA.—The Harmony Nurseries of this place have been organized and incorporated, capital \$10,000. B. W. Smith and C. H. Smith, Pittsburg, and H. L. Blind, a local man, are the incorporators.

FRESNO, CALIF.—The citrus fruits of Fresno county will no longer be barred from Arizona, it having been represented by the county horticultural commissioner that no red scale or other dangerous pests existed here.

CENTERVILLE, IND.—E. Y. Teas, senior partner of E. Y. Teas & Son, has retired from active business on account of advanced age, and the nursery and florists' stock of the firm has been sold. F. E. Teas, the junior partner, will continue in a similar line, giving especial attention to growing gladioli for the wholesale trade.

Gooseberry Importations Prohibited.

By a law of September 23, 1912, the Dutch government prohibits the importation and transit shipment of gooseberry, red and white currant, and raspberry bushes, parts of such bushes, and objects which have served as packing for such bushes. However, the Minister of Agriculture, Industry, and Commerce is authorized to make special exemptions in the case of plants introduced for scientific purposes. The privilege even in such cases is not to be granted until after the plants in question have been duly examined and pronounced free from the American gooseberry mildew.

CANTON, O.—The following officers were re-elected at the recent meeting of the Stark County Horticultural Society: B. M. Stier, Paris, president; J. I. Hursh, Canton, vice-president; Mrs. Emma Eggert, Massillon, secretary; H. H. Siefert, Paris, treasurer.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.



Tuberous Rooted Begonias

Splendid imported bulbs now at hand—an early date—grown from large flowering strains.

	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single sorts—mixed	.35	2.25	20.00
Double "—white, scarlet, yellow, pink	\$.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors	\$.60	\$3.50	\$30.00
Choice mixture	.50	3.20	28.00

Vaughan's Seed Store

CHICAGO

NEW YORK

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists. RUTHERFORD, N. J.

MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy lilies are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES

PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

Robert Craig Co...

High
Class

PALMS

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

GODFREY ASCHMANN,

1012 W. Ontario Street,
PHILADELPHIA, PA.

I HAVE TO OFFER YOU:

Araucaria Excelsa, Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high, 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. **Azaleas**, in bloom now, Vervaneana and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Kentia Forsteriana**, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made-up of 4, center plant 50 inches, 3 smaller around, \$2.50, \$3.00 and \$4.00. **Belmoreana**, 6 inch, 50c to 75c; 4-inch, 25c. **Draecena Terminalis**, 4 and 5½-inch, 25c, 35c, 40c. **Ficus Elastica**, 5½ and 6-inch, 30c, 40c and 50c. **Ferns**, Scotti, Whitmani, Scholzei, Boston, Giatrasi, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. **Begonias**, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. **Cyclamen**, 4 and 5½-inch, 25c, 30c, 40c and 50c. **Primulas**, Obconica grandiflora and Chinese in bloom, 5½-inch, \$2.00 to \$2.50 per doz.; 4-inch Obconica, 10c and 15c. **Jerusalem Cherries**, 6-inch, 25c to 35c. **Cocos Weddelliana**, 3-in., 15c, 18c, 20c. **Cyr. Falcatum** or Holly tree, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. **Asparagus Sprengeri** and **Plumosus**, 4-inch, 10c; 2½-inch, 4c; 3-inch, 6c. **Aspidistras**, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. **Hydrangea Otaksa**, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine **Lilium Multiflorum**, raised from selected bulbs, 4-inch ready to shift, 20c and 25c. Cash with order please.

Now is the Time!

You want to plan NOW for a big cut of high grade Carnations for Xmas, 1913

- ☐ Order high-grade cuttings **NOW**; we guarantee you 104 per cent, for we give 104 cuttings to the hundred; get them **NOW**.
- ☐ You will want some strong, grafted roses; we have them on selected **Irish Manetti**; order them **NOW**.
- ☐ We are Western Headquarters for the two splendid forcers, **Mrs. Chas. Russell** and **Mrs. Geo. Shawyer**. Place your order **NOW**.
- ☐ Nothing talks so loud and so well as quality; we guarantee it.
- ☐ Send for our new catalog.

THE E. G. HILL CO.,
RICHMOND, IND.

THE NEW GOLD MEDAL ROSE

"Mrs. Charles Russell"

This **Giant Forcing Rose** is an American Seedling raised at the **Waban Rose Conservatories**, and has been tested in our houses for several years.

It has proved to be a strong, vigorous grower, and its freedom of bloom is remarkable for a Rose that is fully as large as an American Beauty.

Its large pointed buds, of a clear rose pink and delightfully sweet fragrance, are the admiration of all who have seen it, either growing in our houses or as exhibited by us at the different shows.

It has received high honors when exhibited at such centers as Philadelphia, New York and Boston. At the latter place the Massachusetts Horticultural Society honored it with a **Gold Medal**, a rare distinction from this conservative society.

Plants Will Be Ready for Delivery after March 1st, 1913.

OWN ROOTS—\$30 per 100, \$250 per 1000 plants.
GRAFTED STOCK—\$5 per 100 extra.

WABAN ROSE CONSERVATORIES, Natick, Mass.

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET, ILL.

Mention the American Florist when writing

SPECIALTIES

Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

Prices low. Send for list.

Wood Brothers, FISHKILL
New York

SUNBURST

Extra Choice Young Plants own root in 2½-in. pots,
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100—Ready January.

BASSETT & WASHBURN

Office, 131 No. Wabash Ave.
CHICAGO

Greenhouses,
HINSDALE, ILL.

The Early Advertisement Gets There

"History Repeats Itself"

Some Roses are like men—they have to be transplanted to bring out their best qualities. American Beauty never attained the importance in its native France as "Mme. Ferdinand Jamain," that it has in America. The same was true of "Katherine Mermet," from which we got the two sports Bride and Bridesmaid. Liberty and Killarney never developed under the weepy skies of Ireland as they did in America.

The latest aspirant, "MRS. GEO. SHAWYER," we predict will find its way to the front just as have the varieties mentioned. Come and see it growing and convince yourself. \$30.00 per hundred; \$250.00 per thousand. Grafted or own root.

"MILADY" The New Crimson, per hundred, - \$ 30.00
per thousand, - 250.00

CARNATIONS

Enchantress Supreme and Salmon Beauty, two fine sports from Enchantress. } \$12 per 100
Commodore, the freest Xmas blooming scarlet we have. } \$100 per 1000
Northport, the leader in the dark pink section.

Rosette, St. Nicholas and Benora, - - \$6.00 per 100; \$50.00 per 1000

Also All the Standard Varieties of Carnations.

Chas. H. Totty, Madison, N. J.

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora	6 00	50 00
Gloriosa	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress	3 00	25 00
Rose Pink Enchantress	3 00	25 00
Scarlet Glow	3 00	25 00
Mrs. C. W. Ward	3 00	25 00
Bonfire	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

New American Beauty Geranium

We take great pleasure in introducing to our many customers for 1913 the **New American Beauty Geranium**. For the first time, after working on this wonderful new geranium for nearly three years, we are offering it for sale.

Our claim for **American Beauty Geranium** is that it surpasses all other geraniums in its real American Beauty color.

American Beauty is Semi-Double.

All orders are filled in rotation, so place your orders early with cash accompanying. Stock ready for shipment in January, 1913. Price to the trade: from 2½ inch pots 50c each, \$5.00 per doz.; from 3 inch pots, \$1.00 each, \$10.00 per doz. Write for colored cut.

JOHN BAUSCHER

104 Chicago St., FREEPORT, ILL.

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Anemone Japonica, strong field-grown clumps, Alba, Rubra, Queen Charlotte and Whirlwind, \$5.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedei 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including **Cyrtomium Falcatum**, and **Aspidium Tsussimense**, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants, perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high, \$6.50 each.

THE STORRS & HARRISON CO. - Painesville, Ohio.

Geraniums

Coleus

ROOTED CUTTINGS ONLY.

S. A. Nutt \$12.50 per 1000

Ricard 15.00 " "

Poitevine 15.00 " "

Next delivery Jan. 27th.

ROOTED CUTTINGS ONLY.

Red, Yellow and general assortment at \$6.00 per 1000.

Giant leaved, \$1.50 per 100.

Next delivery Jan. 14th.

GUARANTEED STOCK: I ASSUME ALL RISKS.

ALBERT M. HERR, Lancaster, Pa.

The Early Advertisement Gets There

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted.....per 100, \$30.00 Per 1000, \$250.00
Own Root....." " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted.....per 100, \$20.00 Per 1000, \$150.00
Own Root....." " 12.00 " " 100.00

MRS. CHAS. RUSSELL

Grafted.....per 100, \$35.00 Per 1000, \$300.00
Own Root....." " 30.00 " " 250.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire) RADIANCE, MRS. AARON WARD, LADY HILLINGDON, RICHMOND

Grafted.....per 100, \$15.00 Per 1000, \$120.00
Own Root....." " 7.50 " " 60.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings.....per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings.....per 100, \$3.50 Per 1000, \$30.00

WHITE WONDER, WHITE ENCHANTRESS, WHITE PERFECTION, MRS. C. W. WARD, ENCHANTRESS, MAY DAY

Rooted Cuttings.....per 100, \$3.00 Per 1000, \$25.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLOREA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Minia, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagravere. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.



"The Herald"

WONDERFUL NEW SCARLET CARNATION. BEST EVER
DISSEMINATED. ORDER YOUR ROOTED CUTTINGS NOW.

The Herald is winner over all scarlets the past two years at Cincinnati Flower Show, 1911; St. Paul Flower Show, 1912; Cleveland Flower Show, 1912. Scored 87 points St. Louis, 1912; scored 89 Chicago Florists' Club, 1912.

The Herald is an early, free and continuous bloomer; the most perfect carnation in every way: Long strong stem, strong absolutely non-bursting calyx, large full and well-built flowers, bright clear scarlet. Cuttings strong, well rooted. Guaranteed satisfactory in every respect. \$12.00 per 100; \$100 per 1000.

150,000 Rooted Cuttings of the following ready for immediate delivery.

	Per 100	Per 1000		Per 100	Per 1000
The Herald, scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink.....	3.00	\$25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Wodenethe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa, medium pink.....	4.00	35.00	Washington, dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder, pure white.....	3.00	25.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00



CHICAGO CARNATION CO.

30 E. Randolph St.,

CHICAGO, ILL.

Index to Advertisers.

Advance Co The.....1480
 Aggeler & Musser
 Seed Co.....1462
 Albany Cut Flower Ex.....1453
 Alpha Floral Co.....1455
 American Spawm Co.....1466
 Amling E C Co.....1449
 Anderson S A.....1455
 Andorra Nurseries.....1468
 Angermueller G H.....1450
 Aphine Mfg Co.....1478
 Archias Floral Co.....1458
 Aschmann Godfrey.....1468
 Atlanta Floral Com-
 mission Co.....1451
 Atlanta Floral Co.....1456
 Auburndale Gold
 Fish Co.....1448
 Bader Jno & Co.....1462
 Barrows H H & Son.....1465
 Bassett & Washburn
 Co.....1440 1469
 Batavia Greenhouse
 Co.....1448
 Baur Window Glass
 Co.....1478
 Bauscher John.....1470
 Bayersdorfer H.....1477
 Beaven E A.....1438
 Begerow's.....1458
 Berger Bros.....1450
 Berning H G.....1450
 Bertermann Bros Co.....1456
 Blair Robt. T.....1472
 Bobbitt & Atkins.....1468
 Boddington A T.....II
 Bodger J & Sons Co.....II
 Boland J B Co.....1455
 Bolgiano J & Sons.....II
 Rowe M A.....1457
 Bramley & Son.....1458
 Brant S D.....1462
 Braslan Seed Grow
 Co.....1460
 Breitmeyer's J Sons.....1456
 Brown Alfred J Seed
 Co.....1460
 Brownell C W & Co.....1438
 Bruns H N.....II
 Buchbinder Bros.....1476
 Buckbee H W.....1458
 Budlong J A.....1445
 Burpee W A & Co.....1461
 Caldwell the Woods-
 man Co.....1438
 California Seed Grow
 Assn.....1460
 Camp Conduit Co.....III
 Carbone Philip L.....1458
 Castner Benj. F.....1462
 Chicago Carn Co.....1449 1471
 Chicago Flower
 Growers Assn.....1447
 Chicago House
 Wrecking Co.....1480
 Clark E B Seed Co.....II
 Clark's Sons David.....1457
 Cleveland Cut
 Flower Co.....1457
 Conard & Jones.....1465
 Cooke Geo H.....1455
 Cotsonas Geo & Co.....1438
 Cowee W J.....1476
 Coy H C Seed Co.....1462
 Craig Robt Co.....1468
 Critchell C E.....1451
 Cunningham Jos H.....1467
 Dailladousse Bros.....1465
 Dammann & Co.....1461
 Daniels & Fisher.....1457
 Dards Chas.....1456
 Deamud J B Co.....1446
 Denafite & Son.....1460
 Dennison Mfg Co.....1439
 Derby Henry.....III
 Detroit Flower Pot
 Mfg.....III
 Dietsch A & Co.....IV
 Diller Caskey &
 Keen.....1480
 Dillon J L.....1466
 Dingee & Conard Co.....1465
 Dorner F & Sons.....1470
 Dreer H A.....1461 1477 1478
 Duerr Chas A.....1458
 Dunlop John H.....1457
 Dwelle - Kaiser Co
 The.....1478
 Edwards Folding
 Box.....1472

Elk Galax & Fern
 Co.....1438
 Emmans Geo M.....1464
 Erie Floral Co.....I
 Erne & Klingel.....1448
 Esperance L Nurs.....1468
 Ever Ready Flower
 Pot Cover Co.....1448
 Eyres H G.....1457
 Fish Henry Seed Co.....1462
 Florists' Hall Assn.....1477
 Florists' Telegraph
 Delivery.....1454
 Foley Mfg Co.....IV
 Fottler, Fiske,
 Rawson Co.....II
 Franklin Plant Farm.....1466
 Franzen F O.....1462
 Freeman Mrs J B.....1458
 Freeman & Sons S.....1476
 Froment H E.....1453
 Galvin Thos F.....1457
 Garland G M.....1479
 Gasser J M Co.....1457
 Geny Bros.....1458
 Giblin & Co.....1480
 Godineau R & M.....1461
 Goodfellow Jas H
 Mfg Co.....1479
 Gorham & Chapline III
 Grand Rapids
 Flower Co.....1457
 Groves Robert.....1438
 Gude Bros.....1456
 Gutman Alex J.....1453
 Hatcher, Florist.....1458
 Haven Seed Co The.....1461
 Heacock Jos Co.....1459
 Heini John & Son.....1455
 Henderson A & Co.....1462
 Herr Albert M.....1470
 Herrmann A.....1476
 Hess & Swoboda.....1456
 Hews A H & Co.....III
 Hilfinger Bros.....III
 Hill E G & Co.....1469
 Hines E Lumber Co.....1480
 Hoerber Bros.....1449
 Hoffman Flo Artist.....1457
 Hoffmeister Flo Co.....1451
 Holm & Olson.....1456
 Holton & Hunkel Co.....1450
 Home Cor School.....1483
 Hooker H M Co.....1478
 Hurff Edgar F.....1462
 Igoo Bros.....1472
 Illinois Pipe Mfg Co.....1480
 Isbell S M & Co.....II
 Jackson & Perkins.....1467 1468
 Jacobs S & Sons.....1479
 Johnson J Oliver.....1461
 Johnson W W & Son.....1461
 Johnston Glass Co.....1478
 Jones Percy.....1453
 Kasting W F Co.....1451
 Keller Geo & Sons.....III
 Keller J B & Sons.....1458
 Kellogg Geo M.....1455
 Kennicott Bros.....1449
 Kervan Co The.....1453
 Kessler W A.....1453
 Kift Robt.....1457
 King Construct Co.....1479
 Kohr A F.....III
 Kohlschreiber F.....1462
 Kramer J N & Son.....III
 Kroeschell Bros Co.....1477
 Kruchten John.....1449
 Kuehn C A.....1450
 Kuhl Geo A.....1464
 Kyle & Foerster.....1449
 LaCrosse Floral Co.....1455
 Lager & Hurrell.....I
 Lange A.....1455
 Landreth Seed Co.....II
 Lecakes N L & Co.....1453
 Lederer.....1476
 Leedle Floral Co.....1464
 Lehman Bros.....1479
 Leonard Seed Co.....1461
 Lord & Burnham.....1477
 McCallum Co.....1451
 McConnell Alex.....1455
 McCoy L W.....1458
 McCullough's J M
 Sons Co.....1451
 McHutchinson & Co.....II
 McKellar Chas W.....1448
 McKenna P & Son.....1457
 Mailander W M.....1472
 Mangel.....1455

Matthews Florist.....1457
 May & Co L L.....1455
 Meconi Paul.....1453
 Mette Henry.....1466
 Meyer John C & Co.....1438
 Michigan Cut Flower
 Exchange.....1438
 Miller E S.....1461
 Moninger J C Co.....IV
 Montreal Floral Ex.....1451
 Moore, Hentz &
 Nash.....1453
 Morehead Mfg Co.....1480
 Mt Gilead Pottery
 Co.....III
 Murray Samuel.....1456
 Myers Florist.....1458
 Nat Flo B of Trade.....1480
 N Y Cut Flower Ex.....1453
 Niessen Leo Co.....1451
 Oechsli Frank.....1466
 Oklahoma Seed Gro
 Co.....1461
 Palmer W J & Son.....1456
 Park Floral Co.....1456
 Peacock Dahlia Fms.....1468
 Pedrick Geo & Son.....1462
 Pelicano, Rossi &
 Co.....1456
 Pennock-Meehan Co.....1453
 Penn the Florist.....1456
 Peters & Reed Poty III
 Peterson & Sons J A I
 Pierson A N (Inc).....1459 1471
 Pierson F R Co.....I 1462
 Pieters & Wheeler
 Seed Co.....1460
 Pillsbury J L.....1476
 Pinkston Jas E.....1438
 Pittsburg Cut Flo Co.....1451
 Podesta & Baldocchi.....1457
 Poehlmann Bros Co.....1441 1467
 Pollworth C C Co.....1450 1457
 Pulverized Manure
 Co.....1478
 Quaker City Machine
 Works.....1476
 Raedlein Basket Co.....1448
 Randall A L Co.....1449
 Randolph & Mc
 Clements.....1477
 Ratekin's Seed H'sel.....1461
 Rawlings Elmer.....1462
 Ready Reference.....1473
 Reed & Keller.....1480
 Regan Ptg House.....III
 Reid Edw.....1451
 Reinberg Geo.....1449
 Reinberg Peter.....1442 1466
 Reuter Chris.....1461
 Rice Bros.....1450
 Rice Co. M.....1438
 Robinson J C Seed Co.....II
 Rock W L Co.....1456
 Roemer Fred.....1461
 Rohner Seed Co.....II
 Routhahn Seed Co.....II
 Rusch G C Co.....1450
 Saakes O C.....1457
 Saltford Flower Shop.....1456
 Sawyer Albert A.....1467
 Scheel F F.....1464
 Schilder Bros.....1461

Schiller, the Florist.....1458
 Schillo Adam.....1472
 Schlatter W & Son.....1472
 Schling Max.....1458
 Schmidt J C.....1465
 Schulz Jacob.....1456
 Scott John.....1465
 Shaffer Geo C.....1457
 Sharp Partridge & Co.....1478
 Siebrecht & Sie-
 brecht Inc.....1453
 Situation & Wants.....1437
 Skidelsky S S & Co.....1461
 Smith A W & Co.....1457
 Smith E D & Co.....1464
 Smith & Hemenway.....1476
 Smith Henry.....1457
 Smith Wm C.....1450
 Smith W & T Co.....I
 Stearns Lumber Co.....1476
 Stoofthoff H A Co.....1476
 Storrs & Harrison.....1466 1470
 Superior Machine
 & Boiler Works.....1476
 Syracuse Pottery Co III
 Taylor Hugh M.....1461
 Taylor Steam Trap
 Co.....1480
 Texas Seed & Flower
 Co.....1455
 Thompson Car Co.....1469
 Thomson Wm &
 Sons.....1478
 Thorburn J M & Co.....1461
 Totty Chas H.....1464 1470
 Trimble W E
 Greenhouse Co.....1449
 Valentine Frank.....1455
 Vaughan A L & Co.....1444
 Vaughan's Seed Store I
 1447 1461 1463 1465
 1466 1468 1477 III
 Vestals.....1458
 Vick's Sons Jas.....1464
 Vincent R Jr.....I 1466
 Virgin U J.....1458



Wm. Mailander Greenhouse Contractor Morton Grove, Ill.

Estimates for greenhouse construction work in 1913 can be furnished now.

Mention the American Florist when writing



Mention the American Florist when writing



Mention the American Florist when writing

THE EARLY ADVERTISE- MENT GETS THERE.

GREENHOUSE GLAZING.

Big jobs a specialty
Prices on application

ROBT. T. BLAIR,
122 E. Wood Ave., COLUMBUS, OHIO

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.
Hawthorne and Weed Sts., CHICAGO.
L.D. Phones: Lincoln 410 and 411

Mention the American Florist when writing

M. WINANDY CO., Mfrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
AND HEATING SYSTEM.**

Write for particulars.
6236 N. Lincoln St. CHICAGO
Telephone Ravenswood 607.

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum. A. N. Pierson, Inc., Cromwell, Conn.

ALTERNANTHERAS.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

ARAUCARIAS.

Araucaria excelsa, 5, 5½ and 6-in., 40c to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2¼-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2¼-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2¼-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2¼-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus Sprengeri and plumosus, 4-in., 10c; 2¼-in., 4c; 3-in., 6c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., \$2.50 per 100; \$20 per 1,000. John Dieckmann, Elm Grove, W. V.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green and variegated, 6-in., 75c to \$1.25. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

AZALEAS.

Azaleas, in bloom, Vervæneana and other colors, 75c to \$1.50. For Easter, assorted, 50c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonia Glory of Cincinnati, 2¼-in., \$3 per doz.; 4-in., \$6; 5-in., \$9; 6-in., \$12 and \$18. J. A. Peterson & Sons, Westwood, Cincinnati, O.

Begonias, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-in., 50c to \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOXWOOD.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbs, Gladiolus Pink Augusta, \$2.50 per 100; \$20 per 1,000. A few extra selected bulbs, \$2.75 per 100; \$25 per 1,000. Florists' Mixture, \$2 per 100; \$16 per 1,000; White, light and pink, \$2.25 per 100; \$18 per 1,000. Cash. Also Augusta, Francis King, Mme. Monneret, Taft, Klondyke. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, gladiolus, Blushing Bride, and The Bride, 60c per 100; \$5 per 1,000. Peachblow, \$1 per 100; \$9 per 1,000. America, \$3.50 per 100; \$30 per 1,000. Mrs. F. King, \$2 per 100; \$18 per 1,000. Spreas, Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. Storrs & Harrison Co., Palmsville, O.

Bulbs for fall planting and forcing. For varieties and prices see advertisement elsewhere in this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, lillum multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Spiraea, strong clumps, Floribunda, \$1 per doz.; \$7 per 100; Gladstone, \$1.25 per doz.; \$9 per 100. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Callas, Japanese grown. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs of all kinds. James Vick's Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CANNAS.

CANNAS. Fine 2 to 3 Bulbs.
Sec. Chabane \$1.50 per 100
Robusta 1.00 per 100
Paul Marquant 2.00 per 100
Mlle. Berat 2.50 per 100
Pres. Cleveland 2.50 per 100
Pennsylvania 3.00 per 100
C. F. Read 3.00 per 100
Henry George 4.00 per 100
Chas. Henderson 4.00 per 100
Papa Nardy 5.00 per 100
Marvel 5.00 per 100
David Harum 5.00 per 100
King Humbert 7.00 per 100
Cinnabar 1.00 per 100
Mixed 1.00 per 100

WAGNER PARK CONSERVATORIES, Sidney, O.

Two million CANNA ROOTS in 100 best varieties, from \$7 per 1,000 up. Also Caladiums, Begonias, tuberous rooted; Dahlias, Gladiolus, Gloxinias, Tuberose, etc. How many and what kind do you want this spring? Early orders get low prices. Shellroad Greenhouses, Grange, Baltimore, Md.

CARNATIONS.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

ROOTED CARNATION CUTTINGS.

150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet.....	\$12.00	\$100.00
Rosette, dark pink.....	6.00	50.00
Wodenesthe	6.00	50.00
Gloriosa, medium pink.....	4.00	35.00
Pink Delight, flesh pink.....	6.00	50.00
Conquest, overlaid pink.....	4.00	35.00
White Wonder, pure white.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00
White Perfection.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00
Princess Charming, flesh pink.....	3.00	25.00
May day, deep flesh.....	3.00	25.00
Rose Pink Enchantress.....	3.00	25.00
Washington, dark pink.....	3.00	25.00
(Sport of Enchantress)		
Alvina, very free.....	3.00	25.00
Victory, scarlet.....	3.00	25.00
Scarlet Glow, scarlet.....	3.00	25.00
Bonfire, scarlet.....	3.00	25.00
Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.

30 E. Randolph Street. Chicago, Ill.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Enchantress	\$2.00	\$18.00
White Enchantress	2.00	20.00
Washington	2.00	18.00
Lawson	1.50	12.50
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Winsor	1.50	12.50
Victory	1.50	12.50
Bonfire (finest red).....	3.00	25.00

WIETOR BROS.,

162 N. Wabash Ave., Chicago, Ill.

CARNATION CUTTINGS.

For January delivery.

	Per 100	Per 1,000
Wodenesthe	\$6.00	\$50.00
White Wonder	4.00	35.00
White Enchantress	3.00	25.00
Enchantress	3.00	25.00
Beacon	3.00	25.00
Rose Pink Enchantress.....	2.50	20.00

J. D. THOMPSON CARNATION CO.

JOLIET, ILL.

ROOTED CARNATION CUTTINGS.

Good clean stock. White Perfection, Enchantress, White Enchantress, Victory and Mrs. C. W. Ward, \$25 per 1,000; \$3 per 100. Ready now.

W. E. LYNCH CO.,

3519 Van Buren St., Chicago, Ill.

"COLORADO GROWN PLANTS BEAT THEM ALL."—Well rooted CARNATION CUTTINGS for December, January and February delivery. All strong, healthy stock, guaranteed true to name. Pure White Enchantress, White Wonder, White Perfection, Mrs. C. W. Ward, Beacon and O. P. Bassett, at \$3 per 100; or \$25 per 1,000. Pink Enchantress and Victory at \$2.50 per 100; \$20 per 1,000. White Lawson and Winsor at \$2 per 100; \$15 per 1,000. Cash or satisfactory references. Early orders will insure prompt delivery. ELITCH-LONG GREENHOUSES, Denver, Colorado.

Carnations, rooted cuttings, strong, healthy stock out of sand: Winsor, Victory, \$1.50 per 100; \$13 per 1,000. White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000. White Enchantress, \$2.50 per 100; \$20 per 1,000; 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Beacon, \$3.50 per 100; \$30 per 1,000. White Wonder, White Enchantress, White Perfection, Mrs. C. W. Ward, Enchantress, May Day, \$3 per 100; \$25 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Carnations, Northport, Commodore, Enchantress Supreme, and Salmon Beauty, \$12 per 100; \$100 per 1,000. Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Beacon, White Enchantress, Rose Pink Enchantress, White Perfection, \$2.50 per 100; \$17.50 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

Carnations, C. W. Ward, White Enchantress, Beacon, \$2.25 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000 \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, rooted cuttings, good, strong ones. Josephine, early yellow, are gone when Bonaffon comes, \$1 per 100. Advance, Polly Rose, Major Bonaffon, 75c per 100. Cash, C. L. Humphrey, Zanesville, Ohio.

Chrysanthemums, all the leading varieties. For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bloom, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$7.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

DAHLIAS. Undivided Field Clumps.			
Snowflake	.....	\$1.00 per doz.	\$6.00 per 100
Snowclad	.....	75 " "	4.00 " 100
J. H. Roach	.....	75 " "	4.00 " 100
Olympia	.....	75 " "	4.00 " 100
Countess of Lonsdale	.....	1.00 " "	6.00 " 100
C. W. Brutton	.....	75 " "	4.00 " 100
Earl of Pembroke	.....	50 " "	3.00 " 100
Penelope	.....	75 " "	4.00 " 100
Eclipse	.....	75 " "	4.00 " 100
Araucella	.....	75 " "	4.00 " 100
Black Beauty	.....	50 " "	3.00 " 100
Mixed	.....	50 " "	3.00 " 100

WAGNER PARK CONSERVATORIES,
Sidney, O.

DAISIES.

Daisies Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracena terminalis, 4 and 5½-in., 25c to 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracena Massangeana, \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmaus, Newton, N. J.

FERNS.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica, Victoria, Aspidium taussimensis, Wilsoni, Sieboldii, Mayl, Wimssetti, Pteris multiceps

Cyrtomium falcatum or holly fern. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,
Largest rose growers in the world,
Box 18 SPRINGFIELD, O.

Ferns, Boston, 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$7.50 per doz.; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 each. Whitman, prices and sizes same as above. Boston, 2½-in., \$3.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Rousevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Ferns, Scottii, Whitman, Schozeli, Boston, Giatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechslein, 4911 Quincy St., Chicago.

Pteris Wimssetti, 10,000 extra strong 2-in., \$3 per 100; \$25 per 1,000. J. F. Kidwell & Brother, 3806 Wentworth Avenue, Chicago, Ill.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmaus, Newton, N. J.

Ferns. John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns. Bobbink & Atkins, Rutherford, N. J.

FICUS.

Rubber plants, 6-in., 75c to \$1 each. Ficus pandurata, 7-in., 5 to 6 feet tall, \$4.50 to \$5 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, full rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted. Beaute Poitevine, Marq. de Castellane, S. A. Nutt, Jean Vlaud, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

ROOTED GERANIUM CUTTINGS.

The "BIG FOUR" bedders for immediate delivery. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buckner (white), A. No. 1 stock, \$1.50 per 100; \$14.00 per 1,000. Beaute Poitevine (salmon), \$1.75 per 100; \$16.00 per 1,000. CASH. THE W. T. BUCKLEY CO., Springfield, Ill.

NEW AMERICAN BEAUTY.

For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c each; \$5 per doz.

JOHN BAUSCHER, JR.

104 Chicago St., Freeport, Ill.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, S. A. Nutt, Poitevine, 2½-in., \$3 per 100; \$25 per 1,000. Buchner, \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Five thousand Sallerol geraniums, strong, 2-in., fall propagated, \$20 per 1,000. Also three thousand strong, 4-in. Smilax. G. Fleischner, Pueblo, Colo.

Geraniums. For varieties and prices see advertisement on front cover page. R. Vincent Jr., & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poitevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, S. A. Nutt, double, Clifton, single, same color as Nutt, \$15 per 1,000. H. P. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Mme. Sallerol geraniums, 2-in., \$1.50 per 100. Cash, C. L. Humphrey, Zanesville, Ohio.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Bronze galax, \$5 per case; 5 or more cases, \$1.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$5 per 100; \$75 per 1,000. Select, 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO.,

Largest rose growers in the world,
Box 18 SPRINGFIELD, O.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Sour de Clavier, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in., pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, for Easter forcing, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

IVIES.

English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import.

Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

MOSS

Sphagnum moss, 3x2x2 bales—burlapped, f. o. b. Walden, N. Y., \$2.25. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss, Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom Spawm, Lambert's Pure Culture. American Spawm Co., St. Paul, Minn.

NURSERY STOCK.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines, Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Storrs & Harrison Co., Painesville, O.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

ONION SETS.

Choice cleaned ONION SETS, red, \$1.25; white, \$1.35; yellow, \$1.15 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2.50. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Urtilis, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentia Forsk., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in., 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Forsteriana, 4-in., 25c each. Belmoreana, 4-in., 25c. Areca lutescens, 3-in., 10c. Lantania Borb., 4-in., 15c. The Dingee & Conard Co., West Grove, Pa.

Palms. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms. John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms. McHutchison & Co., 17 Murray St., New York.

Palms. Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansies. \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Dreer's strain of double petunias, 3-in., 75c per doz.; \$6 per 100. Henry A. Dreer, Philadelphia, Pa.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

PRIMULAS.

Primula Obconica grandiflora and Chinese, 5 1/4-in., \$2 and \$2.50 per doz.; 4-in. Obconica, 10c and 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula Malacoides, strong, 2 1/4-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primroses, obconica, alba, rosea and gigantea, 2 1/4-in., \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primulas, 2 1/4-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER NORTH. The hardest privet grown, 12 to 18 inch, \$2 per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C. Atlanta Floral Commission Co., Atlanta, Ga.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES—Fine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blancs, Hermosa, White Cochet, Anna Muller, Ping Cochet, White La France, Clothilde Sompert, Mme. Abel Chatmay, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant, Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

Rose Mrs. Charles Russell, plants ready for delivery after March 1, 1913, own roots, \$30 per 100; \$2.50 per 1,000; grafted stock, \$5 per 100 extra. Waban Rose Conservatories, Natick, Mass.

ROOTED ROSE CUTTINGS.

	Per 100.	Per 1,000.
American Beauties	\$3.00	\$25.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
Richmond	2.00	18.00
My Maryland	3.00	25.00

Ready now. Satisfaction Guaranteed.

GEORGE REINBERG

162 N. Wabash Ave. Chicago, Ill.

Rose Erna Teschendorf, 4-in., 25c each; \$2.50 per doz.; 2-year dormant, doz., \$5; \$35 per 100. Vaughan's Seed Store, Chicago and New York.

Rose Milady, \$30 per 100; \$250 per 1,000. Mrs. Geo. Sawyer, \$30 per 100; \$250 per 1,000. Chas. H. Totty, Madison, N. J.

Roses. McHutchison & Co., 17 Murray St., New York.

Roses, Mrs. Chas. Russell and Mrs. Geo. Sawyer. The E. G. Hill Co., Richmond, Ind.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses, 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses. Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pier-son, Inc., Cromwell, Conn.

ROOTED CUTTINGS.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Vaughan's Flower Seeds—Ageratum, alyssum, antirrhinum, asparagus, aster, begonia, bellis, candytuft, celosia, centaurea, cobaea scandens, coleus, cyperus, dracena, echeveria, grevillea robusta, heliotrope, ipomoea noctiflora, lantana hybrids, lobelia, mignonette, Mimulus, myosotis, petunia, pyrethrum, salvia, stocks, verbenas, vinca rosea. See page advertisement for prices. Vaughan's Seed Store, Chicago and New York.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; 1/4 oz., \$1.75; 1/2 oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Flower seeds. For varieties and prices see advertisement elsewhere in this issue. F. O. Franzen, 1476 Summerdale Ave., Chicago.

Seeds, fringed petunias, dbl., 75c per 500 seeds; \$1.50 per 1,000; single, 50c per trade packet; \$1 per 1-16 oz.; \$1.50 per 1/4 oz. Henry A. Dreer, Philadelphia, Pa.

Seeds, cauliflower, white Tripoli onion, (crystal wax) and all other vegetable and flower seeds. Dammann & Co., San Giovanni a Teduccio near Naples, Italy.

Seeds, beets, cabbage, carrot, celery, lettuce, onion, parsley, radish, rutabaga, turnip. De-nalfe & Son, Carignan, France.

Seeds, garden and flower. S. D. Woodruff & Sons, 82-84 Dey St., New York.

Seeds, cucumber, musk and watermelon, pumpkin, squash, sweet and field corn. Western Seed and Irrigation Co., Fremont, Neb.

Seeds. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Seeds, lettuce, onions, sweet peas, aster, cosmos, mignonette, verbenas. Waldo Rohmert, Gilroy, Calif.

Seeds, sweet peas, tomatoes, Lima beans, lettuce, asters, cosmos, etc. John Bodger & Sons Co., Los Angeles, Calif.

Seeds, Asparagus plumosus nanus, new crop northern greenhouse grown, ready. Vaughan's Seed Store, Chicago and New York.

Seeds, specialties: Beets, mangoes, carrots, cabbages, celeries, parsleys, parsnips, turnips, R. & M. Godineau, Angers, France.

Pedigree seeds. Watkins & Simpson, Ltd., 12 Tavistock St., Covent Garden, London, England.

Seed, watermelon, 1913 contracts for the trade. Hugh M. Taylor, Lloyd, Fla.

Seeds. W. Atlee Burpee & Co., Philadelphia, Pa.

Seeds, watermelon and muskmelon seeds. Oklahoma Seed Growers' Co., Enid, Okla.

Seeds, tomato. The Haven Seed Co., Santa Ana, Calif.

Look for "The Sawyer Asterum" advertisement on another page in this issue.

Ratekin's Seed Corn. Ratekin's Seed House, Shenandoah, Iowa.

Peas and beans. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds, German flower seeds. Frederick Roemer, Quedlinburg, Germany.

Seeds, Landreth, Bloomsdale Farm, Bristol, Pa.

Seeds of all kinds. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, Japan clover, Bermuda onion seed. Chris. Reuter, New Orleans, La.

Seeds, onion, lettuce, radish, sweet peas, etc. Pieters-Wheeler Seed Co., Hollister, Calif.

Seeds, onion, lettuce, carrot, radish. Bran-ian Seed Growers' Co., Inc., San Jose, Calif.

Seeds, field and garden. J. Bolgiano & Son, Baltimore, Md.

Pansy seed, new crop, Giant Flowering, \$4 per oz. Jos. H. Cunningham, Delaware, O.

Seeds. James Vicks' Sons, Rochester, N. Y.

SMILAX.

Smilax, 3-in., \$4.50 per 100; \$40 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Forcing, Grand Rapids and Tennis Ball, \$1 per 1,000; 80c per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, tomato, egg and pepper plants. Benj. F. Castner, Belvidere Ave., Washington, N. J.

VINCAS.

VINCA MINOR (trailing periwinkle). A hardy evergreen vine, trailing close to the surface, forming a dense mat, thriving under trees where grass will not grow; useful for binding the soil on slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy green foliage. Well rooted plants, \$1.50 per 100; \$10 per 1,000; 5,000 for \$40. Samples on request. E. Y. TEAS, Centerville, Ind.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, 3-in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

BUILDING MATERIAL.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material. Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far, 50c per 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE, 38-40 Broadway, Detroit, Mich.

Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



Split Carnations Easily Mended with Pillsbury Carnation Staple

We find it very satisfactory.
J. L. DILLON.
Can't get along without them.
J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
Sam plectree. For sale by dealers.

A. HERRMANN,

Cape Flowers, all colors, Cycas
Leaves, Metal Designs and all
Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized
Cattle, Shredded Cattle manure. The Pulver-
ized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes
and all supplies. Send for wholesale catalogue.
Auburdale Goldfish Co., 920 W. Randolph St.,
Telephone, Haymarket 132, Chicago.

INSECTICIDES.

The K's Insecticide, Fertilizer and Disinfectant
Nozzle, with "Fermentizo," \$2. Jos. Kopcsay,
So. Bend, Ind.

MATS.

MATS:—We make not only the most prac-
tical but the cheapest **HOTBED** and **COLD**
FRAME MATS on the market. A large per-
cent of our orders come from gardeners and
florists who have tried them and are pleased.
Our mats are in use in Iowa, Ill., Ind., Ohio,
Minn., Wis., Mich., New York, Maine, Mass.,
Conn., R. I., N. J., Va., W. Va., and Pa.
Also in British Columbia and Ont., Canada. Send
for circular. **WATTS BROS.,** Kerrmoor, Pa.

MISCELLANEOUS.

Giraffe Cyclone Boiler Flue Blower; Buffalo
Vesuvius, a vacuum flue sucker; Perfect scrap-
ers. The Goodfellow Mfg. Co., 36 Ferguson
St., Buffalo, N. Y.

"Red Devil" pliers and glass cutters. Smith
& Hemenway Co., 215 Chambers St., New York.
Plant bed cloth, Henry Derby, 455 St. Paul's
Ave., Jersey City, N. J.

Greenhouse glass. Baur Window Glass Co.
Eaton, Ind.

Florists' Supplies of all kinds. H. Bayers-
dorfer & Co., 1129 Arch St., Philadelphia.

Green Silkline. John C. Meyer & Co., Low-
ell, Mass.

Baskets, new imported stock. Raedleln Bas-
ket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp. Partridge & Co., 22nd and
Lumber Sts., Chicago.

Glass, bent glass, ground glass. The John-
ston Glass Co., Hartford City, Ind.

REFRIGERATORS.

Florists' refrigerators. Buchbinder Bros., 518
Milwaukee Ave., Chicago.

ICELESS REFRIGERATING SYSTEMS.
Cleaner, better and cheaper than ice. Also
"HYGRADE" OAK AND TILE REFRIGERA-
TORS and FIXTURES. Ask for Catalogue
"O." H. A. Born Company, 1040 Van Buren
St., Chicago.

Peerless Refrigerators for florists. Jac. Led-
erer, 644-48 W. Madison st., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet,
per 100, 85¢; 600 for \$8; \$5.50 per 1000.
Pipe Stems, about 6 feet; per 10., 60¢; per
1,000, \$5. Vaughan's Seed Store, Chicago.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing

Preserve Cut Flowers in BUCHBINDER Florists' Refrigerators

Write to Dept. 63 for
illustrated catalog.

BUCHBINDER BROS.

518 Milwaukee Ave., CHICAGO, ILL.

Mention the American Florist when writing

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe

Mention the American Florist when writing



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

Mention the American Florist when writing

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Mention the American Florist when writing

The
Fumigating
Kind
Tobacco
Powder

A
Success
for
30 Years

Kills
Aphis
\$3.00
The 100 lb.
Bag

The H. A. Stoothoff, Co.
Mount Vernon, N.Y.

"SUPERIOR"

HOT WATER BOILERS
For Greenhouse Heating.

Made in 9 Sizes.

**Superior Machine
and Boiler Works.**

846-848 W. Superior St.,
Chicago, Ill.

Mention the American Florist when writing

WILKS' Hot Water Boilers

ARE THE MOST ECONOMICAL
Boiler for Greenhouses

No Night Fireman Required
with our

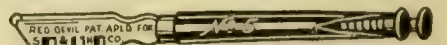
SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. CHICAGO

Mention the American Florist when writing

A "RED DEVIL" WITH SEVEN WHEELS



A magazine cutter with a hardwood handle in
which are six extra steel wheels. A reserve wheel
always ready in case of accident. A "Red Devil"
glass cutter you should have in your greenhouse
for cutting any kind of glass. Your local hardware
man sells them. Ask for "Red Devil," No. 5, but
get the genuine. Send us ten 2c stamps and we
will send you ONE only as a sample.

SMITH & HEMENWAY CO.,
105 Chambers Street, NEW YORK
Mention the American Florist when writing

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



You Can't Get Away From These Facts as Told by Mr. L. S. Baker, Baker Floral Co., Syracuse, N. Y.

As we approach the close of the first year during which we have used the greenhouses we purchased of you in 1911, our experience convinces us that you are entitled to a statement and expression of our appreciation.

In 1904, we started in the business by building a house 50 feet long and 20 feet wide, using material milled locally. The next year we erected a second of same construction. In 1907 we secured additional land about two miles from our original venture, and before building, looked into various commercial houses, finally, deciding on the same material as the original, but adopted your semi-iron idea and bought our fittings for this construction from you.

The next year, when planning an addition, I took a trip through to Chicago, noting houses and calling on builders at different points. I finally decided on the construction used in our 1909 house, 40x200, with the trussed construction. An addition of two houses 200 feet long, one 40, and the other 32 feet wide was planned and after consulting various plans and specifications we decided on one iron and one semi-iron L. & B., and had the same erected by you.

I cannot give you a comparison as to the results obtained in these two houses as they were planted to different stock. But the two large houses, your iron and the trussed house, we have planted to carnations, and we find a very decided

advantage in favor of your house, in numbers, cut and quality. These houses are similarly located and are cared for by the same men.

It is a pleasure to go through the large house, 40x200, on account of the large area exposed, with no obstructions as posts or net-work of wires overhead, and everything seems to be worked out to such a nicety that there is no sacrifice of strength to gain light.

During the winter, we have had several very severe wind storms, and the two houses erected by you we have found well made, showing no signs of wear, and we have had no up-keep expenses. They appear to be very rigid under any condition and do not cause us the trouble and expense of replacing broken glass. We can assure you that we are greatly pleased that we adopted your plans and had the houses erected by you.

Yours very truly,
BAKER FLORAL CO..



L. S. Baker

Lord & Burnham Co.

SALES OFFICES:

New York
St. James Building

Philadelphia
Franklin Bank Building

Boston
Tremont Building

Chicago
Rookery Building

Rochester
Granite Building.

FACTORIES:

Irrington, N. Y.
Des Plaines, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

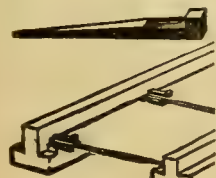
Mention the American Florist when writing

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLER, Secretary,
SADDLE RIVER N. J.

Mention the American Florist when writing



Siebert's Zinc Glazing Points.

Good for small or large glass, do not rust, easy to drive $\frac{3}{4}$ and $\frac{1}{2}$ inch Per lb. 40c, 5-lbs. \$1.85, 20-lbs. \$7.00

Vaughan's Seed Store
Chicago, New York.

Dreer's Peerless Glazing Points For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts. The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid. Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

Mention the American Florist when writing



SIEBERT'S ZINC Never Rust GLAZING POINTS

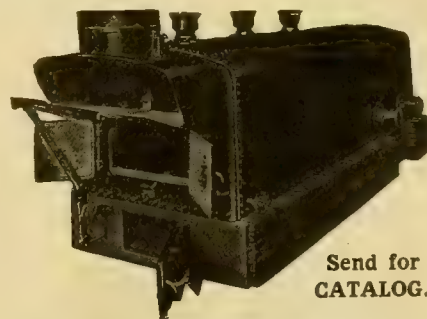
Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract Two sizes, $\frac{3}{4}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

The KROESCHELL BOILER

Was installed to heat over ten million (10,788,000) square feet of glass during the past five years.



Send for
CATALOG.

The Kroeschell Boiler

Will give you more heat with the same piping required by other boilers, and with less fuel.

Kroeschell Bros Co.,
452 W. Erie Street,
CHICAGO.

Aphine

*The Insecticide that
kills plant Lice
of every species*

The Recognized Standard Insecticide.
Not a cure-all, but a specific remedy for all
sap sucking insects infesting plant life, such
as green, black, white fly, thrips, red spider,
mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and
bench fungi. Unlike Bordeaux and lime, and
sulphur it does not stain the foliage, but
cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys
eel, cut, wire and grub worms, maggots, root
lice and ants. Used 1 part to 400 parts water,
it does not injure plants, but protects your
crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

All are spraying materials and are effective
in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellicott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.

CHICAGO, ILLINOIS

Mention the American Florist when writing

THE JOHNSTON GLASS CO.

Hartford City, Ind.

Bent Glass

Ground Glass

Mention the American Florist when writing

WIZARD Brand Manure is especially useful to the
florist in winter when the crude rough manure
supply is wet, frozen and hard to get.

Sheep or Cattle Manure Pulverized or Shredded

A kind for every use and in most convenient, effective form. Saves
labor, is ready for instant use when most needed and
can be depended upon.



One hundred pounds in a bag equals a whole
wagon load of stable manure.

Don't fail to specify **Wizard Brand** when you
order and you'll get the best. Your supply house
can furnish it if you insist, or we ship direct promptly.

The Pulverized Manure Company

32 Union Stock Yards, Chicago

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy

Quality A No. 1.

Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

Indispensable in the Garden.

Thomson's VINE, PLANT and VEGETABLE Manure



Unrivalled for vines, tomatoes, cucumbers, all flowering foliage and
fruit bearing plants; vegetables, lawns, etc. Has stood the test of 30
years. The result of many years of practical experience.

Sold by leading American Seedsmen.

Also Thomson's Special Chrysanthemum and Topdressing Manure,
An Excellent Stimulant.

Freight paid on quantities: liberal terms to retailers. Write
for our special offer to the American trade. Agents' cir-
culars, pamphlets, etc. to sole makers. **Write for prices, etc.**

**Wm. Thomson & Sons, Ltd., Tweed Vineyards,
Clovenstone, Scotland.**

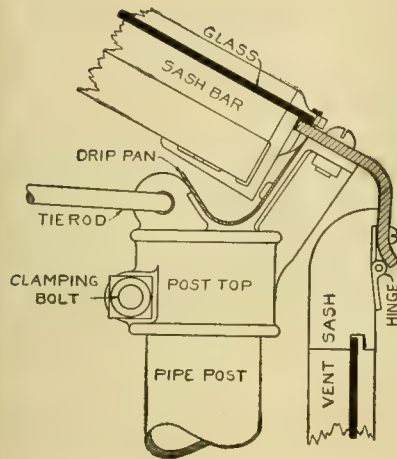
GREENHOUSE GLASS

Superior Quality and Right Prices.

Let Us Quote You. We Can Save You Money.

**Baur Window Glass Co., EATON,
IND.**

The Early Advertisement Gets There



CURVED IRON EAVE STYLE "S"

This Eave is intended for use on detached houses with either fixed glass or side sash. It is practically all exposed to the inside heat of the greenhouse and so is ice clearing.

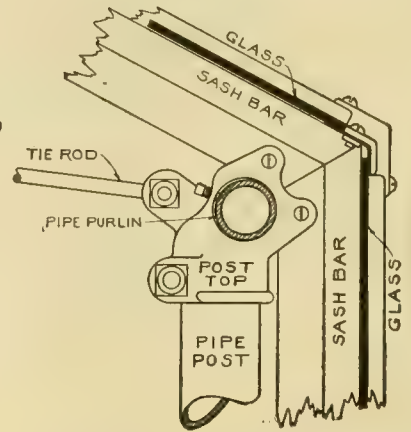
KING GREENHOUSE EAVES

They solve the Eave problem. They make the least possible shade. And, as you can see, present no surface for icicles to form on. They have great strength with lightness. They are designed and made for the purpose and not adapted from stock structural shapes. We want to figure with you.

KING CONSTRUCTION CO.

Home Office and Works:
North Tonawanda, N. Y.

New England Sales Office:
7 Water Street, Boston, Mass.



CURVED IRON EAVE STYLE "L"

This Eave, although lighter than Style "S", is amply strong for all eave purposes. It obstructs little light and is ice clearing in the most severe weather. It is intended for use with fixed glass only.

Garland Your Greenhouses

No Progressive Florist would build anything but Garland Sectional Concrete Benches.

Why don't you tear out those old wooden benches that are always giving you trouble and build permanent benches of concrete.

Garland Benches are successful.

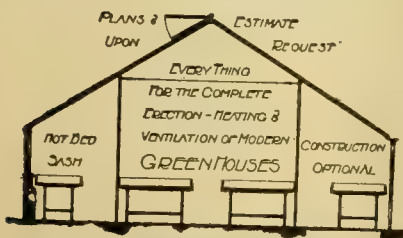
Write for circular.

The Geo. M. Garland Co.
Main Office: Des Plaines, Ill.

Branch Offices:

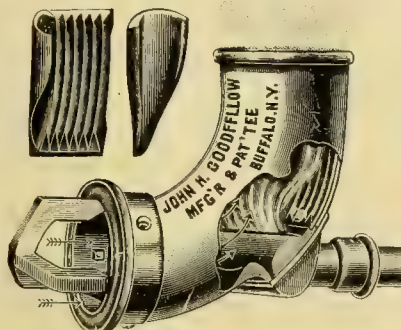
Means & Thacher, 6 and 8 Custom House St., Boston, Mass.
C. C. Shafer, 215 W. 14th St., Los Angeles, Cal.
S. A. Jamieson, 826 Plymouth Bldg., Minneapolis, Minn.

Mention the American Florist when writing



S. JACOBS & SONS

1361-1383 Flushing Av., Brooklyn, N. Y.



Buffalo Vesuvius A Vacuum Flue Sucker



PATENTED SEPT. 8, 1898.

Perfect Scraper

Sizes, 1 3/4 in. to 6 in. Diameter

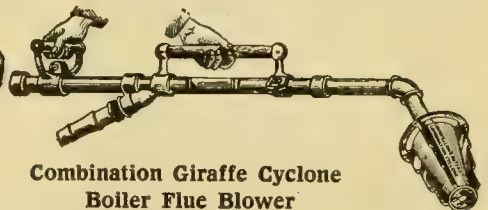
Mention the American Florist when writing



Giraffe Cyclone Boiler Flue Blower

THE WORLD'S BEST STEAM BOILER TUBE CLEANERS

Made by THE GOODFELLOW MFG. CO.,
36 Ferguson St. BUFFALO, N. Y.
Correspondence solicited or full data on request



Combination Giraffe Cyclone Boiler Flue Blower

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use by Florists, etc. The cost of heating is only **TWO CENTS** for **TWELVE HOURS CONTINUOUS HEAT.**

Send for descriptive circular to

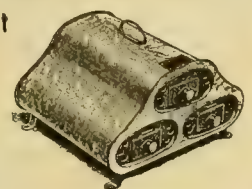
LEHMAN BROS., JAS. W. ERRINGER,

MANUFACTURERS,

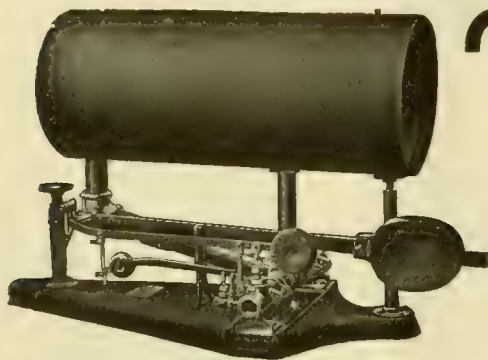
General Western Sales Agent

10 Bond St., NEW YORK.

20 E. Randolph St., CHICAGO



Mention the American Florist when writing



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried

Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price\$4.90
4C12005, with arms, price.....\$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete
Greenhouse Heating Systems. Send for
our Special Heating Catalog No. 47. Estimates
furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Droppings and
Other Greenhouse Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

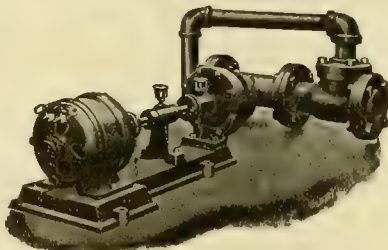
FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work,
and Novelties, and are dealers in Glass-
ware, Pottery, Decorative Greens and
all Florists' Requisites.

Mention the American Florist when writing

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have
them for steam or hot water.

Taylor return traps for steam,
Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

VENTILATING EQUIPMENT



Are you interested, or, in the market for Ventilating Apparatus and Greenhouse Fittings? If so, send in your dimensions and let us estimate on your needs. If not, write us anyway and get our new catalog and prices. You can file same for future reference. Our apparatus is made to meet every condition and we positively guarantee same to operate your sash perfectly.

Advance Co., Richmond, Ind.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

Boilers

OF HIGH
GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Utica, N. Y.

The Early Advertisement Gets There

THE AMERICAN FLORIST



America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXXIX

CHICAGO AND NEW YORK, JANUARY 18, 1913.

No. 1285

THE AMERICAN FLORIST

ESTABLISHED 1885.

Copyright, 1912, by American Florist Company
Entered as Second Class Matter Nov. 11, 1891,
at the Post Office at Chicago, Illinois,
under act of March 3, 1879.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

440 S. Dearborn St., Chicago.

Long Distance Phone: Harrison 7465.

Registered Cable Address: Amflo, Chicago.

Subscription, United States and Mexico, \$1.00 a
year; Canada, \$2.00; Europe and Countries
in Postal Union, \$2.50. Subscriptions
accepted only from the trade. Vol-
umes half yearly from August, 1901.

Address all correspondence subscriptions, etc.,
American Florist Co., 440 S. Dearborn St., Chicago.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—J. K. M. L. FARQUHAR, Bos-
ton, Mass., President; THEO. WIRTH, Minneapolis,
Minn., Vice-President; JOHN YOUNG, New York,
Secretary; WM. F. KASTING, Buffalo, N. Y.,
Treasurer. Next annual convention at Min-
neapolis, Minn., August, 1913.
Third National Flower Show, New York, April
5-12, 1913. JOHN YOUNG, Secretary, 54 West
Twenty-eighth Street, New York.

CHRYSANTHEMUM SOCIETY OF AMERICA

Annual convention and exhibition at Chicago,
November, 1913. CHARLES H. TOTTY, Mad-
ison, N. J., President; C. W. JOHNSON, Morgan
Park, Ill., Secretary.

**Index to Advertisers,
Page 1524**

**Ready Reference Advts.,
Page 1525**

**Help and Situations Wanted,
Advertisements,
Page 1491**

SUGGESTIONS FOR PLANT GROWERS.

Seeds for Present Sowing.

There are a number of plants that in order to obtain the best stock it is necessary that the seeds be sown during January. *Centurea gymnocarpa* is slow in making its growth and to have nice plants for edging the beds of geraniums and other plants an early start is required. *Vinca rosea* should be sown in January to obtain good blooming stock at planting time. *Lobelia*s should be sown by February 1 that fine stock plants may be had. If it is proposed to reset the *Smilax* beds next year this is the time to get the seed started. *Begonia Vernon* and the other summer blooming varieties, if sown early, make fine plants by May, full of flowers. *Gloxinias* and *Tuberous begonias* can be sown at this time and blooming plants had for the coming summer. Many growers have given up the propagation of *Verbenas* from cuttings and depend upon seedlings and to have a nicely branched plant by June 1 the seed should be sown the last of January. Another useful border plant is *Pyrethrum aureum* (Golden Feverfew) and this should be sown early to get good sized plants at bedding out time. There are not many cannas these days, grown from seed, but anyone intending to grow them in that manner should sow the seeds in January. These seeds will germinate much more readily and evenly if soaked in water for 24 hours before planting. *Asparagus plumosus* and *A. Sprengeri* should be sown now when there is good heat in the greenhouses, and these seeds, like the cannas, start much more evenly if soaked.

Spireas.

The spireas are always a very useful plant at Easter, but they are classed among the cheaper plants at that time, so should be grown in such a way that they do not occupy valuable space any more than possible. They should be brought into a cool house by the middle of January and until the foliage begins to grow can be placed along the edge of the walks if room is not available, but they must

not be left standing in this location too long, for when the leaves begin to unfold they quickly draw toward the light and a plant growing to one side of the pot will be the result. So as soon as growth starts they should be placed on the bench in full light. They can be grown quite close together for some time, but when the foliage begins to touch that of the plants beside it they should be spaced out and given room enough for the plants to grow shapely. Spireas require a large quantity of water during their entire culture, especially those that are potted in as small a pot as possible, which is the general custom with all growers. To make the large specimens two or three clumps are planted in the same pot when started. These will make large plants for church decorations at Easter. If the plants are grown in a house which is to be fumigated by tobacco smoke they should either be removed from the house or well covered with papers; the foliage quickly burns when subjected to tobacco smoke and the plants are blemished.

Cyclamens.

"What can we do with the old cyclamen plants?" is a question often asked by many growers. As a rule the answer is, "Throw them away," for a plant can be grown to a 6-inch or 7-inch pot size in 16 months. That is, seed sown in September will produce such a plant for Christmas the following year, and it is uncertain how the old plants will carry through the spring and summer. There is a limited demand for cyclamen plants in larger sizes than 7-inch pots and they must of necessity bring a good figure to make them remunerative. After they are through blooming the best way to handle them is to shake the old soil out and pot them up in fresh soil, two parts loam, one part well rotted manure and one part leaf mould, with a good sprinkling of sharp sand. If the soil is inclined to be heavy and sticky add more sand. They can frequently be potted in a pot a size smaller than that in which

they have been growing. Place them in a cool temperature, that is, in a house from 45° to 50° at night, so as to encourage root action and slow growth. It used to be the custom to dry the bulbs off so that they lost all their foliage, and start them in the spring, but growers have found that our springs and summers are too hot and dry and it is often difficult to make the bulb, after it has been dried off, break a good luxuriant foliage, and it is far better to keep the plant growing all the time. As the warm, sunny days of spring come in, the plants should be slightly shaded and as early as possible placed in cold frames and the glass shaded. The shade should not be made too heavy or the leaves will become drawn and an unshapely plant be the result. After the plants have begun to grow care should be taken that they do not become pot bound, but shifted into large sizes as soon as necessary. The watering of this stock will require constant study and attention. They should never become too dry and it is very easy to over-water, so they will require looking after very closely until a good growth has been encouraged.

Begonia Gloire de Lorraine.

For the large plants for next winter's flowering we are placing the cuttings in the propagating bench now. The plants were selected before Christmas and strong, healthy specimens taken for propagation. The flowers were removed and the plants given a warm location that the best vigor might be maintained. Any leaf showing bluish is discarded, only clean, healthy leaves being used from which to raise the young stock. A warm propagating bed is chosen for these plants and the stems are inserted in the sand deep enough so that about half an inch of the leaf is below the surface. They are kept moist and warm until they are rooted, when they are potted in 2½-inch pots and placed in a warm house and shifted along as required. This may seem a trifle early by many growers to start the propagating of these plants, but there is always demand for some large specimens and fine leaves are obtainable at this time and they root easily during January and February when the propagating bench is warm. The plants will require considerable care and attention during the heated spell of July and August, but with plenty of ventilation and a light shade, they are easily kept moving and make fine plants for the holidays.

MISSOULA, MONT.—The enormous increase of about 100 per cent is reported for this season's Christmas trade by the R. & S. Flower Store. Prices were the same as in 1911 except for carnations, which were 50 per cent higher. The supply of both these flowers and violets was insufficient. The bulbous flower trade was brisk and the supply adequate. The quality of stock compared favorably with that of a year ago. The call for poinsettias was not so great. Ruscus was in great demand. There was a very large increase in the demand for flowering plants. Lillium giganteums sold well. A cut in price by one of the stores caused some dissatisfaction among patrons of those places which refused to make a reduction, but everybody sold out.

THE RETAIL TRADE

Conducted by Robt. Kift, Philadelphia, Pa.

Fine Wedding Decorations

The accompanying illustration is from a photograph taken at the residence of Patrick Calhoun, Cleveland, O., October 12, the occasion being the wedding of Mr. Calhoun's daughter. The decorations were arranged by the J. M. Gasser Co., which has a nationwide reputation for fine work. On the same day this company executed another beautiful decoration for the wedding of a daughter of Dr. J. C. Wood, Cleveland.

The Spirit of the Times.

Paper read by Charles Henry Fox before the Philadelphia Florists' Club January 7, 1913.



Mr. President and fellow members of the Florists' Club: I feel highly honored in being asked to address you this evening. I don't know what you expect to hear, boys, but no doubt some of you have your hammers with you, while some of you may feel like the colored man in the story as related by "Hope Miller." "Said he: 'My father has been in the habit for years of buying his Christmas turkey of a colored gentleman in the neighborhood commonly known as 'Henry.' This year he took particular pains to instruct him as to what he wanted. He said, 'Henry, be sure to get me a nice tame turkey, a tame one, mind you; none of those game birds for me.' 'All right, sah, I'll sure do dat, I'll get you a tame one for suah,' the negro said.

"Christmas came, the turkey was served and all went well until father suddenly bit down on something hard. 'It's shot I tell you—that nigger has shot this turkey in spite of what I told him.'

"The next day when Henry turned up father was ready for him. 'See here, Henry, I thought I was to have a tame turkey.'

"You sure had, boss, dat sure was a tame turkey.'

"Nonsense, Henry, I bit down on the shot myself that I found in the wing.'

"Well, why why, marsa, dat sure was a tame turkey, but to tell you de truth dat shot wasn't meant for the turkey—dat shot was intended for me.'

So, if any of you fellows here bite on the shot just remember that it was intended for the other fellow.

About ten days ago I blew into the catacombs of Ransstead street and as I entered the white-haired laird emerged from the frost covered cave and greeted me with these words: "You're just the man I want to see. I've got you down for the first Tuesday in January."

I was wondering what was coming off. I thought perhaps it was a dinner at the new Ritz or a spread at the Bellevue. Instead he poked fun at me, wanted to know if I had seen any more red lights flashed up Broad street. Instantly I recalled my talk with you at this club on the follies of 1900. I told him I hadn't anything to talk about. 'Business is good, everybody had a good Christmas and is happy as far as I know, what will I talk about?'

"Now, look here," said he, "there's no getting out of it, we want to hear more about the red lights." So, gentlemen, I am here tonight in response to the call of the laird, not to talk of any more follies but to give you the hand of fellowship, to start a new thought—"the zeitgeist"—"the spirit of the times," the "get together spirit." This will be our subject tonight.

We are a fraternity, and a fraternity is strong only when they pull together. This is something the florists have never done. We want co-operation—sympathy with one another. We want to plan our business interests together. We want to study the needs of the commission man, the needs of the retailer, and especially we want to study what interests the public.

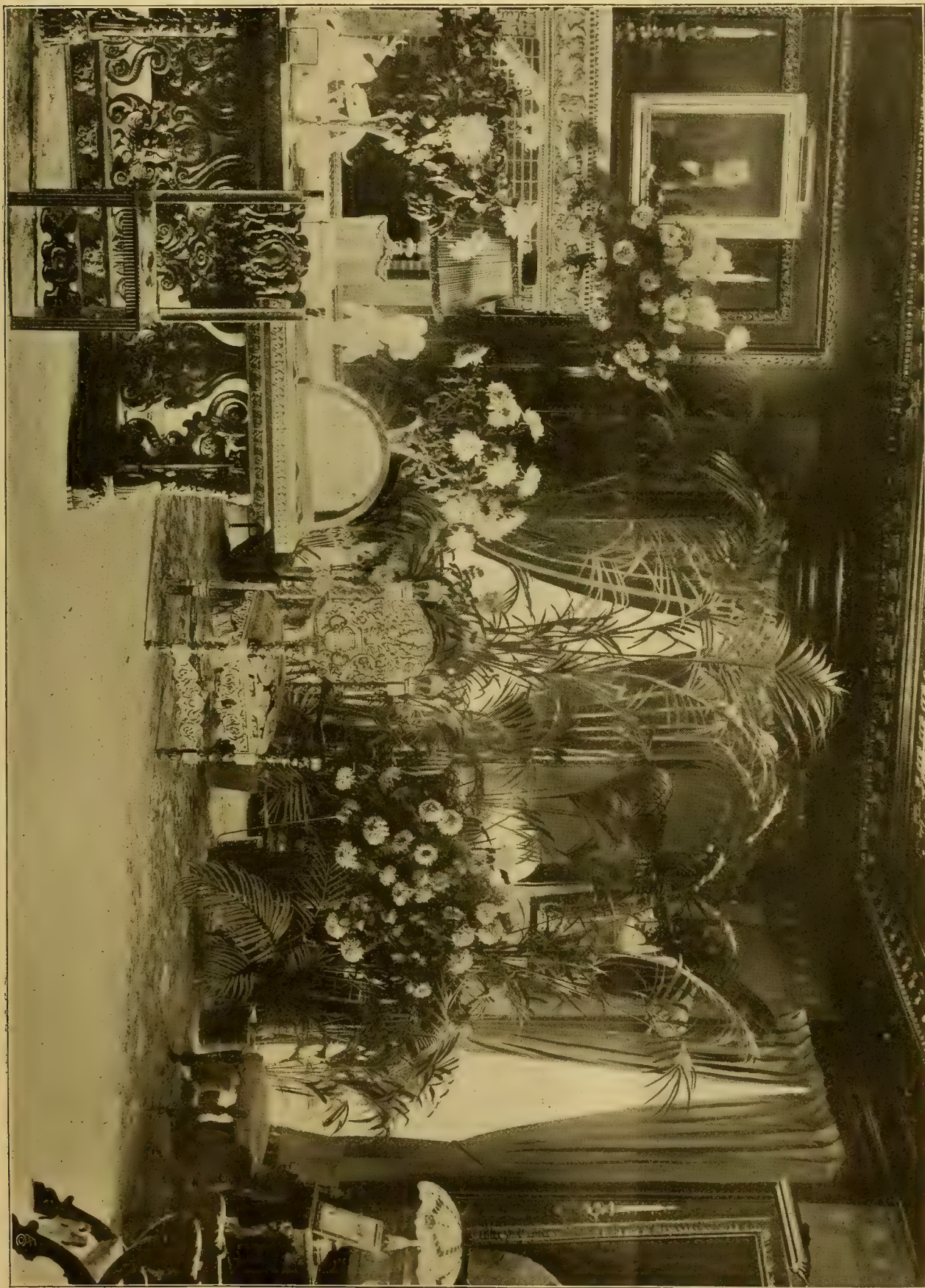
The pathway to success lies in serving the public, not in affronting it, and this can only be done when the grower, the commission man and the retailer work hand in hand.

Now, would it not be beneficial for the grower to visit the retailer, to come in direct contact with him, to get better acquainted; not look upon him as an outsider just because he does not deal directly with him? We could tell him and demonstrate why carnations were "tabooed." At the same time we could show him how carnations would be in demand if they were grown and packed as they should be. We could also give him a line on many little things that we could use at a profit to him, if he would grow them for us in the style that the public demands. To my mind, such an exquisite, delicate and perishable product as flowers should be handled with the utmost care and dispatch.

If we could adopt a plan whereby we could give an order for a certain amount of stock, have it packed by the grower and shipped direct (without any delay or handling) to the retailer, it would eliminate an immense amount of loss and waste. Through this close association between the grower and the retailer a more perfect understanding would naturally be the outcome, and a great many irregularities might be corrected, for he would then realize how much better and how much more advantageous it would be for him to make his regular shipments daily right up to Christmas, selling them at a good price instead of holding them up, and in the end not getting as much as he would have in the first place.

Every year I hear the commission man say: "I told them. I told them. I told them to ship the goods at such and such a date." But will they do it? No. As a consequence the commission man is up in the air. He doesn't know what to promise the retailer. He hasn't the vaguest idea as to how much he will have or what prices to quote. The retailer is likewise "up in the air." He doesn't know what he will have to pay for the stock, nor how much he can expect to get.

Now, gentlemen, who suffers by this? To safeguard himself at Christmas the store man sidetracks cut flowers, stocks up his place with desirable and saleable blooming plants, something he knows the price of. This is something he is really forced to do, very much against his will, for cut flowers are very much easier to handle than plants. Now, then, the last few days before Christmas, when it is too late to swing around to cut flowers, the retailer finds that he could have bought cut flowers from



HOME WEDDING DECORATION BY THE J. M. GASSER CO., CLEVELAND, O.

30 to 50 per cent cheaper than he thought he could when he quoted retail prices to his customers. There is no doubt about it, this curtails many a sale for cut flowers.

Now for the commission man. He has come to stay—a very necessary factor for the economic development and distribution of our product. It is he who has enabled us to have the choice of stock grown in the surrounding country, and I believe I am safe in saying that there is no other city where the service is as good as that given by the Philadelphia commission houses. Through them we are able to replenish our stock with fresh goods from hour to hour. Through them we are able to buy the cream of the stock of a number of growers, as well as the cheaper grades if we want them. Right here I might add: We, as retailers, can greatly facilitate and conserve this service by thinking of all we want to order before we hang up the receiver, rather than ordering in sections, thus keeping the delivery boy on the run when one delivery might answer the purpose.

Now, while we are getting* this excellent service it is necessary for us to keep up the proper balance. By that I mean to support and encourage the growers who sell their goods direct. This always has a wholesome effect on the commission man and makes him behave. We do not want any flower trust. We do want co-operation. In my previous remarks I spoke of direct shipment from the grower to the retailer. Do not misunderstand me, I do not recommend for one minute the elimination of the commission man, nor do I want to belittle his very necessary service. I simply want to make a plea for a change in the shipment, that the order shall go through the hands of the commission man as of old but the shipment be direct, thus eliminating the second handling.

Let me say right here, the reason this has never been encouraged by the commission man has been because he has always seemed so envious of his consignor. There always seemed to be much secrecy as to where the goods came from. He would never think of telling you, and after all, why should there be any secrecy about it? The retailer certainly does not want the consignor. He could not handle all of his product at any rate, and it is not reasonable to suppose that the grower, as long as he is treated right, will go back on the commission man who handles his goods. This is just another little suggestion in the "get together plan"—the "zeitgeist"—the "spirit of the times."

Another clause that might be inserted in this grand fraternity, and one which our friends the commission men might well consider, would be the living up to their advertisements, to be wholesale men in every sense of the word; not to sell flowers to any person or corporation that is not a florist. I, of course, am not alluding to the fakers. They are one of the necessary evils, but I do insist that it is absolutely wrong to take orders for funerals, etc.; to deliver flowers to hotels, restaurants, clubs and colleges, when these orders might be turned into the retail channels.

It is nothing new for a hotel man to ask me to quote prices on a little bunch of stock, and after I have given

him the price have him turn to me and say: "Why, I can beat you all hollow; I can buy these things as cheap as you can. I can buy them over at So & So's," mentioning the name of the wholesaler. This is certainly an exasperating and an embarrassing position for the retailer, and such conditions should not exist.

What does it profit the wholesaler? These people want the goods and they would buy them of us at a retail profit and we, in turn, would be giving the wholesaler the price asked. Although every establishment has the sign conspicuously displayed, "Wholesale Only," I



Dracaena Sanderiana.

See "Florists' Dracenas" in the Issue of January 4, Page 1380.

am told by a wholesaler himself that every commission man in the city does the same thing. This is one of the reasons that the statement is true that is made by so many florists, that, "Our business is different." We certainly are different from any other line of business that I know of.

I have a friend, the president of a very large concern. He is a member of the same Masonic fraternity that I am, a fellow member in several clubs, and I eat lunch with him every day. I buy about \$100 worth of ribbon from him a year, and with all that he would not sell me a pair of suspenders or a dozen handkerchiefs, because I am not a dealer in that line. That is what I call the true fraternal spirit—the setting up of such a standard that the public must respect you as a true business people. There's no doubt in my mind that once the "get together plan" gets in action it will only be a very short time when all these abuses will be done away with. All we want to do is to understand each other better. We are all friends and we are each one of us dependent on the other. I have no enemies. If I have, I do not recognize them as such. They are only my friends who do not understand me.

Now, as to the retailer. He is on the firing line. It is he who is directly or indirectly responsible for public opinion on the flower trade. The "zeitgeist"—the spirit of the times—calls for a "square deal"—efficiency, organization, loyalty. First of all, have your goods marked in plain figures, and marked by the buyer, so that every

customer gets a square deal. Do not sell them for what you think the customer will stand for.

To the backwoods, gone forever, are the second story or catspaw methods of yesterday, where the salesman quotes prices in a subdued tone for fear the customer at his elbow is being offered the same goods a dollar or so cheaper than he is selling them, or where the salesman has his particular favorites to whom he sells at greatly reduced prices, while another customer buys the same goods at a much higher price. For instance, just a little experience of my own in buying sealing wax. We use a lot of it on our boxes, and naturally buy it in bulk. The first price quoted was 35 cents a pound. When our second order was placed with another salesman in the same firm we got it for 25 cents. Noting this difference in the price, we began to look about, for every quotation was different. At the present time we purchase the same way at 7 cents per pound. We are wondering whether this is real value, or whether we have farther to go to reach better.

Our next consideration is efficiency, which means living up to a 100 point standard. For instance, the 100 point man needs no supervision. His work is always finished. His customers are always pleased. There is no comeback. The difference between a \$5.00 a day man and a \$2.00 a day man is that the latter requires \$3.00 worth of supervision, for which he has to pay. Responsibility gravitates to the man who can shoulder it.

Under the head of organization let us look at business as a composite whole. Without composite salesmanship your business cannot be a success. The errand boy is just as important as the salesman, and the salesman is of little use if the bookkeeper does not keep track of the sales.

Right here, while it is fresh in my mind, I want to illustrate how this law of composite salesmanship works out. It was Christmas day. All our work was finished. The orders had all been sent out. We were ready for any customers that might come along. About 10 o'clock there came a lull. The phone bell rang. Our chauffeur was on the wire. "Our car is broken down in Overbrook with thirty packages yet to deliver," he said. We immediately dispatched five men and boys to get out the packages. Each one was given six packages to deliver. At Christmas we have to engage extra help. Two of these boys were extras. One of them delivered one package and then, tired of tramping around through the snow, came back with the rest. Our store, all work being finished, closed at 2 o'clock. The boy finding it closed, left his packages in care of the taxicab man next door and skipped.

A little later on one of our regular boys—one of the composite whole—arrived and discovered the packages that had been left. "Great Scott! this will never do," he said. He hired a taxicab, delivered the goods, saved the customers from being disappointed, and turned in the bill to the house. This boy is a 100 pointer. We need more of them. Educate them. Elevate them. Make them proud of the flower business. We do not want any kickers among us. Either get in line or get out.

We have long felt the necessity for just such loyal, efficient, earnest people in the flower business, people who are interested in their work. To this end

we established some four years ago a school of floral art. Each year we take several students who pay us a nominal sum for tuition and practical training in the flower business as we know it. There is a vast difference between being taught the whys and wherefores and the ordinary way of getting a job and learning it in the hit-or-miss

spend for flowers feels assured that he is just as welcome as the man who drives up in a taxicab with \$25.00 to spend, a wonderful increase will be seen in the sale of flowers. When we can drive it home to the hard-headed business man that it is the right thing for him to do to remember birthdays and other anniversaries with the

windows with cradles of all sizes, filled with flowers from \$1.00 to \$10.00 and in two weeks we sold over fifty of them. Now remember this was all done by suggestion. None of these people would ever have thought of the new arrival had they not seen the cradles in the window, and everybody does not walk down Broad street either.

Let every one of the craft put his shoulder to the wheel and we will sell 500 cradles instead of fifty. This illustrates very clearly what can be done to increase the sale of flowers and without any bargain business either. People will pay you a fair price for anything that is gotten up in an attractive, unique way, but one or two men cannot bring about this favorable impression—we must have concerted action. We must work hand in hand and spend money on general publicity to make flowers popular for all occasions.

Here, gentlemen, is one of the cardinal points of the "zeitgeist"—the get together spirit. One has to eliminate all selfishness; not as one of our esteemed writers for a trade journal said to me when talking over this plan: "What good will it be to the grower?" This fellow had the lead pencil too close to his nose to see the point. Doesn't it follow that if the retailer sells more flowers that the commission man's bills will be higher and the grower will get better returns? He would then naturally have more money to put into trade journal advertising.

Every now and again you see editorials in the newspapers and magazines: "This year little French bouquets of artificial flowers will be the vogue for street wear." While they are very effective and nice looking, nevertheless they are artificial flowers and interfere with the sale of cut flowers. They eliminate one of our most profitable lines—the corsage bunch.

What have we as florists done to counteract this whim of the public, this whim of the modiste? Nothing. We simply sit by and let them wear artificial flowers while we keep the fresh ones. This is where the advertising



INTERIOR OF F. J. OLSAN'S STORE, AMES, IA.

fashion. We have turned out in one season men who have been able to do better work than those who have spent five years in a flower shop under the "catch as catch can" method.

I want to be in a position, gentlemen, in another year or so to be able to supply to you, if you are in need, a good, faithful, loyal man who will work with his head as well as his hands; who will not work by the clock and leave as it strikes; who does not work for wages alone but lets the wages gravitate to him. I want to be in a position to recommend just such a man. Many have said to me: "Aren't you foolish in this sort of thing? Can you afford to give away your ideas? They simply have missed the "zeitgeist"—the spirit of the times—for after all we only get by giving.

The retailer should make an effort to feature the use of flowers for every occasion by having his windows appropriately decorated for Halloween, Thanksgiving, Christmas, New Year's, Lincoln's birthday, St. Valentine's day, Washington's birthday, St. Patrick's day, Easter, Memorial day, bon voyage. All of which offer excellent opportunities for window display advertising. Your windows are the mirrors of your business.

I myself am very much in favor of a plan of publicity, an organized publicity bureau, including the growers, the commission man, the retailer and the trade journals. Let each subscribe a specific amount per year to feature the use of flowers for the various occasions. Give out the idea broadcast that the use of it is not a millionaire's luxury, that we have something to sell that everyone should use, and just as necessary to our happiness in civilized life as the more staple articles of merchandise. Once we can start this favorable impression, when the man with \$1.00 to

gift of flowers; that married as well as single men should remember St. Valentine's day and send their wives a box of flowers; that it will please the whole family and not make any of them sick either if a box of flowers is taken home once or twice a week instead of candy.

On the occasion of the new arrival all relatives and friends should send flowers, but the public must be educated up to that point. To show how these suggestions work, we filled our



A FINE SPECIMEN CYCLAMEN.

bureau will come in strong. Get a good first-class advertising man, have him meet with us at the regular meetings, talk over our different plans with him, open up our business secrets to him, then let him write good copy favorable to the use of flowers. In many cases this can be inserted in the newspapers for nothing, classed as a story. In fact, the newspapers are glad to get just such copy and the way it is written has all to do with it. Do this for a year or so and you will find a wonderful change in the public mind in regard to flowers.

Women will wear anything that is stylish. If it was out of date for a woman to wear artificial flowers, you would not find one who would have nerve enough to wear them. So you see it is in our power. All we want to do is to get together; not in a half-hearted way, one afraid of the other getting a little advantage, but go for it strong and we will sell the stock, and the grower, the commission man and the trade journal will benefit by it.

About three weeks before the holidays four newspaper representatives called on me for news on Christmas flowers and their prices. I told every one this was going to be a flower year. Flowers were never so good or so plentiful as this year and they would be very cheap—very little above the popular price. Every one was amazed, for the first question they greeted me with was: "Flowers will be very high, won't they?" It was the same with the customers in the store. I instructed every salesman not to dare mention the words "expensive" or "scarce" in regard to Christmas flowers.

Did all this leave a favorable impression? Of course it did. It was positive instead of negative. It helped the public to decide in favor of flowers. Every florist, as far as I know, had a good Christmas. We had the best one we ever had—more than we could handle—and we did not sell without profit either. This, gentlemen, is, I think, the proper spirit. This is what we should do to bring the public mind with us, instead of diverting it by scaring them into other channels.

In closing, let me say once more, what we want to do is to come to a more perfect understanding; get more closely associated; study each other's needs and boost the flower business for all it's worth. Remember that no one can harm you but yourself. For every idea you give away you get a four-fold

return. To try to hold everything to yourself is to lose it and narrow down your personality besides.

The day when one man thought he was "it" and could control certain stock has passed and passed for good. The "zeitgeist"—the spirit of the times—is against special privilege. Its plea is for co-operation, loyalty, sympathy, and when we have mastered these we will find ourselves on the high road toward the "zeitgeist."

Evergreen Window Boxes.

This is a good time to make some observations in regard to the filling of window boxes. Not only can we now judge of the artistic qualities of the work, but we can see also how the material used stands the winter. I note that many boxes are already failing. Some are full of withering plants; some are getting naked from the falling leaves, and have a sort of a been-out-all-night appearance. Where suitable plants have been used and planted at the proper time, this should not occur. There is no reason why the boxes should not go through the entire winter in fair shape.

Probably the reason for a large proportion of this unsatisfactory condition is due to the fact that the boxes were made up too late in the season. Unless the filling is done early, so that the plants can become established before freezing weather sets in, they will not carry. One might about as well cut the plants down, sharpen the ends of the stems and stick them into the sod and expect them to do well, as to wait until freezing time comes, and plant with the roots on. Unless planted early so that the root action can begin and the plants get established in the soil they are sure to suffer. August or early September is not too soon to plant, if evergreens are to be used. After planting, the boxes should be set in a sheltered place and carefully watered and sprayed until the foliage becomes plump and firm.

I have never seen a satisfactory result accomplished by crowding a lot of one-sided poorly developed conifers into a box to give it fullness and form. Eventually the plants shrink and get displaced, and a ragged untidy box is the result. Better use good well formed plants and not so many of them. Today I saw a lot of boxes about six feet long by eight inches wide and eight inches deep, containing from ten to fourteen small

pinus and spruces, all of them inferior. They may have looked fairly well when first filled, but now (January 8) they have shriveled and separated and look extremely ragged. Six shapely, well selected plants would have filled the bill and would have retained their shape all winter. The fourteen plants used probably cost about \$1.25. Seven selected plants of about the same height and twice as thick would probably cost \$1.10, a gain of fifteen cents in cost and one hundred per cent in appearance. There is good money in this business and the florist should see to it that it is not killed by poor work.

Young conifers of many kinds are available for this work, giving quite a wide range of color and form. Pines, spruces, junipers, retinisporas, thuyas, and yews in many species and varieties are suitable. In broad leaved evergreens, box, euonymus, teucium, daphne, leucothoe, kalmia, mahonia and others lend themselves kindly to this form of decoration. Sometimes one sees small plants with colored bark and deciduous shrubs with red fruit used in these boxes with excellent effect.

C.

W. J. Pilcher's New Greenhouses.

The accompanying illustration is of three greenhouses which have been recently erected by W. J. Pilcher, Kirkwood, Mo. The material for this compact range was furnished by the Foley Manufacturing Co., of Chicago, and the illustration plainly shows what nice looking and light greenhouses can be built with the modern construction adopted by the large commercial building concerns.

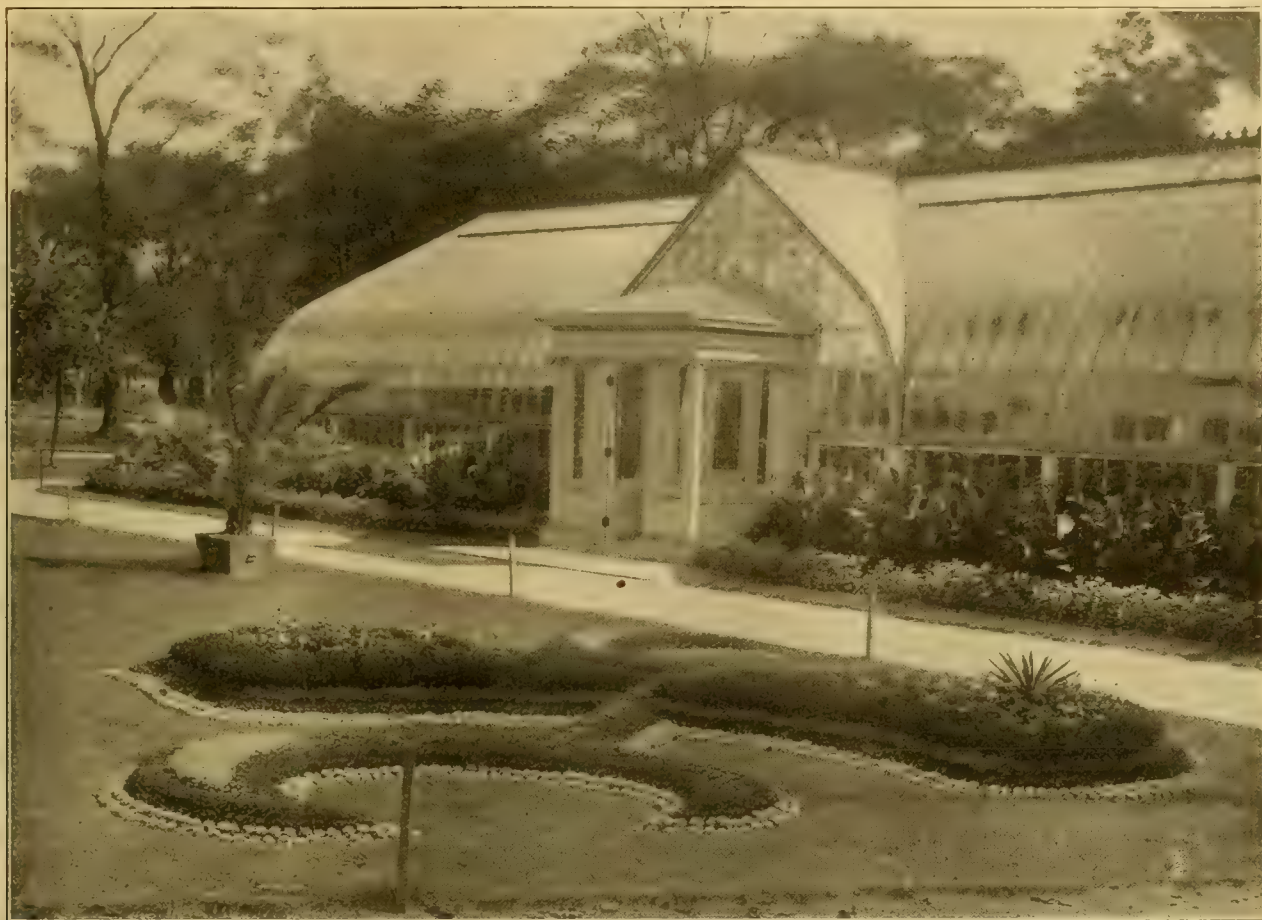
WEBSTER CITY, IA.—The Curtis Floral Co. will start the erection of two new greenhouses and an office building as soon as weather conditions permit.

BATTLE CREEK, MICH.—The Aldrich-McFee flower store is being moved to the Post Tavern. Hereafter it will be known as the Post Tavern Flower Parlor.

FREEMONT, L. I.—A fire, apparently of incendiary origin, crosses marked on his front door and a "prayer chain" letter which carried a veiled threat, have led Charles Lenker, one of this city's well-known florists, to believe that a black hand agency has marked him for its victim.



W. J. PILCHER'S NEW GREENHOUSES AT KIRKWOOD, MO., OF FOLEY CONSTRUCTION.



VIEW OF ONE OF THE FLOWER BEDS AND A PART OF THE GREENHOUSES, HUMBOLDT PARK, BUFFALO, N. Y.

Buffalo Parks.

Superintendent of Parks Henry Elbers of Buffalo, N. Y., has made great improvements in the past two years. The greenhouses have been newly constructed and what was formerly known as the Parade House is now one of the finest of Buffalo's parks. Visitors by the thousands are there each Sunday and take great pleasure in viewing the numerous flower beds that he has so artistically arranged.

BISON.

Marguerites in Benches.

ED. AMERICAN FLORIST:

Will you kindly tell me if marguerites can be grown in benches as successfully as in pots? If not, are 7-inch pots large enough and when is the proper time to take cuttings for winter blooming?

SUBSCRIBER.

New Jersey.

The proper time to take cuttings of marguerites for winter blooming is in April or May. These should be handled just the same as chrysanthemums. They can be grown on till they are large enough to fill in pots by November and will, if they have been properly pinched, produce large crops of flowers during winter. By planting in the field in May and potting in September they will do equally well. Many growers favor planting on benches or in boxes, claiming a crop of larger blooms and longer stems through the season, but by judicious feeding excellent flowers and good stems can be produced by pot culture.

C.

THE CARNATION.

Propagating.

A very important part of the work of the grower in charge of the carnations is that of propagating, and now is the best time of any to attend to it. Cuttings put into the propagating beds now will be ready for taking out early in February. Plants grown from the cuttings rooted at this period, if given the proper attention from the start, will give the best results for a long flowering season. The selection of the cuttings is of the greatest importance and only those that are perfect in health and vigor should be used. It is poor policy to take cuttings from plants showing traces of stigmamose, bacteria or any other condition but that of perfect health, and expect them to grow out of it. The disease is more likely to develop steadily along with the growth of the plant.

There is good and poor material for cuttings on every plant. The wood that is in the heart of the plant and shaded from the light is inclined to be soft and spindling and is not nearly so good as that on the outside that has had the full benefit of exposure to the light and air. Avoid using the cuttings from plants that have developed streaky flowers and select only from plants which have blooms that are pure in tone of color and true to type. Watch closely the cuttings from the time they are taken from the plants until they are potted from the propagating bed. They should not be al-

lowed to wilt at any time, neither should they be treated to an overabundance of moisture to cause dampness and rot. Maintain a cool, even temperature with ventilation at every favorable opportunity, making sure at all times to guard against draughts.

The cuttings should be potted as soon as rooted in a fresh, live soil, but not a rich soil, and should be given plenty of light and grown cool from the outset. It is very important that the young plants be given the closest attention to their needs after being potted. They are better for being held a little to the dry side at the roots and watered only as they require it. Light and fresh air are also important items for their well being and look well to the work of keeping the insects in check. As the young plants extend their growth it will be necessary to syringe them occasionally to keep down the red spider.

The flowering plants are now at the height of their season, full of buds and flowers, and the general routine in caring for them must be followed up closely right along. Pay particular attention to the cutting. See that it is done on time and that there is proper accommodations for the flowers after they are cut. It would appear to be hardly necessary to write here that directly after being cut the flowers should be put in fresh water and placed in a cool place. Also it is necessary when they are to be shipped or marketed that they be held in water a few hours before sending them out.

The weather is colder, the plants are large and the soil full of roots, con-

sequently more firing has to be done and the soil dries out more quickly than a short while ago, so that a sharp lookout has to be kept up in regard to the watering and some parts of the beds need to be looked after almost every other day. The temperature should be kept as even to the mark as is possible. There is nothing more detrimental to the plants' well being than variations of temperature.

C. W. JOHNSON.

FLORISTS' FERNS.

The Rest Period.

This is the quiet season for most of the ferns. This is because the majority take a more or less marked period of rest. In some instances this rest period is accompanied by the loss of all the foliage, while among the ever-green species it is marked by a cessation of growth for two or three months and a smaller consumption of water.

This does not mean that they will do without water for that length of time, but that watering will not be required so frequently, for ferns require moisture at all times at the root. And during this midwinter dormant period there is but little gained by repotting or shifting, or making up into pans for future sales, unless it be some stock that is very badly in need of a shift, there being the possibility of getting the soil soured by overwatering such freshly potted stock.

But the removal of the Christmas stock will doubtless give space in the houses for the setting over and spacing out of the ferns, an operation that will be especially helpful to the young *nephrolepis* that are being prepared for the spring trade. These very useful ferns are now sold at such low prices that the only way to get a fair return from the space is by preparing a succession of crops, keeping a lot of young plants on hand all the time in order to fill up as space may be found.

If one has bench room for the purpose it pays to raise one's own stock by planting out a quantity of plants for that purpose only, but many growers find it troublesome to reserve space for stock ferns, and those so situated prefer to depend upon getting young stock in thumb pots from some of the specialists who raise these plants by the thousand. Generally speaking, the plain-leaved forms of *nephrolepis exaltata* are the most satisfactory for the average florist to handle, for, while the many cut-leaved and crested varieties derived from this species are all interesting, and many of them very beautiful, yet they do not give the best results to the ultimate consumer, who buys a fern for his window or his table.

The original Boston fern, or its dwarf progeny, such as *N. Scotti*, *N. Giatrasi*, or the wavy-leaved variety that originated with the late W. K. Harris—each of these has its good points, and all are well worth growing. If any of the early crop of these ferns is left behind after the holiday trade is over there is a promising opening for the larger sizes when the season for porch plants and window boxes opens, for thousands of such plants are needed every spring to supply this demand.

During the past season or two the trade in pans of ferns for house decoration has increased greatly, the ferns

most used for such purpose being several varieties of the *Pterises*, for example *P. cretica major*, *P. Wimsetti*, and *P. Wilsoni*. Four or five plants are placed in a 7 or 8 inch pan, grown on until the plant assumes a salable shape and size, and then sold as a single specimen to those who wish a change from the *nephrolepis*. Such plants when well grown are very attractive, do not cost very much to produce, and will bring a fair price in the retail market. The *cyrtomiums* may also be grown in this fashion, and give a pleasing variety to the stock.

Those who raise their own stock of ferns from spores will now be thinking of sowing and thus preparing for the coming season, the month of January being a good time for sowing this sometimes troublesome but always interesting crop. The details of sowing the spores have been so often referred to that it is only for the benefit of the beginner that we return to that point once more, and very briefly. Clean seed pots, plenty of drainage, the soil fine and pressed down firmly in the pots, then well watered with a fine rose on the watering can, all are important. Allow the pots to drain for a couple of hours, or longer, then they will be ready for a very thin sowing of the spores on the surface of the soil.

The seed pots are then placed in a propagating frame or covered with panes of glass, protected from sun and wind, and if properly cared for should not require watering again until after the spores have germinated, the period required for this process varying with the different species from one week to a month or more. The temperature for the seed pots should average about 60 degrees, and while they do not require much ventilation, yet much care is needed to avoid fungoid troubles.

Then there is the pricking off of the sporelings, and ultimately the potting of the young plants, in all quite a lot of work before the plants are worth \$40.00 per thousand, and frequently less. It is interesting, though somewhat tedious, and for the latter cause we find that many of the plant dealers permit the fern specialists to do all this preliminary work and then buy the young plants from them after they are pricked out in flats.

W. H. TAPLIN.

Nephrolepis Muscosa.

Really we have lost count of the many sports of *Nephrolepis exaltata* but we feel sure that *Nephrolepis muscosa* has thus far escaped mention. It is reported to be a sport from *N. exaltata* f. *superbissima* but should probably be named *N. exaltata* f. *muscosa*. Still another form has been named *veridissima* in allusion to its dark green color. Incidentally the name itself, according to the Fern Bulletin, more than alludes to the ignorance of the namer in regard to the Latin word for green. *Nephrodium Giatrasi* is another sport hitherto uncatalogued. The inordinate multiplication of forms in this one species must already make British form makers tremble for their laurels. What is a mere three hundred forms of *Scolopendrium* or five hundred of the lady fern, to what we can produce if we try. *Exaltata* is a fine specific name; just the thing to exalt this side of fern growing. All we need is time.

National Association of Gardeners.

The executive board of the National Association of Gardeners held its first meeting for the year on Wednesday afternoon, January 8, at the Murray Hill Hotel, New York city. President William H. Waite was in the chair. After disposing of the routine business before the meeting the subject of the association maintaining a department, along the lines of foreign horticultural societies, to which members of the profession may look for opportunity for advancement, was brought up for discussion, and resulted in the secretary being empowered to take the necessary steps to bring about the establishment of such a department.

On motion made by former President Logan it was also decided that the association award a medal for any new meritorious varieties of flowers, plants, vegetables or fruits originated by a gardener member of the association and that the president annually appoint a committee of judges for that purpose. Mr. White appointed William Kleinheinz, of Pennsylvania; Peter Duff, of New Jersey, and James Stuart, of New York, to serve as a committee for 1913.

An appropriation was voted for the purpose of holding a national gardeners and florists' bowling tournament in New York during the week of the International Flower Show, to which members of the Society of American Florists are to be invited. The event will be held at Thumm's Alleys, on Broadway, famous for many big bowling events, and the association will offer two cups—one for the team and one for the individual making the highest score at the tournament. The tournament will be open to teams of three men, members of any local florists' or gardeners' club which they represent, and members either of the N. A. G. or S. A. F. The individual tournament will be open to members of the N. A. G. and S. A. F. The following committee was appointed to complete all arrangements. John Dodds, John W. Everett, A. Bauer, James Stuart and William Robertson, of Jenkintown, Pa. Many valuable prizes have already been contributed.

Lester E. Ortiz, superintendent of the Pratt Estate at Glen Cove, N. Y., and vice-president of the Farmers' Congress, of New York, addressed the meeting. He said that in his opinion the men who serve as superintendents on the private estates of the future will have to be informed on every branch that goes to make up a complete private establishment. He urged that the gardeners co-operate with the farmers to influence a more liberal appropriation of the millions expended annually, by the nation and states, for educational work in agriculture and horticulture. He said that sixteen or seventeen millions will be appropriated this year and that the gardeners of the nation should have a voice in the recommendations for distributing this vast sum. A meeting of the Farmers' Congress will shortly be held in New York. Mr. Ortiz invited his fellow members and all gardeners to attend.

The directors decided to hold their next meeting in New York during the International Flower Show, to which meeting an invitation will be extended to all members of the association. The officers and executive members of the

association as at present constituted are: William H. Waite, Yonkers, N. Y., president; A. J. Smith, Lake Geneva, N. Y., vice-president; Martin C. Ebel, Madison, N. J., secretary; James Stuart, Mamaroneck, N. Y., treasurer. Trustees for 1913: Peter Duff, Orange, N. J.; William Kleinheinz, Ogontz, Pa.; William Duckham, Madison, N. J.; Alexander MacKenzie, Glen Cove, N. Y.; John Dodds, Wyncote, Pa.

The following are the directors: To serve until 1914: Robert Angus, Tarrytown, N. Y.; Robert Bottomley, New Canaan, Conn.; Carl Schaeffer, Tuxedo Park, N. Y.; E. Wetterlow, West Manchester, Mass.; T. J. Kempton, Baychester, N. Y.; E. Trethewey, Tarrytown, N. Y.; Alexander Fraser, Newport, R. I. To serve until 1915: John Shore, Harrison, N. Y.; Thomas Proctor, Lenox, Mass.; William N. Craig, North Easton, Mass.; Frank E. Witney, Fishkill, N. Y.; Robert Williamson, Greenwich, Conn.; F. Kirk, Bar Harbor, Me.; James Bell, New York, N. Y. To serve until 1916: Thomas W. Logan, Jenkintown, Pa.; John F. Huss, Hartford, Conn.; John W. Everett, Glen Cove, N. Y.; A. Bauer, Deal Beach, N. J.; John W. Jones, Pittsburgh, Pa.; Alexander McPherson, Washington, D. C.; James C. Shield, Monticello, Ill.

Reports of the various committees show that the association is in excellent condition financially and otherwise, with prospects that its growth during 1913 will even exceed the phenomenal strides it made during the last year.

Minneapolis, Minn.

The executive committee of the S. A. F. convention, to be held here in August, 1913, has held three meetings and recommends that the affairs of the convention be conducted by the Convention Association, to consist of members of the Minneapolis Florists' Club and the Minnesota State Florists' Association. The appointment of a finance committee is also recommended as follows: J. S. Mitchell, chairman; Hugh Will, R. A. Latham, C. F. Rice, O. H. Carlson, W. D. Desmond, O. J. Olson and C. E. Schaeffer. Other committees are also recommended. The raising of a fund to meet all expenses is urged.

Stephen A. Jamieson, North-Western representative of the Geo. M. Garland Co., Des Plaines, Ill., has opened an office at 826 Plymouth building.

The second annual ball of the Minneapolis Florists' Club was held January 13, at the Masonic Temple.

Nebraska Horticultural Society AND STATE FLORISTS' SOCIETY.

The forty-fourth annual meeting of the Nebraska State Horticultural Society will be held in the Lindell Hotel, Lincoln, January 21-23. The Nebraska State Florists' Society, an auxiliary organization, will hold a meeting in connection and will take part in the program.

There will be demonstrations in box packing in addition to the fruit and flower show. On the afternoon of January 21, President A. J. Brown of Geneva, will deliver an address and there will be addresses by others on horticulture and kindred subjects, followed by general discussions. An election of officers will take place January 22.

HARBOR SPRINGS, MICH.—John Hickman, a local florist, died here recently.

OBITUARY.

James B. Kidd.

James B. Kidd, well known in the seed trade, died suddenly, January 10, on a Ninth avenue elevated train at Franklin and Greenwich streets, New York. He had started from the United States appraisers' stores, where he had been employed as expert horticultural examiner about five years, to go down town to lunch when stricken with heart disease. He was 62 years of age. The body was taken to the Leonard street station, where it was identified by David S. F. Adams.

Mr. Kidd was unusually well informed in all departments of the seed, plant and bulb business. The son of a Scotch gardener, he came to this country when young and entered the employ of B. K. Bliss, then a seedsman of Barclay street, New York. From



The Late James B. Kidd.

there he went to J. M. Thorburn & Co., remaining with the latter firm several years. He went to San Francisco and was with Timothy Hopkins and the Cox Seed & Plant Co. Returning to New York, he was for a time with Wm. Elliott & Sons, leaving to take the position in the appraisers' stores. Mr. Kidd, in private life, was genial and companionable and had many friends. He is survived by a wife and daughters, who reside in San Francisco, and by a son, George, who is employed by the Edison Electric Co. of New York.

The funeral was held January 12 at 10:30 a. m. at the chapel of Stephen Merritt Burial and Cremation Co., Eighth avenue and Nineteenth street, New York. It is understood that the interment, which will take place at the convenience of the family, will be at Newark, N. J. His son and a number of former associates were present at the funeral. Mr. Kidd resided at 486 Bramhall avenue, Jersey City.

William S. Fisher.

William S. Fisher, for a number of years an employe of J. H. Small & Sons, Washington, D. C., and previously at the Botanic Gardens and at the White House, but of late years with the Washington Florists Company, died suddenly on Sunday, January 5, 1913.

Mr. Fisher was about fifty-four years old and was well known in South Washington, where his father

and mother, Capt. Marvin P. and Mrs. Mary E. Fisher, lived for a number of years. Both parents are dead. Two sisters, Misses Hattie V. and Mattie Fisher, survive. Funeral services were held at St. James P. E. Church, Eighth street between B and C streets N. E., at 9:30 a. m., Tuesday, January 7.

Samuel Reisner.

Samuel Reisner of the firm of Reisner & Schaeffer, retail florists of 1249 Lexington avenue, New York, who had taken a trip to Bermuda, was run down by a cyclist January 10, four hours after landing in Hamilton, and died the same night. At the time of the accident he did not seem badly hurt and continued going about, but soon collapsed and died of cerebral hemorrhage caused by the fall. He was about 45 years old and unmarried. His partner Phillip Reisner sailed at once for Bermuda on receipt of a cablegram telling of the sad event.

A. F. F.

Robert B. Hoon.

Robert B. Hoon died suddenly at his home in Mercer, Pa., recently after years of poor health, following a paralytic stroke. He was a well known florist and market gardener and had spent the greater part of his life in Mercer, where he was highly respected. He was an elder in the Presbyterian church. Mr. Hoon is survived by a widow, two sons and one daughter.

James W. McNary.

James W. McNary died December 31 at his home at Dayton, O., death being due to pneumonia, although he had been in poor health for a long time. He was one of the proprietors of the Dayton & Xenia Nurseries. Mr. McNary was 55 years old and had been in the nursery business for years. He leaves a widow and three children.

Patrick Ford.

Patrick Ford, who for more than thirty years had been head gardener on the estate of Mrs. Wm. E. Iselin, Davenport Neck, New Rochelle, N. Y., died at his home on the estate January 11. He was 67 years old and is survived by four daughters and five sons.

A. F. F.

Jonas F. Weber.

Jonas F. Weber of Kirkwood, Mo., formerly a nurseryman, died of heart failure, January 3. He was a brother of Henry J. Weber of Nursery, Mo., and John G. Weber of Clayton, Mo., and is survived by a widow and three sons.

Bradford J. Wakeman.

Bradford J. Wakeman, head of the nursery firm of B. J. Wakeman & Co., Chebanse, Ill., died December 21, aged 71. He was a veteran of the Civil War. His wife and five children survive.

Washington.

J. H. Small & Sons had a very elaborate table decoration this week for E. J. McLean.

Villin has left the employ of H. Pfister and gone to Providence, R. I.

Geo. H. Cooke has been kept very busy of late with some very fine dinner decorations, noteworthy being two for Secretary McVeigh.

Gude Bros. report business very good but have been short handed on account of some of the help being sick with the grip.

Visitors: J. Goudy and J. F. Michell of Philadelphia, Pa.; A. F. Faulkner, New York.

G. C. D.

THE AMERICAN FLORIST

ESTABLISHED 1885.

Subscription, United States and Mexico, \$1.00 a year; Canada \$2.00; Europe and Countries in Postal Union, \$2.50. Subscriptions accepted only from those in the trade.

When sending us change of address always send the old address at the same time.

Advertising rates on application.

From the first issue the AMERICAN FLORIST has accepted only trade advertisements.

Advertisements must reach us Tuesday (earlier if possible), as we go to press Wednesday.

We do not assume any responsibility for the opinions of our correspondents.

THE AMERICAN FLORIST,
440 S. Dearborn St., CHICAGO

THIS ISSUE 56 PAGES WITH COVER

CONTENTS.

Suggestions for plant growers.....	1481
—Seeds for present sowing.....	1481
—Spiraea.....	1481
—Cyclamens.....	1481
—Begonia Gloire de Lorraine.....	1482
The retail trade.....	1482
—Fine wedding decoration (Illus.).....	1482
—The spirit of the times.....	1482
—Evergreen window boxes.....	1486
Dracaena Sanderiana (Illus.).....	1484
Interior of E. J. Olson's store, Ames, Ia. (Illus.).....	1485
W. J. Pilcher's new greenhouses (Illus.).....	1486
The carnation.....	1487
—Propagating.....	1487
Florists' ferns.....	1488
—The rest period.....	1488
—Nephrolepis Muscosa.....	1488
National Association of Gardeners.....	1488
Nebraska Hort. Society and State Florists' Society.....	1489
Obituary.....	1489
—James B. Kidd (portrait).....	1489
—William S. Fisher.....	1489
—Samuel Reiser.....	1489
—Robert B. Hoon.....	1489
—James W. McNary.....	1489
—Patrick Ford.....	1489
—Jonas F. Weber.....	1489
—Bradford J. Wakeman.....	1489
American Gladiolus Society.....	1490
American Rose Society.....	1490
New York Federation of Floral Clubs.....	1490
Third national flower show.....	1490
Chicago.....	1492
—Peter Reinberg (Illus.).....	1492
—Chicago bowling.....	1494
—Chicago Florists' Club.....	1495
Cincinnati.....	1497
St. Louis.....	1498
Boston.....	1498
Philadelphia.....	1500
New York.....	1502
New York Florists' Club.....	1502
Philadelphia Florists' Club.....	1502
Pittsburgh.....	1503
Cleveland.....	1503
N. Y. and N. J. Plant Growers.....	1503
Market gardeners.....	1518
—Prices of indoor fruits and vegetables.....	1518
The nursery trade.....	1520
The seed trade.....	1510
—Tariff hearings.....	1510
—Seedsmen and the parcels post.....	1510
—Parcels post premium on lying.....	1510
—Bids for congressional seeds.....	1510
—California conditions.....	1510

CARNATION growers will recall that McKinley day is January 29.

THE Hill-Heller Co., Cincinnati, O., is advertising in the local daily papers that it will deliver flowers by parcels post within 300 miles of its address free of charge.

THE board of general appraisers has ruled that dried flowers, such as helichrysum and statice, not bleached or dyed, are dutiable at the rate of 25 per cent ad valorem under paragraph 263, tariff act of 1909. When bleached or dyed they are dutiable at the rate of 60 per cent ad valorem under paragraph 438 of the tariff act.

THE following weeds are unlawful in Iowa according to an act of the general assembly, although it is said the law is violated in many parts of the state because the farmers and some of the officers are unfamiliar with it: Quack grass, Canada thistle, cocklebur, wild mustard, curled dock, smooth dock, buckhorn, wild parsnip, horse nettle, velvet weed, burdock.

American Gladiolus Society.

The National Flower Show committee has set aside April 8 as Gladiolus Day. Intending exhibitors will please take note, and endeavor to make a good show of blooms on that day. Send me a postal card so that you may receive the splendid schedule of prizes which will be distributed in due time.

L. MERTON GAGE, Sec'y.
South Natick, Mass.

American Rose Society.

The president of the American Rose Society wishes to have a meeting of the Executive Committee on Thursday, Jan. 16, 1913, at 2 p. m., to consider matters of various kinds pertaining to the society and to arrange for the coming annual exhibition. The meeting is to be held at the office of Vice-President Traendley, 131 W. Twenty-eighth street, New York city.

BENJAMIN HAMMOND, Sec'y.

New York Federation of Floral Clubs.

There will be a meeting of the New York State Federation of Floral Clubs during farmers' week exercises at the New York State College of Agriculture, Cornell University, Ithaca, New York, on Wednesday, February 12, at 12 o'clock. As several matters of great importance will be presented, it is earnestly requested that all florists' associations or florists' clubs in the state be well represented.

JOHN YOUNG, Sec'y.

Third National Flower Show.

There have been so many inquiries regarding the privilege of selling cut flowers and plants at the National Flower Show, at the New Grand Central Palace, New York, April 5-12, 1913, that I have been authorized to receive bids for this important privilege, the space to be provided free. The committee reserves the right to reject any or all bids. Proposed space to be allotted is 150 square feet, and the lessee to furnish booth and necessary furnishings. Additional space may be secured at the regular rates. Bids will be opened February 15, 1913.

JOHN YOUNG, Sec'y Committee.

Browne Sells Seedling Carnation.

A carnation deal of considerable magnitude and much interest was consummated on Monday, January 13, between Thomas Browne, Greenfield, Mich., and S. S. Skidelsky, Robert Rahaley and Fred Breitmeyer, Detroit, Mich., whereby the latter trio acquired the entire ownership of Mr. Browne's seedling pink carnation. A large sum of money was necessary to induce the grower to part with the stock of this seedling that has attracted the attention of the trade for the past four years. It was shown a year ago at the Rose and Carnation Show here, receiving a certificate of merit and eliciting much favorable comment from some of the largest carnation growers in the country, several of whom visited the Browne establishment to see it growing. It is said to be a strong continuous bloomer and has no split calyx. It is a soft, glistening pink, unlike any commercial variety now grown. It has been named Philadelphia and will be disseminated the season of 1914.

S. F. S.

Plant Breeding and Evolution.

The relative values of cross-fertilization and self-pollination are discussed at length in a recent bulletin of the Agriculture Department entitled "Heterozygosis in Evolution and Plant Breeding." The bulletin says:

"The first point we will consider is the benefit arising from cross-fertilization. It must be granted from the data already presented that an increase in vigor generally results when different species or markedly different varieties are crossed. It is also perfectly obvious that many plants are naturally designed for cross-fertilization. It can hardly be argued, however, that specific crosses could have had a widespread value in the course of evolution. It must be shown, therefore, that in plants not widely different in character cross-fertilization shows an advantage over self-fertilization. * * * * * It seems logical to argue that cross-fertilization between nearly related plants is often a benefit, yet since types that are self-pollinated in nature—legumes, wheat, tobacco, etc.—are among the most vigorous of living plants, it can not be said to be indisputable."

After quoting Darwin to the effect that crosses between plants which have long been self-fertilized do not benefit the offspring the bulletin continues: "In other experiments that Darwin performed it was shown conclusively that crosses between individual flowers borne on the same plant conferred no benefit whatever on the progeny. It is evident, therefore, since plants may differ in non-visible transmissible characters, that differences in transmissible factors alone account for the benefit produced by crossing and are indispensable to its occurrence. This is clearly shown by the fact that even types naturally self-fertilized, such as the garden pea, showed a remarkable increase in vigor when entirely different strains were crossed."

The bulletin further avers that "first-generation hybrids of many economic plants give a yield sufficiently greater than pure strains to pay for their production and leave a profit. This is true only of crops where crossing is easy and where profit is made from accelerated and increased cell division or number of fruits. In general, it is not true where the selling price is greatly increased by the possession of some special quality. As Collins has remarked, value may at times accrue also from the fact that a plant breeder who has found a great increase in yield from growing the first hybrid generation of a particular cross may keep the parents a secret and maintain a justly remunerative business by selling hybridized seed or seedlings."

Arkansas Horticultural Society.

This society will hold its thirty-third annual meeting at Ft. Smith, Jan. 21-22-23, 1913. Noted speakers, good papers, bulb exhibits of boxed apples, vegetables, implements, sprayers, etc., are on the programme. Big cash premiums are offered on Arkansas products. This is a fine chance to get acquainted with Arkansas. Bert Johnson, the Arkansas "Peach King," is president of the society and Ernest Walker, secretary.

Meetings Next Week.

Boston, Mass., January 21.—Gardeners and Florists' Club of Boston, Horticultural hall.
Detroit, Mich., January 20, 8 p. m.—Detroit Florists' Club, 247 Randolph street.
Grand Rapids, Mich., January 20.—Grand Rapids Florists and Gardeners' Club, office of member.
Hartford, Conn., January 24, 8 p. m.—Connecticut Horticultural Society, County building.
Montreal, Que., January 20, 7:45 p. m.—Montreal Gardeners and Florists' Club, Royal Guardians building, 224 Sherbrooke street, west.
Providence, R. I., January 20, 8 p. m.—Florists and Gardeners' Club of Rhode Island, 96 Westminster street.
Salt Lake City, Utah, January 21.—Salt Lake Florists' Club, Huddart Floral Co., 64 Main street.
Seattle, Wash., January 21.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street.
Toledo, O., January 22.—Toledo Florists' Club.
Toronto, Ont., January 21, 8 p. m.—Toronto Gardeners and Florists' Association, St. George's hall, Elm street.

Wants, For Sale, Etc**One Cent Per Word, Cash with Adv.****For Plant Ads., See Ready Reference Section.**

Where answers are to be mailed from this office enclose 10 cents extra to cover postage, etc.

Situation Wanted.—First-class saleslady and designer; city experience; with good trade. Address Key 763 care American Florist.

Situation Wanted.—By sober man; good grower of cut flowers and plants; very good in carnations; can take charge. Key 771, care American Florist.

Situation Wanted.—Young man of 29; has had 10 years experience in Chrysanthemums and Carnations; can give best references; state wages. Address, Key 762, care American Florist.

Situation Wanted.—Hollander; near Cleveland or Chicago; commercial or private; latter preferred. Well up in greenhouse work and Perennial garden. Can be engaged at any time. Can show good references. Address, R. W. Bjrl, 3616 Mayfield Road, Cleveland, Ohio.

Situation Wanted.—Englishman (married), 18 years practical experience in leading English nurseries. Experienced in all branches inside and out, including growing and exhibiting Sweet Peas, Dahlias, etc. Last situation: 9 years, 12 months in this country. Excellent reference. Address, Key 772, care American Florist.

Situation Wanted.—An up-to-date floral artist, young married man, 30; desires a permanent position with a first-class concern where activity, ability, etc., will eventually bring promotion. 10 years experience in every detail of the retail trade with A1 people. Would locate in any large city. Address Key 760 care American Florist.

Help Wanted.—Good carnation grower to take charge of section. Apply Will Bros. Co., Box 29, Minneapolis, Minn.

Help Wanted.—About February 15, a vegetable gardener, married man preferred, house furnished. FRANK AIKIN, Decatur, Ill.

Help Wanted.—Good rose grower to take charge of section. Kindly state age, experience and wages expected. Key 768 care American Florist.

Help Wanted.—Young woman to manage retail store; one of experience and an enthusiastic saleslady; state salary. Buffalo, N. Y. Address Key 770, care American Florist.

Help Wanted.—A competent grower of general stock on commercial place in Texas. Must be good designer, well up on Carnations, Roses and Mums, not afraid of work, honest and reliable, to start January or February 1st. Wages \$50.00 and Room. THE NUSSBAUMER FLORAL CO., San Angelo, Texas.

For Sale.—Half interest in a good paying Florist business, must be sold by March 1st. Other business cause of selling. Write immediately for particulars. Address, Key 765, care American Florist.

For Sale.—A good paying florist, seed and plant business, established by present owner over five years, in beautiful Berkeley close to San Francisco, the Exposition site; suitable for man and wife. For particulars address Kensington Florist, 3310 Adeline St., South Berkeley Station, California.

For Sale or Lease.—Greenhouse and florist's store; about 2000 feet of glass and 50 by 125 feet of ground. Established trade. Wish to retire. 1749 W. Huron St., Chicago.

For Sale.—An exceptional opportunity is offered to a man to purchase a paying, well equipped retail flower business; last year \$25,000 business; daily running expenses \$15.00, including help. Additional information can be had by addressing Key 767 care American Florist.

For Sale.—A good paying florist business, established over 15 years ago by present owner. 9,000 feet of glass with retail store. A good location in Chicago. Fine chance for the right party. Death in the family reason for selling. For further particulars, address, Key 766, care American Florist.

SITUATION WANTED**Good Carnation Grower**

Is open for engagement. Middle West preferred. For further particulars address,

Key 723, care American Florist.**HIGH CLASS MAN.**

One capable of taking charge. Reference required.

Hoffman, Boston.**Help Wanted.**

A No. 1 Designer who can sell to first class trade in large city. Give full particulars in application.

Address, Key 759, care American Florist.**Help Wanted.**

A good experienced decorator. Must be strictly temperate and of good habits. In application state where last employed. Pittsburgh firm.

Key 769, care American Florist**Situation Wanted.**

Englishman (27) desires permanent position as manager. I know the requirements of a first class store. Artistic designer. Good buyer, salesman and decorator. Life experience, best references, sober and honest. Alex Gardiner, 15 E. Washington St., Chicago, Ill.

SITUATION WANTED.

First-class storeman, decorator and designer is open for position at once. Best references.

Key 764 care American Florist.**Catalogs Wanted.**

Catalogs and price lists of all sorts of flowers, bulbs and plants used in landscape gardening.

John Kilgour, Hyde Park, Cincinnati, Ohio.**Assistant Horticulturist (Male)**

The United States Civil Service Commission will hold an open competitive examination for assistant horticulturist, for men only, on February 5, 1913, in the different states and territories. An educational training equivalent to that required for the degree of bachelor of arts is a prerequisite. Applicants must be between the ages of 25 and 45 years. Apply to UNITED STATES CIVIL SERVICE COMMISSION, Washington, D. C., for application and examination Form 1312, using exact title as given at head of this announcement.

OFFICIAL S. A. F.**Shipping Labels**

Actual size of leaf 2 3/4 x 5 1/4 inches.

FOR CUT FLOWERS: in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price: Per 500, \$2.85, per 1000 \$4.50. Samples on request. Electro of leaf, postpaid, \$1.25. Cash with order.

AMERICAN FLORIST CO.**440 Dearborn St., CHICAGO.****The Trade Directory****FLORISTS, SEEDSMEN AND NURSERYMEN**

— OF THE —

United States and Canada**FOR 1912****Price: \$3.00, postpaid****AMERICAN FLORIST CO.****440 S. Dearborn St.,****CHICAGO**

CARNATIONS!

BIG CROP NOW ON. Red, per 100, \$3.00.

Fancy Pink and White, per 100, \$3.00. Short stems, Pink and White, per 100, \$2.00.

ALSO A FINE CROP OF LONG BEAUTIES.

Our roses are all carefully sorted and packed and cut especially for the shipping trade. Buy your flowers direct from a large grower. You get a more even run of stock and much fresher cut. We send our stock from the greenhouses three and four times per day.

CURRENT PRICE LIST. Subject to change in market.

American Beauties

	Per doz.
Specials, extra long stems.....	\$ 5 00
36-inch stems.....	4 00
24 to 30-inch stems.....	3 00
15 to 20-inch stems.....	2 50
12-inch stems.....	1 00

Rhea Reid

	Per doz.
Specials, extra long.....	\$1 50
Good length.....	1 00
Medium.....	75

Wards and Richmonds

	Per 100
Extra long.....	\$10 00
Medium.....	\$6 00 to 8 00
Short.....	5 00

White and Pink Killarneys

	Per 100
Extra select.....	\$10 00
Medium.....	\$6 00 to 8 00
Short.....	5 00

Carnations

	Per 100
Fancy Pink, White and red.....	\$3 00
Short Pink and White.....	2 00
Harrisii Lilies, per doz.....	16 00
Jonquils.....	\$3 00 to 4 00
Narcissus Paper White.....	2 00 to 3 00
Lily of the Valley.....	3 00 to 4 00
Asparagus Sprays.....	3 00 to 4 00
Sprengeri.....	2 00 to 3 00
Ferns, per 1000.....	2 50
Smilax, per doz.....	1 50 to 2 00
Adiantum.....	1 00 to 1 50
Galax, bronze, per 1000.....	1 00

BASSETT & WASHBURN

Office and Store 131 N. Wabash Ave., CHICAGO. Greenhouses: HINSDALE, ILL.
LONG DISTANCE PHONE, CENTRAL 1457.

Chicago.

A QUIET MARKET.

Trade is quiet and there has been no great change in the market conditions since last week. Although there is plenty of stock at present roses are not in large supply and the demand for them is light. Richmond roses are scarce but the supply of Killarney and White Killarney is quite large. Long stemmed American Beauty roses are plentiful and some magnificent stock is obtainable. Mrs. Aaron Ward, Prince De Bulgarie and Sunburst are in heavy demand and are sold quickly at good prices. Carnations are very plentiful and are being sold in large lots at greatly reduced prices. The supply of orchids is equal to the demand but gardenias are still scarce. Sweet peas have been moving fast and there is no surplus to speak of. Paper White narcissi and Roman hyacinths are seen in large quantities at all the stores and the same holds good for tulips. Lily of the valley is in good supply and some very fine stock is now arriving. Violets have had very little call and sold for less money this week than they ever did before. The supply of stevia has shortened up considerably and some fine snapdragons are now to be had. Freesias are plentiful and greens of all kinds are in good supply. There is a great deal of funeral work and the demand for white roses is better than it has been for some time past. The cold clear weather we are having is doing wonders with the stock, especially with the Killarney rose, which is rapidly assuming its natural color. On Wednesday the weather was very cloudy and trade was none too lively. Roses have shortened up considerably and some houses are having trouble in filling all their orders. Bulbous flowers are greatly in evidence and the supply of carnations is rapidly increasing.

NOTES.

N. J. Wietor and wife left on January 13 for a visit at Ocean Springs, Miss., and other southern towns, principally New Orleans, La. W. Gast and wife accompanied them on the trip and according to the well known wholesaler the party will be gone for about three



Peter Reinberg.
Pres. Elect of the Board of Education.

weeks. Gus. Alles, Wietor Bros.' old reliable storeman, will be in charge as usual during his employer's absence.

Peter Reinberg, the well known wholesale florist of this city, was again

honored this week when he was unanimously elected president of the board of education at its annual meeting, January 9. He succeeds Dr. James B. McFatrach, who resigned after serving two years of a term expiring on July 1, 1913.

The Chicago Carnation Co. is having a brisk demand for rooted carnation cuttings and over 30,000 have been delivered since January 1, 1913. The Herald, this firm's new scarlet carnation, is attracting a great deal of attention on the local market where it is eagerly sought for by the best trade.

August Poehlmann, H. N. Bruns and M. Barker, representing the Florists' Club, visited Wm. J. Smyth at St. Luke's hospital January 10 and found him progressing favorably under the careful attention of Mrs. Smyth.

S. F. Willard, Jr., who has been in the employ of Vaughan's Seed Store's greenhouses at Western Springs for the past three years, has resigned to accept a position with Kendel's Seed Store at Cleveland, O.

Wendland & Keimel, the well known rose growers at Elmhurst, have incorporated with a capital stock of \$100,000. The incorporators are Henry C. Wendland, William J. Keimel and Henry C. Schumacher.

Weiland & Risch are headquarters for fine snapdragons, daisies and smilax. H. W. Rogers says that trade at this house has been good considering the present market conditions.

The Northwestern Floral Co., of Gross Point, has placed an order with the A. Dietsch Co. for four new greenhouses, three 35 x 100 feet and one 31 x 100.

The annual meeting of the Horticultural Society has been postponed, awaiting the return of Secretary Haight, who is in Florida.

Poehlmann Bros. Co.

72-74 E. Randolph St.

Long Distance Phone
Randolph 35

CHICAGO, ILL.

CARNATIONS ROSES---ORCHIDS---VIOLETS

and All Other Seasonable Stock in Good Supply.

Current Price List.

SUBJECT TO CHANGE WITHOUT NOTICE.

AMERICAN BEAUTIES		Per Doz.	RICHMOND.		Per 100	CARNATIONS—		Per 100
Specials		\$5.00	Long	\$12.00 to \$15.00		Fancy	\$3.00 to \$4.00	
30 to 36-inch	3.00 to 4.00		Medium	8.00 to 10.00		Medium	2.00	
24 to 28 inch	2.00 to 2.50		Good short	4.00 to 6.00		Splits and Shorts	1.00	
18 to 20-inch	1.50		KILLARNEY.			ORCHIDS,		
Short stem	Per 100 6.00 to 10.00		Long	\$12.00 to \$15.00		PERCIVILLIANA	per doz.,	4.00
PRINCE DE BULGARIE, Antoine Rivoire or			Medium	8.00 to 10.00		TRIANAE	per doz.,	6.00
Mrs. Taft.			Good short	4.00 to 6.00		ONCIDIUMS		5.00
Long	\$12.00 to \$15.00		WHITE KILLARNEY.			DENDROBIUM FORMOSUM, doz.		4.00
Medium	8.00 to 10.00		Long	\$12.00 to \$15.00		EASTER LILIES		15.00
Short	4.00 to 6.00		Medium	8.00 to 10.00		JONQUILS		4.00
MELODY, long			Good short	4.00 to 6.00		TULIPS, (Prosepine)		4.00
Medium	8.00 to 10.00		Extra special Roses, charged accordingly.			ADIANTUM CROWEANUM		1.00
Short	4.00 to 6.00		VIOLETS, Princess of Wales.		\$1.00	MEXICAN IVY	per 1000, \$6.00	.75
MRS. AARON WARD.			Double, New York		1.00	SMILAX		16.00
Long	12.00 to 15.00		Double, Glencoe, home-grown		1.50	SPRENGER, PLUMOSUS SPRAYS	3.00 to 4.00	
Medium	8.00 to 10.00		ROMANS		\$3.00 to 4.00	PLUMOSUS STRINGS, extra long and		
Short	4.00 to 6.00		SWEET PEAS		1.00	heavy	each, .60	
LADY HILLINGDON.			VALLEY		\$3.00 to \$4.00	FERNS	per 1,000, 2.00	.25
Long	12.00 to 15.00		NARCISSUS, Paper White		3.00 to 4.00	GALAX	per 1,000, 1.25	
Medium	8.00 to 10.00		STEVIA		1.50 to 2.00	LEUCOTHOE	per 100, .75	
Short	4.00 to 6.00							

BOXWOOD, fine bright green (no wood).....per bunch, 25c; per 50-lb. case, 7.50

WILD SMILAX, in 50-lb. cases, (no small cases).....per case, 5.00

SUPPLY DEPARTMENT

VALENTINE BOXES

Something New and Unique

Also Corsage Shields, Ties and Pins

Place your order now for an assortment of pretty **Red Baskets** for Valentine Day.

Fancy Cut Flower Boxes and a full line of accessories for the coming season. Give us a trial order now and be convinced that our stock is new and that all orders are shipped promptly. We have a habit of giving satisfaction.

WIETOR BROS.

162 N. Wabash Ave., CHICAGO.

LARGE SUPPLY BEAUTIES--ROSES--CARNATIONS

CURRENT PRICE LIST.—Subject to change without notice.

American Beauties.

Per Dozen	Per Dozen
60 in. stems.....\$5 00	24-in. stems.....\$2 00
48-in. stems.....4 00	20-in. stems.....1 50
36-in. stems.....3 00	16-in. stems.....1 00
30-in. stems.....2 50	

Killarney.

Per 100
Extra special.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

My Maryland

Per 100
Extra Specials.....\$10.00
Select.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00

Roses, our selection - - - \$4.00

Mrs. Jardine, Long.....\$10.00
Medium.....6.00

Richmond

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stem.....4.00

White Killarney

Per 100
Extra specials.....\$10.00
Selects.....8.00
Fancy.....7.00
Medium.....6.00
Good.....5.00
Short stems.....4.00

Carnations Good.....4.00

Medium.....3.00 | Short.....2.00

FERNS, per 1000.....\$2.00

SMILAX, per doz.....\$1.50 to 2.00

ADIANTUM, per 100.....1 00 to 1.50

GALAX, per 1000.....1.00

SPRENGERI, per bunch......50

ASPARAGUS SPRAYS, per bunch......50

Kroeschell Bros. Co. is receiving a large number of inquiries from prospective buyers and many testimonial letters from old customers. Frank Hamilton, of Robinsdale, Minn., writes that his Kroeschell boiler in a dandy and gives satisfaction even in the coldest of weather. He says one day when the temperature was 45° below zero and the wind was very severe—"Wow how she did blow!"—he gave the boiler a thorough test and was more than pleased with the result.

The remains of Mrs. Emma Seward, widow of the late Joseph B. Seward, who died in Paris, France, last August, were brought to this city and taken to Onarga, Ill., on January 12 for burial. The late Mr. Seward was one of the pioneer florists in this city and was proprietor of the establishment now operated by Henry Hilmer and known as the Kenwood Floral Co.

The Cook County Florists' Association will meet at the Tavern, West Washington street, on January 16, when the officers for the ensuing year will be nominated. A. N. Tierney of Calgary, Alberta, Canada, will read a paper on roses at this meeting.

The stockholders and directors of the Chicago Flower Growers' Association held a meeting at their store on North Michigan avenue on January 15. Sweet peas and Killarney roses of fine quality are the leading features at this store now.

Poehlmann Bros. Co. is cutting heavily in carnations and some very fine stock is now arriving at the store. The supply department, under the able management of T. E. Waters, is now pushing goods for Valentine day.

Vaughan's Seed Store has an elegant display of gladiolus for forcing, including Augusta, Mrs. Francis King and America, as well as the new special early forcer, Chicago White.

C. L. Washburn, of Bassett & Washburn, was struck by an electric car at Hinsdale on January 14, but fortunately the car was going very slowly, so he was not seriously injured.

A. L. Vaughan & Co. are on deck as usual with a complete line of seasonable flowers and greens. Their roses and carnations are exceptionally good now.

At J. B. Deamud Co.'s store stock of all kinds is seen in quantity, but carnations, bulbous stock and wild smilax are the chief offerings.

The cement show will open at the Coliseum, January 16, and will afford much of interest to those interested in concrete construction.

Henry Wittbold arranged the decorations for the Dole-Blair wedding, which took place at the bride's home in Evanston, January 14.

W. C. Walter and wife of Denver, Colo., enroute to Florida, visited friends in the trade here during their stay in the city.

Chas. W. McKellar says that Cattleya Trianae is in good demand now and the supply of cypripediums is quite large yet.

H. Van Gelder says that the demand for ribbons and chiffons at Percy Jones' store last week was very brisk.

Kyle & Foerster are supplying their trade with choice pansies and are featuring fancy American Beauty roses.

H. Kusik, of H. Kusik & Co., Kansas City, Mo., transacted business here this week.

Nick Potchen, formerly with D. E. Freres, is now with the Chicago Carnation Co.

John Zech, of Zech & Mann's, says that collections have been very good lately.

Edgar Winterson, Jr., is following in his father's footsteps.

Mrs. Warren Garland of Des Plaines had the misfortune of breaking her ankle this week.

William Herberts, 4545 Milton place, is building a new greenhouse.

The Ogden Avenue Floral Co. reports a big run in funeral work.

Visitors: Harry Balsley, Detroit, Mich.; Wm. F. Kasting, Buffalo, N. Y.; Peter Fornof and F. S. Miller and son, Cleveland, O.; J. W. Davis, Davenport, Ia.; W. C. Walter and wife, Denver, Colo.; H. Kusick, Kansas City, Mo.

Chicago Bowling.

COOK COUNTY FLORISTS' LEAGUE.

The fight for first place is becoming warm and the Violets, Carnations and Orchids are only a few games behind the Roses. The individual race is also close with Allie Zech leading Fred Price and Al. Fischer by about 10 pins. The Orchids broke all records for the season and now have the highest single game score and the highest three game average. John Zech rolled 214, J. Jacobs and Brostrom 210 and Eddie Schultz 206, which were the four highest single game scores of the evening.

Team Standings.

Won. Lost.	Won. Lost.
Roses 22 13	Carnations 16 20
Violets 20 16	Orchids 14 21

Individual and team scores for games played January 8:

Carnations.	Violets.
Lorman 190 140 182	A. Huebner.115 150 125
L'b'mann 146 143 158	J. Jacobs...210 169 157
Armstrong 132 126 129	W. Wolf...178 167 193
Ayers 178 143 190	E. Schultz.193 134 206
A. Zech 168 188 197	J. Huebner.125 147 126

Totals ..814 749 866

Orchids.

Krauss 129 154 189	Goerisch 127 183 184
Graff 149 144 154	Witter 123 164 199
Brostrom 154 210 190	Lazaroff 156 144 114
Econo'polis 136 196 162	Price 184 151 175
J. Zech 214 186 145	Fischer 148 184 173

Totals ..782 800 770

Totals ..738 770 755

Big Crops of LONG BEAUTIES

PINK KILLARNEYS WHITE

RICHMOND--MARYLAND--MELODY--WARD
SUNRISE.

Be sure and place your order with Reinberg. He always treats you right.

Current Price List.

Subject to change without notice.

AMERICAN BEAUTIES

	Per doz.
Extra long.....	\$ 4 00
36-inch stems.....	3 50
30-inch stems.....	3 00
24-inch stems.....	2 50
20-inch stems.....	2 00
18-inch stems.....	1 50
12 to 15-inch stems.....	1 00
Shorts.....	\$ 50 to 75

Richmonds.....	Per 100
Select.....	\$10 00
Medium.....	6 00 to 8 00
Shorts.....	4 00

Killarney, Special.....	Per 100
Medium.....	6 00 to 8 00
Short.....	4 00

	Per 100
White Killarney, Special.....	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
My Maryland, Special.....	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
Sunrise, Select.....	10 00
Medium.....	6 00 to 8 00
Short.....	4 00
Roses our Selection.....	5 00
Carnations, Fancy.....	3 00 to 4 00
Select.....	1 50 to 2 00
Harrisii Lilies...per doz..	\$1 50

	Per 100
Valley.....	3 00 to 4 00
Violets.....	75 to 1 00
Sweet Peas.....	1 00 to 1 25
Paper Whites.....	2 00 to 3 00
Romans.....	2 00 to 3 00
Asparagus, bunch.....	2 00 to 3 00
strings, 60c to 75c ea.	
Sprenger.....	2 00 to 3 00
Smilax.....	1 50
Mexican Ivy.....	75
Galax, bronze and green.....	
per 1000, \$1 25	
Leucothoe Sprays.....	75
Boxwood, per bunch.....	25
Ferns, per 1000.....	\$2 00

Peter Reinberg

30 East Randolph Street

L. D. Phone, Central 2846

CHICAGO

Chicago Florists' Club.

The regular meeting of the Chicago Florists' Club was held at the Union Restaurant January 9, President Foley in the chair. The principal business of the evening was the installation of officers, which was carried out in the style provided by the new by-laws. The report of Treasurer Winterson was presented, showing a healthy condition of the club's finances. President Foley then thanked the members for their assistance and co-operation during the past year and bespoke similar encouragement for the new officers, who were then introduced and with appropriate remarks installed in their respective places.

President-Elect French on taking his seat made a good address, full of suggestion and promise for the coming year. He dwelt at length on the need of publicity in times of oversupply and this topic brought out an animated discussion in which Wm. F. Kasting, W. N. Rudd, W. S. McGee, Geo. Asmus, Richard Salms and others took part. The new president announced some of his committees as follows:

Reception Committee—George Asmus, chairman; P. J. Foley, T. E. Waters, Richard Salms, E. F. Winterson and W. S. McGee.

Transportation Committee—J. B. Deamud, chairman; Fred Lautenschlager and Chas. W. Johnson.

Committees were also appointed, one to visit W. J. Smyth, whose recent accident still confines him to St. Luke's hospital, a committee to draw up resolutions on the death of John T. Temple of Davenport, Ia., and a committee to operate with the Horticultural Society in planning for the November show of the Chrysanthemum Society of America in this city.

The visitors included Wm. F. Kasting, Buffalo, N. Y.; Harry Balsley, Detroit, Mich.; Peter Fornof and F. S. Miller and son, Columbus, O.

Milwaukee.

CARNATIONS MORE PLENTIFUL.

Carnations are becoming more plentiful and are again selling at normal prices. Roses, especially the short grade which are in great demand, are rather scarce. There seems to be little call for lilies of the valley and they move slowly. Lilies are coming in more plentifully and there are enough to fill all orders. Sweet peas are arriving in larger quantities, due to a few bright days which we had last week. There are plenty of greens to fill all orders.

NOTES.

J. Verry, who conducted a very neat little flower store on Grand avenue and Second street for sometime, has discontinued the sale of flowers and has

PERCY

Wholesalers of

CUT FLOWERS and
FLORISTS' SUPPLIES

Write for Catalogue.

JONES

56 E. Randolph St., CHICAGO

Mention the American Florist when writing

turned his store into a first class shoe shining parlor.

The force at the Dallwig Seed Store are busy making preparations for the

DON'T LOOK ANY FURTHER

We have everything you want in quantity
and at **GREATLY REDUCED PRICES.**

Carnations, good quality now coming in heavily. **Beauties**, big crops in all lengths now on. **Killarneys**, both pink and white; finest stock on this market. **Violets**, (Single), big flowers on fine long stems. **Bulbous Stock**, Romans, Paper Whites, Jonquils and Tulips in quantity. **Valley**. Our XXX Brand. There is none better.

Order from a house where you know you will be treated right.

A. L. VAUGHAN & CO.,

(NOT INC.)

161 N. Wabash Ave.,

PHONES { Central 2571-2572
Automatic 48-734

CHICAGO

early seed trade, which will be in full swing shortly.

R. Leitz was called to Detroit by the death of his mother who had been in poor health for some time past.

Albert Heath Co. reports business good in the flower line and says there is something doing all the time.

The Holton & Hunkel Co. is just finishing up their heavy crop of roses but with the heavy carnation shipments their growers are bringing in it helps them out on the rose shortage.

The C. C. Pollworth Co. reports business good. This firm is cutting some fine Killarney roses but not enough to supply the demand. Their carnations are also arriving in fine condition.

C. Desebrock, formerly bookkeeper of the Edelefsen-Leidiger Co., is making preparations for the opening of a retail flower store at 2827 North avenue.

Manke Bros. contemplate putting up two more houses this spring. This firm is just cutting a heavy crop of carnations which are excellent flowers.

Gust. Rusch & Co. are receiving a fine lot of carnations, also some very fine roses which are selling readily. This firm reports business good.

A. Klokner was kept busy last week for the auto show at the Auditorium, using a considerable amount of wild smilax and palm leaves.

Fred Schmeling has been confined to his bed for the past week with a slight attack of pneumonia.

A. B. Loofbourow is kept busy with his two south side stores and reports business fine.

The Currie Bros. Co. reports business good, with orders for all occasions. G. R.

NORTH YAKIMA, WASH.—The annual meeting of the State Horticultural Association is being held here January 15-17.

Davenport, Ia.

CARNATIONS MORE PLENTIFUL.

Business since the first of the year has been nothing to boast about. Funeral orders are quite numerous, however. Carnations are coming in more plentifully now and are first-class in every respect. Roses could not be much better. Violets are rather scarce just at present. Tulips have made their appearance but are still very short of stem. Plenty of other bulb stock is now being shown.

CLUB MEETING.

The January meeting of the Tri-City Florists' Club was held at the home of Henry Pauli on the afternoon and evening of January 7. Every member was present with the exception of two. The members had attended the funeral of the late John Temple in a body and met with Mr. Pauli after the services. Only routine matters came before the club for a hearing, the regular topic being postponed to the February meeting. A committee appointed to draft resolutions on the death of Mr. Temple prepared and submitted the following: Whereas, God in his infinite wisdom has called from our midst our brother florist, John Temple, therefore be it resolved, that our organization has suffered the loss of a loyal member, each of us a true friend and the interests of floriculture and horticulture an energetic and tireless worker. And be it resolved, that the members of the association attend the funeral in a body and extend to the bereaved family our heartfelt sympathy. Also resolved, that a copy of these resolutions be sent the daily papers, the trade papers, the family and spread on the books of the association. John Staack, Henry Meyer, Harry Bills, committee. Edw. Goldenstein and Clifford Pruner, both representing Chicago firms, were guests of

the club. Henry Gaethje invited the club to meet with him in February. His invitation was accepted.

THE TEMPLE FUNERAL.

Funeral services over the body of the late John Temple were held January 7. Edw. Goldenstein represented J. C. Vaughan, Chicago, who was too ill to be present in person, and Clifford Pruner represented the Poehlmann Bros. Co. Mr. Vaughan sent a fine large wreath of white roses and M. Barker of THE AMERICAN FLORIST a spray of Pink Killarney roses. A vast number of floral tributes decked the coffin. The Masons, K. of P.'s, Volunteer Firemen, Tri-City Florists, Odd Fellows, and Rebekahs all sent beautiful pieces. There were also numbers of sprays and wreaths from individuals.

NOTES.

The writer takes this means in behalf of the family of the late John Temple to thank members of the trade for their letters of sympathy and for their many floral offerings. Also members of the Tri-City Florists' Club for their attendance at the services.

Henry Ewoldt, father of the Ewoldt Bros., who has been seriously ill for the past five weeks, is slowly improving.

The first snow this winter came January 7. It measured 9 inches and came with zero temperature.

The father-in-law of Wm. Goos, the Bettendorf florist, died recently.

T. E.

SAN FRANCISCO, CALIF.—Otto F. Schrock has started a propagating house. He threw open his office to visitors January 1.

PASADENA, CALIF.—This city's twenty-fourth annual rose tournament was the most gorgeous yet held. Fully 200,000 people witnessed the pageant.

JOHN F. KIDWELL, President.

EDWARD MEURET, Vice-President.

GEO. C. WEILAND, Sec'y.

ANTON THEN, Treas.

The Chicago Flower Growers Association



WHOLESALE GROWERS OF CUT FLOWERS AND PLANTS

L. D. Phone
Randolph 5449

176 N. Michigan Ave.

Chicago

Sweet Peas
Killarney
Roses and
Carnations
Of Fine Quality
In Large Quantities

Current Price List.

Subject to change
without notice.

Grade	A	B	C	D	E	F	G
American Beauties.....per dozen	\$ 6.00	\$ 5.00	\$ 4.00	\$3.00			
Killarney.....per 100	10.00	8.00	6.00	5.00	4.00		
White Killarney....."	10.00	8.00	6.00	5.00	4.00		
My Maryland....."	10.00	8.00	6.00	5.00	4.00		
Richmonds....."	10.00	8.00	6.00	5.00	4.00		
Mrs. Aaron Ward....."	10.00	8.00	6.00	5.00	4.00		
Sunburst....."	10.00	8.00	6.00	5.00	4.00		
Carnations....."	5.00	4.00	3.00	2.00			
Lily of the Valley....."	4.00	3.00					
Violets, Extra fine single....."	1.50	1.00					
Double....."	1.50	1.00					
Sweet Peas....."	1.50	1.00					
Romans....."	4.00	3.00					
Paper White Narcissus....."	3.00	2.00					
Jonquills....."	4.00	3.00					
Tulips....."	4.00	3.00					
Easter Lilies....."	15.00	12.50					
Daisies....."	1.50	1.00					
Asparagus Plumosus Sprays..per 100	4.00	3.00	2.00				
Asparagus Sprengeri Sprays.."	3.00	2.00					
Mexican Ivy....."	.60						
Smilax....."	16.00	12.50					
Galax, Green and Bronze....per 1000	1.00						
Ferns....."	2.00						
Boxwood.....bunch	.25						
Adiantum.....per 100	1.00	.75					

CARNATIONS

Roses, Valley, Single and Double Violets, Orchids, Sweet Peas, Lilies, Callas, Romans, Tulips, Stevia, Mignonette and All Other Seasonable Flowers and Greens can be obtained at all times in Quantity at "The Busiest House in Chicago."

HEADQUARTERS FOR WILD SMILAX

J. B. DEAMUD CO.

160 N. Wabash Avenue,

CHICAGO, ILL.

Cincinnati.

WEEK CLOSES WELL.

The market last week took a rather unexpected and peculiar turn. The week opened with everything in good strong supply and the receipts were taken up only moderately well. As the week progressed market affairs took a turn for the better and by the close almost everything that was good was cleaning up nicely. The size of the daily cut of roses decreased very perceptibly. A very easy market

changed to one where most of all the receipts cleaned up each day. The demand is especially strong for white and pink. The American Beauty supply, too, has diminished but the receipts are ample for requirements right now. Carnations are in a very large supply. The supply the first few days of last week could not nearly be utilized by the call for these blooms. They, however, experienced a turn for the better as the close of the week drew near and on Friday and Saturday they sold up nicely. The prices

realized were low. Both callas and giganteum are proving good property. In valley only the best is selling. The offerings in single violets are elegant. The stems are long and blooms large. Bulbous stock is finding only an ordinary market and is bringing prices commensurate with the demand. The supply of double violets and orchids is easily adequate. A few tulips have made their appearance.

NOTES.

E. G. Gillett is receiving Princess of Wales violets from Geo. Hopp of

—Send Your Orders for Seasonable Flowers to—

CHAS. W. McKELLAR

22 E. Randolph St., CHICAGO.

Anything in Seasonable Stock
at Lowest Market Prices.Long Distance Phone
Central 3598.**ERNE & KLINGEL**

WHOLESALE FLORISTS

30 E. Randolph St.

L. D. Phone, Randolph 6578

CHICAGO, ILL.

Grand Rapids, Mich. The flowers are almost the size of pansies and the stems are a foot long. It is needless to say that they clean up at sight.

J. T. Conger and wife have returned from Chicago, where they have been spending the last two weeks with Mr. Conger's mother.

Al. Heckman of the Cincinnati Cut Flower Exchange has been on the sick list since last Friday.

Al. Forder of Menlo Park has purchased Miss Shanahan's store in Avondale.

R. Witterstaetter left January 2 for Panama to take a look at the canal.

Visitor: Martin Reukauf of H. Bayersdorfer & Co., Pennsylvania.

C. E. Critchell has been getting very large shipments of carnations.

Windram and wife leave Thursday for Leesburg, Florida.

H.

Boston.**ROSES AND CARNATIONS SHORT.**

Weather predictions here are hard to make. We have had all kinds of weather handed out to us. All we needed sometimes was the robins to make us think of spring. Between south winds and rain we had a remarkable January. Roses and carnations are short in supply and prices are keeping up. With the exception of funeral work there is no great call, but the scarcity of those two flowers make it sometimes hard to fill orders. There is no apparent scarcity of other flowers.

NOTES.

We met Wm. Young one day last week, and he says he had two individual orders for plants of the Mrs. Charles Russell rose which totaled 24,000. Fourteen thousand of the order went west. Some of the western boys must have big stockings. Some of them can almost see the cups they are going to bring home from the Third National Show.

Penn. the Florist, had a notable window decoration at his store Saturday. It was made of Mrs. Russell roses, violets and orchids. The latter were hung in receptacles on a wire screen and filled in with asparagus plumosus. The effect was very fine.

The high cost of living has struck some of the plantmen and seedmen. Prices have been raised except to those who got in before the gate was shut.

There has been no ice cut here as yet. Some of the ice houses are empty and it looks bad for the florists next summer.

MAC.

SCRANTON, PA.—Annie Griffiths has sued William Davis to recover \$730 which she claims is due for loans and other advances.

OGDEN, UTAH.—The Utah State Horticultural Society will hold its annual convention here January 20-22.

Batavia Greenhouse Co.**KILLARNEYS BEAUTIES CARNATIONS**And All Other Seasonable Flowers
at Lowest Market Prices. 30 E. Randolph St., CHICAGO**St. Louis.****WEATHER HURTS TRADE.**

The market conditions have been influenced greatly by the inclement weather of the past week. Carnations, especially, were very plentiful and in lots were sold at very low prices. Roses also suffered. American Beauty in many cases arrives bull-headed and shapeless; violets and sweet peas also increased in supply. Transient trade is poor and the only outlet is caused by funerals and a few society events.

NOTES.

A very interesting meeting was held last Thursday by the St. Louis Florists' Club; F. H. Weber, president, in the chair; 25 members present. Alex. Siegel was elected a member and will prove a good one, as Alex. is popular with the boys. A committee, appointed by the Retail Florists' Association, will meet the publicity committee of the St. Louis Florists' Club at the next meeting in reference to the advisability of holding a fall flower show.—Jamke of the Missouri Botanical Garden, Fred Ammann and J. J. Beneke spoke in its favor. The prospects are bright. The show, if given, will be held entirely under new management and there will be special features which will attract growers and retailers alike.

R. A. McPherson of Litchfield, Ill., was a visitor and was enthusiastic over Christmas business. He has as fine carnations as grown anywhere. He is now busy completing a new chrysanthemum house to grow special varieties.

Henry Ostertag and a force of twenty-five men left St. Louis Friday night for Jefferson City with a carload of flowers to be used at the inauguration of Elliot W. Major, the governor of Missouri.

All five of the wholesale houses are well stocked with flowers. With better weather conditions it is hoped trade will improve.

Mrs. Pelletier had, last week, one of the largest floral pieces ever put up in the shape of a very large and beautiful vase.

Miss Olga Maul, formerly with Grimm & Gorly, is now with John Barnard who is working up a fine trade.

At last reports we are glad to announce a slight improvement in Mrs. H. G. Berning's health.

W. F.

SEND TEN CENTS

FOR A SAMPLE OF THE

Ever-Ready Flower-Pot Cover.

Strong cardboard foundation. Best waterproof crepe paper, silk fibre ribbon-ties at top and bottom. Firmly held with improved metal fastenings. Furnished in four colors and made in many sizes. An Ever-Ready Flower Pot Cover around the old clay pot will increase the value of the plant considerably and add to your profits. Send 10c for a sample today.

Manufactured by the

EVER-READY FLOWER-POT COVER CO.

WM. H. GREVER, Manager

146 Hughes Avenue

BUFFALO, N. Y.

GOLDFISH**"Something
Alive in the
Window"**Catches
the public eye.Order your
supply now.**\$3.00 per 100
and up.**

Write for catalog

AUBURNDALE GOLDFISH CO.

920 W. Randolph Street,

CHICAGO.

Baskets

Newly imported stock from our large factories in Germany. Largest and finest assortment in the United States. Send for a \$5.00 or \$10.00 assortment, our selection, and we will bill you at factory prices. Write today.

RAEDLEIN BASKET CO.,

713-717 Milwaukee Ave.,

CHICAGO

WIETOR BROS.Wholesale
Growers of **CUT FLOWERS**All telegraph and telephone orders given
prompt attention.

162 N. Wabash Ave., CHICAGO

A. L. RANDALL CO.,

Chicago's Largest Wholesale Cut Flower and Supply House

66 E. Randolph Street,

Phone Central 1496.

CHICAGO

Everything in Cut Flowers and Supplies.

BOXWOOD

Extra Fine, \$7.50 per case.

KENNICOTT BROS. CO.

WHOLESALE CUT FLOWERS

163-165 N. WABASH AVE.

CHICAGO

L. D. Phone Central 466

H. Wittbold

Wholesale Florists and
Decorating Specialists.

Headquarters for

**Mexican Ivy,
Wild Smilax**

and General Supplies.

OUR PRICES WILL SURPRISE YOU.

56 E. Randolph St., Chicago

Phones { Randolph 4708—Office.
 { Rogers Park 227—Nursery.

Mention the American Florist when writing

HOERBER BROS.

Wholesale **Cut Flowers**
Growers of

Telephone Randolph 2758.

Greenhouses: DES PLAINES, ILL.

Store: 162 N. Wabash Ave., CHICAGO

Mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 162 N. Wabash Ave. CHICAGO

Telephone, Central 3284.

Mention the American Florist when writing

John Kruchten,

Wholesale Cut Flowers

162 N. Wabash Ave., CHICAGO

ROSES and CARNATIONS
Our Specialties.

Mention the American Florist when writing

Chicago Carnation Co.

Wholesale Florists,

30 E. Randolph St., Chicago

L. D. Phone, Central 3373.

Mention the American Florist when writing

J. A. BUDLONG

82-86 East Randolph Street, CHICAGO.

ROSES, VALLEY
and CARNATIONS
A Specialty.....

WHOLESALE
Grower of

CUT FLOWERS

E. C. AMLING CO.

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

68-70 E. RANDOLPH STREET
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Wholesale Flower Markets

CHICAGO, Jan. 15.		Per doz.
Roses, Beauty, specials.....	\$5 00@	\$6 00
" " 36-in.....	4 00	
" " 30-in.....	3 00	
" " 24-in.....	2 50	
" " 15-20-in.....	1 50@	2 00
" " 12-in.....	1 00	
" " Short.....	\$6 00@	10 00
" Killarney.....	4 00@	15 00
" White Killarney.....	4 00@	15 00
" Richmond.....	4 00@	15 00
" Prince de Bulgarie.....	4 00@	15 00
" Radiance.....	4 00@	15 00
" Mrs. Aaron Ward.....	4 00@	15 00
" My Maryland.....	4 00@	15 00
" Melody.....	4 00@	15 00
" Mrs. Jardine.....	4 00@	12 00
" Lady Hillingdon.....	4 00@	15 00
" Sunburst.....	4 00@	15 00
Carnations.....	1 00@	4 00
Cattleyas..... per doz.,	5 00@	6 00
Gardenias.....	3 00@	4 00
Jonquils.....	3 00@	4 00
Lilium Harrisii.....	12 50@	15 00
Narcissus, Paper White.....	3 00@	4 00
Orchids, Dendrobium, per doz.,	4 00	
Romans.....	3 00@	4 00
Tulips.....	3 00@	4 00
Stevia.....	1 50@	2 00
Violets.....	1 00@	1 50
Valley.....	3 00@	4 00
Sweet Peas.....	1 00	
Adiantum Croweanum.....	1 00	
Boxwood..... per lb.,	25	
Ferns..... per 1000,	2 00@	2 50
Galax.....	1 25	
Leucothoe.....	75	
Mexican Ivy..... per 1000,	5 00@	6 00
Plumosa Strings, each,	50@	60
Smilax..... per doz.,	1 50@	2 00
Sprenger, Plumosa Sprays.....	3 00@	4 00

ROSES

White and Pink Killarney and Richmond
Roses. Red, White and Pink Carna-
tions. Callas, Sweet Peas, and
Greens of all kinds.

W. E. Trimble Greenhouse Co.

Princeton, Ill.

Mention the American Florist when writing

George Reinberg

Wholesale Florist

Extra fancy American Beauty, Richmond,
Killarney and White Killarney roses. All
orders given prompt attention. Try us.

162 N. Wabash Av., CHICAGO

Joseph Ziska

151-153 N. Wabash Ave., CHICAGO

Wire Designs and Wholesale
Florists' Supplies

Write for Our New Catalog

W. P. KYLE

JOSEPH FOERSTER

Kyle & Foerster

WHOLESALE FLORISTS

162 N. Wabash Ave., CHICAGO

Long Distance Phone, Randolph 3619.

Mention the American Florist when writing



C.C. POLLWORTH CO.

Everything in the
line of Cut Flowers,
Plants and Florists'
Supplies.

MILWAUKEE, WIS.

HOLTON & HUNKEL CO.

462 Milwaukee St.,

MILWAUKEE, WIS.

Wholesalers and Growers of
Choice Cut Flowers
and **Greens**

DOVES

First quality, per dozen \$10.50.

Six for \$5.25,

Each \$1.00.

Get my price list of other supplies.

GEO. H. ANGERMUELLER

Wholesale Florist

1324 Pine St., - St. Louis, Mo.

Philadelphia.

BUSINESS QUIET.

The last few days of the past week were quiet, there being little demand reported by the stores and the commission houses all complained of the light business. The stock in all lines is plentiful but owing to the dull weather roses are off color, particularly Killarneys, which are very light. White Killarney appears very plentiful and of fine quality, but has found very few buyers and prices have ruled low in consequence. Carnations are increasing in quantity daily and some very fine stock is seen. Prices are away down when the quality of the stock is considered. The ever welcome freesia is now a staple flower and is in fair demand. All kinds of bulbous stock is increasing. Cattleyas are offered in quantity. Gardenias have suddenly jumped ahead and are piling up in the boxes of the commission men. Good flowers were offered as low as \$5 a hundred the past week. For Christmas flowers no better brought \$5 a dozen. Violets are cheaper—both single and double are being pushed in a slow market with the inevitable results. Callas are now in the race in earnest with the Easter lily, and both move slowly at buyer's prices.

NOTES.

The incorporation of the M. Rice Co. on January 6 was one of the features of the past week. This was done under the laws of Pennsylvania. The capital stock is \$100,000, all paid in. The incorporators are: B. Escher, president and treasurer; Arthur Zirkman, vice-president; Raymond Brunswick, secretary; Robert Q. Shock and Frank Farnley. The company own the large building in which the business is carried on at 1220 Race street. This was recently enlarged by the addition of one floor, but another large building in the rear was found necessary for their rapidly increasing business. The gentlemen associated with Mr. Escher are all hustlers and with this close connection with the business great results may now be looked for. Samuel Eddleman is to have charge of the city trade, he being promoted to this position from the force in the store. K.

GUST. RUSCH & CO.



Wholesale Florists

Jobbers in

FLORISTS' SUPPLIES.

Phone Main 1245.

P. O. Box 206.

448 Milwaukee St., Milwaukee, Wis.

Wholesale Flower Markets

PHILADELPHIA, Jan. 15.		Per 100
Roses, Beauty, extra.....	40 00@60 00	
" " first.....	12 00@25 00	
" Brides and Maids.....	6 00@12 00	
" Killarney.....	6 00@15 00	
" White Killarney.....	6 00@15 00	
" Liberty.....	6 00@15 00	
Carnations.....	5 00@ 8 00	
Cattleyas.....	35 00@50 00	
Gardenias..... per doz., 3 00@4 00		
Lilium Harrisii.....	10 00@12 00	
Lily of the Valley.....	3 00@ 5 00	
Calla Lilies.....	16 00	
Marguerites.....	1 50@ 2 00	
Snapdragons.....	15 00@25 00	
Sweet Peas.....	1 00@ 1 50	
Violets, single.....	1 00@ 1 50	
" double.....	1 00@ 1 50	
Poinsettias.....	20 00@25 00	
Adiantum.....	75@ 1 00	
Asparagus..... per bunch, 50		
Smilax.....	15 00@20 00	

PITTSBURG, Jan. 15.		Per 100
Roses, Beauty, special.....	40 00	
" " extra.....	25 00	
" " No. 1.....	12 00	
" Killarney.....	3 00@ 8 00	
" My Maryland.....	3 00@ 8 00	
" Richmond.....	3 00@ 8 00	
Carnations.....	4 00	
Gardenias.....	3 00	
Daisies.....	2 00	
Cattleyas.....	50 00	
Lilium Longiflorum.....	12 00	
Lilium Rubrum.....	8 00	
Lily of the Valley.....	4 00	
Daffadills.....	4 00	
Paper White.....	3 00	
Romans.....	2 00	
Baby Primroses.....	75	
Oncidiums.....	4 00	
Adiantum.....	1 25	

Lilac..... per bunch, \$1 25	
Asparagus Sprengeri, per bunch, 35@40	
" " Sprays..... per bunch, 35@40	

MILWAUKEE, Jan. 15.		Per 100
Roses, Beauty, per doz., 2 00@5 00		
" " White and Pink Killarney, 6 00@12 00		
" " Richmond..... 6 00@12 00		
Carnations..... 2 00@ 4 00		
Callas..... per doz., 1 50		
Lilium Gigantum..... per doz., 1 50@ 2 00		
Lily of the Valley..... 3 00@ 4 00		
Stevia..... 2 00@ 3 00		
Sweet Peas..... 1 00@ 1 50		
Violets, Wisconsin grown..... 1 00@ 1 25		
Adiantum..... 1 50		
Asparagus..... per string, 50		
" " Sprengeri, per bunch, 35		
Boxwood..... per bunch, 25		
Ferns, common..... 2 00		
Galax..... per 1000, \$ 1 50		
Smilax..... per doz., 1 50@ 2 00		

When You Want the Best

Call Olive or Central 1474

and we will do the rest.

WINDLER WHOLESALE FLORAL CO.
1310 Pine Street ST. LOUIS, MO.

Berger Brothers

FLOWER MARKET,

142 North 13th St., PHILADELPHIA, PA.

High Grade Dahlias, all colors.
Richmond, Killarney and Maryland Roses.
All the Early 'Mums. Instant delivery.

RICE BROTHERS

Wholesalers of Cut Flowers

and Florists' Supplies.

Minneapolis, Minn.

Fresh Cut Valley

AT ALL TIMES

C. A. KUEHN, Wholesale Florist,

1312 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

H. G. BERNING

Wholesale Florist,

1402 Pine St., ST. LOUIS, MO.

WM. C. SMITH

Wholesale Floral Co.

WHOLESALE FLORISTS

1316 Pine St., ST. LOUIS, MO.
Both L. D. Phones.

Supplies and Everything in Season always on hand

Mention the American Florist when writing

Increase Your Sales--OFFER YOUR CUSTOMERS NOVELTIES.

Pussy-Willow, White Lilac, Pansies, Lupines, Bouvardia, Mignonette. Can furnish this stock in quantity.

THE LEO NIESSEN CO., Wholesale Florists, N. W. Cor. 12th and Race Sts., **Philadelphia, Pa.**

EASTER LILIES

All year round grown by
Hoffmeister Floral Co.
Lickrun, Cincinnati, Ohio

EVERYTHING SEASONABLE

THE McCALLUM CO., Cleveland, Ohio
Pittsburg, Pa.

Wholesale Flower Markets

BUFFALO, Jan. 15.	
Roses, Beauty, special.....per doz.,	\$6 00
" " fancy.....	5 00
" " extra.....	4 00
" " No. 1.....	3 00
" " No. 2.....	1 00
Per 100	
" Maid and Bride.....	5 00@ 8 00
" Pink Killarney.....	6 00@15 00
" White Killarney.....	6 00@15 00
" Richmond.....	6 00@15 00
" My Maryland.....	5 00@ 8 00
" Aaron Ward.....	6 00@10 00
Carnations.....	3 00@ 5 00
Lilium Longiflorum.....	10 00@12 00
Lily of the Valley.....	3 00@ 4 00
Pink Japan Lily.....	3 00@ 5 00
Narcissus.....	2 50@ 3 00
Jonquils.....	4 00
Stevia.....	1 00
Swainsona.....	50@ 1 00
Violets.....	75@ 1 00
Mignonette.....	3 00@ 5 00
Daisies.....	1 00@ 2 00
Adiantum Croweanum.....	75@ 1 50
Asparagus, per bunch.....	35@ 50
Asparagus, Sprenger.....	35@ 50
Ferns.....per 1000,	\$2 00
Galax.....per 1000,	\$1 50
Smilax.....	15 00

BOSTON, Jan. 15.	
Roses, Beauty, best.....	50 00@75 00
" " medium.....	20 00@35 00
" " culls.....	8 00
" White and Pink Killarney.....	4 00@ 8 00
" " Extra.....	12 00@16 00
" Taft.....	4 00@12 00
" Cardinal.....	4 00@12 00
" Ward and Hillingdon.....	4 00@20 00
" Killarney and Richmond.....	4 00@12 00
" My Maryland.....	4 00@10 00
Carnations, select.....	2 00@ 5 00
Callas.....	8 00@12 00
Cattleyas.....	40 00@60 00
Gardenias.....	35 00@50 00
Lilium Longiflorum.....	8 00@12 00
Lily of the Valley.....	2 00@ 4 00
Sweet Peas.....	75@ 1 00
Smilax.....	12 00@16 00
Violets, single.....	75@ 1 00
" double.....	50@ 75

CINCINNATI, Jan. 15.	
Roses, Beauty.....per doz.,	\$1 00@35 00
Per 100	
" Bride, Bridesmaid.....	3 00@ 8 00
" Killarney.....	3 00@ 8 00
" My Maryland.....	3 00@ 8 00
" Perle.....	3 00@ 8 00
" Richmond.....	3 00@ 8 00
" Taft.....	3 00@ 8 00
Carnations.....	2 00@ 4 00
Callas.....	12 50@15 00
Lilium Giganteum.....	12 50@15 00
Lily of the Valley.....	3 00@ 4 00
Orchids.....per doz.,	9 00
Narcissus.....	2 00@ 3 00
Jonquils.....	3 00@ 4 00
Roman Hyacinths.....	3 00
Violets.....	50@ 1 50
" double.....	50@ 75
Adiantum.....	75@ 1 00
Asparagus Plumosus.....per bunch,	25
Asparagus Sprenger.....per bunch,	25
Gladoli.....per doz.,	2 50
Mexican Ivy.....	75

WELCH BROS. CO.

American Beauty, Killarney, Richmond, Maryland and all the Superior Roses, Lily of the Valley, Carnations, Orchids

BEST PRODUCED

226 Devonshire Street,

BOSTON, MASS.

Montreal Floral Exchange, Ltd.

Organized for the Benefit of the Canadian Trade.

Cut Flowers and Florists' Supplies of Every Description

Home-grown Stock a Specialty. Strictly Wholesale; Nothing Sold at Retail.

Ample Reference Furnished as to Standing and Financial Ability of the Company.

123 Mansfield Street, - - MONTREAL, P. Q.



Give Us a
Trial
We Can
Please You.

Roses, Carnations and all kinds of
Seasonable Flowers in Stock.

WM. F. KASTING CO. Wholesale
Commission
Florists,
BUFFALO, N. Y.
Florists' Supplies and Wire Designs.

Atlanta Floral Commission Co.

Consignments Solicited.

A ready market for anything.

Write for prices and terms.

Atlanta, - : - Ga.

St. Louis, Jan. 15.	
Roses, Beauty, long.....per doz.,	4 00
Roses, Beauty, medium.....	8 00@15 00
Roses, Beauty, short stems.....	3 00@ 6 00
" Killarney.....	4 00@ 8 00
" My Maryland.....	3 00@ 8 00
" White Killarney.....	4 00@ 8 00
Carnations.....	1 50@ 2 50
Easter Lilies.....	10 00@12 50
Lilium Rubrum.....	8 00
Valley.....	4 00
Asparagus Sprenger.....	2 00@ 3 00
Asparagus Plumosus, per bu.,	35@60
Ferns, New, Fancv.....	1 75

CANTON, O.—Local florists expect a big sale of carnations McKinley day, January 29, although there has been a general shortage of stock of the martyred president's favorite flower this season owing to poor growing weather.

J. M. McCullough's Sons Co.,

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED

Special attention given to Shipping Orders

Jobbers of **FLORISTS' SUPPLIES,**
SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 4598.

Mention the American Florist when writing

C. E. CRITCHELL

34-36 Third Ave. East, CINCINNATI, OHIO.

Wholesale Commission Florist
Consignments Solicited

Complete Stock of Florists' Greens and Supply

Edward Reid

WHOLESALE FLORIST,

1619-21 Ranstead St., PHILADELPHIA, PA.

Orchids, Beauties, Valley, Tea Roses. The best on the market for the price. Every facility for rapid delivery

Pittsburgh Cut Flower Company

WHOLESALE GROWERS

121 Seventh Street,

PITTSBURGH, PA.

New York.

BUSINESS NOT ENCOURAGING.

The condition of business during the past week was not encouraging. It cannot be said that there was a great influx of stock to the wholesale district but there was enough to supply all demands and buying was light. Toward the last of the week there were not so many American Beauty roses on the market and prices advanced. At some wholesale places \$1.00 each was asked for special American Beauties but we do not believe that many sold for that price. Carnations keep accumulating and prices are down with prospects of going lower. Paper White narcissi are a drug and hard to move at \$1.00 a hundred. There is a fair movement in jonquils and tulips but the latter are very short. There has been much sloppy, rainy and generally disagreeable weather during the past week, which did not improve anybody's temper, not even the optimists'.

New York, January 13.—There is an active market today, particularly in American Beauty roses, which are scarce and advancing in price. Much of the tea rose stock arriving is poor color, but such as it is, the supply is ample. The ruling price for carnations is \$2 to \$4 per one hundred. A few specials and fancies, but not many, may be bringing \$5. Weather clear and cold and more favorable for business.

NOTES.

The death in Bermuda of Samuel Reisner was a very sad occurrence. It seems like the irony of fate that a comparatively young man should for years escape the innumerable dangers of the streets of New York and meet death in the streets of a place like Hamilton, Bermuda, widely advertised for its restful quietude.

The sudden death of James B. Kidd was a shock to many in the trade for it was not generally known that he had been ill.

Vaughan's Seed Store has been very busy the past 10 days with their extra bulb shipments, tuberose, gladiolus, etc. A. F. F.

New York Florists' Club.

The monthly meeting of the club was held in the Grand Opera house building on the night of January 13. The retiring president, Joseph A. Manda, made a graceful address in which he thanked the officers and members of the club for their support during his term of office. His address was greeted with deserved applause, for though he is modest and unassuming, it is well known that the club has had a great increase in its membership during his term of office.

The retiring president then introduced President Wm. H. Siebrecht, who spoke at length, his remarks being well received. He appointed committees as follows:

Essay Committee.—J. Austin Shaw; Leonard Barron; M. C. Ebel. Legislative committee.—Frank R. Pierson; Patrick O'Mara; Walter Sheridan. Exhibition committee.—John Miesem, Charles Schenck; Patrick J. Smith; A. Kakuda; Charles Weber. House and Entertainment committee.—Frank M. Duggan; Alex J. Guttman; Alfred E. Wheeler. Award committee.—Joseph A. Manda; John Donaldson; Wallace Pierson; A. L. Miller; Frank Traendly; Robert Simpson; I. S. Hendrickson. Dinner committee.—J. B. Nugent, Jr.; Alex. McConnell; Walter F. Sheridan; Thomas B. DeForest; Robert Koehne; Joseph Fenrich. Outing committee.—Philip F. Kessler; Victor Dorval; Henry Weston; A. Buckholtz; Louis Schmutz, Jr.; W. Phillips; Bert Chadwick; Roman Irwin; Anton Schultheis, Jr.; A. Demeusy, Jr.; H. C. Reidel; Paul Meconi.

John Donaldson, vice-president, was then introduced and spoke briefly, but to the point, pledging himself to do his utmost for the success of the club. Wm. C. Richards, treasurer, and John Young, secretary, were in turn called on and each in a few appropriate remarks, thanked the members for their renewed confidence. Those who had been proposed for membership at the December meeting were elected.

The awards committee having visited the range of J. D. Cockcroft, Northport, L. I., N. Y., to view his pink carnation Northport, reported \$6½ points and awarded a certificate of merit. From the Cottage Gardens, Queens, N. Y., viewing the white carnation Matchless, they reported 89 points with a certificate of merit.

The newly elected members that were present were introduced. It is so seldom that a retailer ever appears in the New York Florists' Club that we herewith give the remarks of Max Schling, one of the new members: "I am not an orator. I am really at a loss for the appropriate things to say, but will add that I have many friends here and hope to be a friend to all that I do not now know." He pledged himself to do his utmost for the good of the club.

Chas. H. Totty spoke for the National Flower Show. He is always able and interesting, but on this occasion he was eloquent. He made a stirring appeal for the show, saying that many thousands of dollars had already been invested in space in the Grand Central Palace and that he felt sure that the growers and the lovers of flowers throughout this great land would rally to the support of the enterprise.

Robert M. Schultz of Madison, N. J., a valued member of the club, who has been ill for sometime, was able to be present at the meeting and made an appropriate address.

Dailledouze Bros., Flatbush, N. Y., exhibited their carnation Enchantress Supreme. James D. Cockcroft, Northport, N. Y., exhibited his pink carnation Northport. Frank Niquet, Patchogue, N. Y., exhibited his carnation Improved Enchantress. The Cottage Gardens, Queens, N. Y., exhibited the white carnation Matchless. Scott Bros., Elmsford, N. Y., exhibited the red carnation Wm. Eccles and the pink carnation Lady Northcliffe. Traendly & Schenck, wholesalers of New York, with greenhouses at Rowayton, Conn., exhibited their carnation Salmon Beauty. A. F. F.

Philadelphia Florists' Club.

The January meeting of the Philadelphia Florists' Club was a good one. There was a banner attendance, nearly 100 members being present, and great interest was taken in the proceedings. Nine new associate members were elected, which is a great addition. The feature of the meeting was the paper of Chas. Henry Fox on "The Zeitgeist, or spirit of the times." This proved very interesting as live topics were handled without gloves and quite a number of good points were brought out. Mr. Fox was listened to with marked attention and judging from the liberal applause his opinions were heartily endorsed.

Wallace Pierson was present, and being called on to speak, said he was much pleased with the paper of Mr. Fox, particularly his ideas of general publicity for the flower business. He had been much interested in pushing this movement along but he regretted to say that he found it easier to get \$50 for a feed than \$5 for a publicity movement, it being very hard to impress quite intelligent men that this was a good thing for them to subscribe to. He spoke of the high prices at Christmas which were a mistake and

said that it was the business of all branches of the trade to keep them down. He hoped to get the Society of American Florists interested in floral publicity. A delegate from each florists' club who has the interest at heart would establish a country wide movement that would amount to something. He said that growers who force lily of the valley should get together here and protect themselves from the importers who had cornered the market and held prices or controlled the stock in such a way that the grower here could not handle his stock with any profit.

Walter Stokes said high prices at holidays were a mistake. The public resents the thought that they are being gouged. He endorsed the speaker in his efforts toward bringing the trade together for the general betterment of the business as one of the greatest pleasures of life was the mingling of men with their fellows.

Adolph Fahrenwald made a plea for higher prices at holidays to make up for the lean times at other seasons. He declared the retailers made the prices for ten months of the year and they ought to let the growers have their say for the other two. He complained of the little interest taken by the retail men in the florists' clubs and in movements for the good of the business.

Charles Grokelow said that prices at holidays and other times were regulated by supply and demand and could not be set arbitrarily. He objected strenuously to the wholesalers doing retail business, which he said was done quite extensively and to the detriment of the retail trade.

Ed. Reid was called for as the "white haired laird." He thought cooperation by the retail and wholesale men all right but each was looking after his own end of it. He did retail business when it came his way but he did not go after it, he said. He complained that the retail dealer did not carry stock enough and wanted to make too much profit. Dealers should go each day and inspect the stock, keeping in closer touch with the market, and not depend so much on the phone.

Mark Mills was much pleased with Mr. Fox's paper and hoped something would be done to help popularize the business with the people. With Mr. Reid he agreed that storekeepers should keep more stock and make a larger display and they would do more business. He thought special sales were a good thing and spoke of one dealer who had handled 7,000 daffodils from one advertisement.

Charles Meehan urged retailers to take chances in times of overproduction, carry larger stocks and take small profits. They had to retail at times to protect themselves but did not go out of their way to get it. There was no city in the country where the retail florists got such service from the wholesaler as he did in Philadelphia, but if it was not for the trade they had worked up outside of this city they could not continue in business.

Leo Niessen, referring to high prices, said that at holiday seasons they were always ready to meet their customers with prices 20 per cent lower for orders in advance. Orders booked ahead were a great help to them and it would pay retailers to take advantage of such a system, but they never could get any, or very few, of the city trade to look ahead in this way. The methods of the wholesale men in finding markets outside had built up the growers' business in this vicinity and incidentally gave the city retailers a better market to buy in. They could have sold every flower they had out of town at the holidays but held a lot for the local trade.

K.

PHILADELPHIA

NEW YORK

WASHINGTON

**S. S. Pennock-Meehan Co.**

WHOLESALE FLORISTS

109 West 28th Street, NEW YORK

Everything in Cut Flowers.

PERCY B. RIGBY, Treasurer.

Everything in supplies.

**Siebrecht & Siebrecht, Inc.**

WHOLESALE FLORISTS,

109 West 28th St., NEW YORK.

Phones 608-609 Madison Square.

Lily of the Valley, Gardenias, Orchids, Violets, a Specialty.

Pittsburg.

BUSINESS VERY GOOD.

Business has been very good during the past week, there being just enough stock to fill all of the orders, but much more could have been used. The weather has turned a little colder but it is always cloudy. Prices have been very good of late but are considerably lower than those of last week. Fine sweet peas are coming in. The most of them bring \$1 a hundred in the longer stems. Carnations are much better, the stems being much stronger than heretofore. Rubrum and calla lilies have appeared and prove popular. The roses all over town are very poor, especially the Killarneys, which are of a very poor light shade. This makes them very hard to sell. Valley has been very scarce the past week, but it is coming in a little stronger now. Yellow Trumpets are now in great quantity. The stock is fine, which makes them find ready sales. Gardenias are now arriving by the hundreds, but do not seem to sell well.

NOTES.

The Pittsburg Florists & Gardeners' Club met Tuesday evening at the Fort Pitt hotel with a very good exhibition of roses. There was a large gathering, this being election night.

Miss Louise Anderson is preparing for a trip to California following her resignation at R. J. Daschbach's, which will take effect next month.

The poor health of Mrs. J. B. Smith of McKeesport has made it necessary for her to go to Virginia, where it is hoped she will find renewed health.

Mrs. E. A. Williams had a large decoration at the Darlington ball. A large quantity of wild smilax was used with good effect.

The McCallum Co. is handling a fine grade of daffodils, which sell well. Also some good gardenias and cattleyas.

W. S. Kidd of Beaver was on the sick list last week, but from the latest reports is recovering.

The A. W. Smith Co. is receiving some fine Cattleya orchids from their plant at Canfield, O.

O. A. Leistner of Chicago stopped off on his way home from the east.

John Martin visited his home in Waynesburg Sunday.

Visitors: I. S. Crall, Monongahela; I. Rosnozki of Michell & Co., Philadelphia. E. J. M.

Cleveland.

ROSES ARE SCARCE.

There was a scarcity of short stock for funeral work, especially in Pink and White Killarney roses, the last week. American Beauties are not very plentiful and the quality also shows the effect of the dark, rainy weather. Richmond roses are in short supply. Carnations in this part of the country are not over-plentiful and are bringing a fair price. They clean up daily, although the price has dropped a trifle. Violets have been selling up very nicely, but these too have come down in price. Easter lilies are still scarce, and callas are used freely as a substitute. Valley is more plentiful and will be from now on. Orchids are to be had in limited quantities, both in white and lavender. Sweet peas are good stock, pink and white selling on sight. A few good poinsettias are still on the market with no

The Albany Cut Flower Exchange

Thos. Tracey, Manager, ALBANY, N. Y. Wholesale Only.

All seasonable Cut Flowers, Florists' Supplies and Green Goods furnished at short notice. We are sales agents for several large cut flower growers in this vicinity. We intend to make this city a distributing point, not only for the Florists in Albany, but also for those engaged in business in New York State, Vermont and Western Massachusetts. Orders will be promptly filled and at a reasonable market price. Save time and money by sending your orders to us. Telephone connection.

Mention the American Florist when writing

The Kervan Company

FRESH CUT EVERGREENS

and Mosses, Decorating Material for Florist Trade, at Wholesale.

TELEPHONES MADISON SQUARE 1519-5893

119 West 28th Street NEW YORK

Wholesale Flower Markets

NEW YORK Jan. 15.	Per 100
Roses, Beauty, special.....	50 00@75 00
" " extra and fancy.....	30 00@40 00
" " No. 1 and No. 2.....	2 00@10 00
" " Bride, Bridesmaid special.....	5 00@6 00
" " extra and fancy.....	3 00@5 00
" " No. 1 and No. 2.....	1 00@3 00
" " Killarney, My Maryland.....	6 00@10 00
" " extra and fancy.....	4 00@6 00
" " No. 1 and No. 2.....	1 00@3 00
" " Hillingdon, Aaron Ward.....	2 00@12 00
" " Richmond.....	5 00@15 00
" " Sunburst, special.....	6 00@10 00
" " Taft, special.....	15 00@20 00
" " Mrs. Geo. Shawyer, special.....	15 00@25 00
Carnations.....	2 00@4 00
Jonquils.....	2 00@4 00
Cattleyas.....	25 00@50 00
Gardenias.....	10 00@50 00
Lilies, Longiflorum and Harrisii.....	6 00@8 00
Lily of the Valley.....	2 00@4 00
Narcissus, Paper White.....	1 00@1 25
Sweet Peas, per doz, bunches.....	50@1 00
Violets.....	35@50
Adiantum Croweanum.....	15@50
Asparagus Plumosus, doz, bchs.....	1 50@3 00
Smilax.....per doz, strings.....	1 00@1 50

demand. Paper White narcissi and tulips are arriving in large supply. The Prosperpine tulips are too short in the stem, however, to be of much use. A little stevia still arrives. Growers generally are busy getting stock in shape for Easter, and unless the unexpected happens it will probably be cold and stormy, and the shipping of plants will be a gamble. C. F. B.

N. Y. and N. J. Plant Growers.

The fifth annual dinner of the New York and New Jersey Association of Plant Growers will be held Wednesday evening, January 23, 1913, at 6:30 p. m., at Louis Martin's, Broadway, between Forty-first and Forty-second streets, New York. The committee assures all of its guests, not only of the best dinner ever given by the association, but also of a first class entertainment for which the best music and vaudeville acts have been engaged. Private rooms have been engaged and full arrangements have been made for the comfort and convenience of guests. In order to facilitate the committee's work and so that proper arrangements can be made, each person is requested to immediately notify the secretary how many tickets are desired.

JULIUS ROEHR, JR.
HERMAN SCHOELZEL.
ALFRED L. ZELLER,
Dinner Committee.

Moore, Hentz & Nash,

WHOLESALE COMMISSION FLORISTS

55 and 57 West 26th Street,

Telephone No. 756
Madison Square,

NEW YORK

N. Lecakes & Co., Inc.

Wholesale Florists



Our Specialties—Ferns, Galax Leaves, Leucothoe Sprays, Princess Pines and Laurel Roping.

Phones 1415-1416 Madison Sq

53 W 28th St., bet. Broadway and Sixth Avenue, NEW YORK

Mention the American Florist when writing

N. Y. Cut Flower ExchangeCoogan Bldg., 6th Ave. & W. 26th St., New York
Open for Cut Flower Sales
at 6 o'clock every morning.

Desirable wall space to rent for advertising.

V. S. DORVAL, Secretary.

Mention the American Florist when writing

HORACE E. FROMENT

WHOLESALE COMMISSION

American Beauty Roses a specialty, Roses, Violets, Carnations, Valley, Lilies, Etc.

57 West 28th St., NEW YORK CITY

Telephones: 2200 and 2201 Madison Square.

WM. A. KESSLER

Successor to Kessler Bros.

113 W. 28th St., NEW YORK.

CUT FLOWERS

WHOLESALE PLANTSMEN AND FLORISTS

Phone 2336 Madison. Shipments Everywhere. Prompt and satisfactory. Consignments solicited.

Paul Meconi

Wholesale Florist

55-57 West 26th Street

NEW YORK CITY

Telephone: 3864 Madison Square

Rice's Record Goods Have the "Selling Punch"

We Have Anything You Want in Red.

M. RICE CO.

1220 Race Street

THE LEADING FLORISTS' SUPPLY HOUSE AND
RIBBON SPECIALISTS.

PHILADELPHIA, PA.

Landscape Gardening



PROF. CRAIG.

A course for Gardeners, Florists and Home-makers, taught by Prof. Craig and Prof. Beal of Cornell University.

Progressive Florists recognize the growing importance of a knowledge of Landscape Art. Gardeners who understand up-to-date methods and practice are in demand for the best positions.

A knowledge of Landscape Gardening is indispensable to those who would have the pleasantest homes.

250-page Catalog free. Write today.

The Home Correspondence School
Dept. A. F., Springfield, Mass.

Buffalo.

WEATHER UNFAVORABLE.

The last week was about as disagreeable as could be. Consequently the quality of the stock has not been what it should have been and the supply was none too good. Bulb stock is getting more plentiful.

NOTES.

The event of the week was a ball given by one of the city's most charming hostesses in honor of her grandson. The decorations were very elaborate and great credit is due Fred Kattol, the Linwood avenue florist, who carried out the work, in which American Beauties, orchids and Killarney roses were used, to good effect. Palms and specimen ferns were used in the banking, while asparagus was also used in profusion. The whole house was most beautifully decorated.

Cupid has again visited the flower stores. This time he captured one of our most popular maidens. Miss Eckert of Elmwood avenue filled all the New Year orders, walked out and returned a few days later, saying that she was now Mrs. Briggs. The best wishes of all are extended to the happy couple, who expect to make their future home on a farm.

It has been demonstrated that judicious advertising in the daily papers pays and the florists are as wise as any others. It is now a regular thing for several of them to take good generous spaces and they seem to be getting results. If you have anything to sell let the people know it. Write it so that it is attractive and they will come to you.

It is a treat to see S. A. Anderson's lilies. They are certainly in fine shape, just far enough advanced and perfect plants. Other plants in his greenhouse assure him of a plentiful stock for Easter.

Milton Shaefer, who has been with L. H. Neubeck for a year, is now taking a course in floriculture at Cornell University.

George Cramer, the only Monroe county birch bark artist, has finished his work in Buffalo and returned to Rochester.

The Holland bulb men are with us again, the first calling about 8 a. m., January 2, and others are coming daily.

Funeral work last week was very heavy, all florists having their share.

BISON.

Do Not Take Any Fake Green Thread. Use the Genuine Silkline and Get More Thread and Less Wood.



JOHN C. MEYER & CO.,

Lowell Thread Mills,
1495 Middlesex St.,

Lowell, Mass.

Silkline also is made in all leading colors, as Violet, for bunching violets, and also for tying fancy boxes

The MEYER Green

SILKLINE

Used by Retail Florists for mossing funeral designs, tying bunches, etc., is

The Only Article That Should Be Used

by growers for stringing Smilax and Asparagus, as it will not fade or rot in the greenhouse. The Meyer Silkline was the first green thread to be introduced among Florists and Growers. It is handled by the best houses everywhere, but it should be ordered by name - Meyer's Silkline - to be sure of getting the genuine article. Do not accept substitutes.

If your jobber cannot supply you, order direct of the manufacturers. Price for any size or color, \$1.25 per lb. Sizes "F" fine, "FF" medium, and "FFF" coarse.



FANCY FERNS, \$1.75 per 1000.

New Crop Galax, Bronze or Green.....\$1.25 per 1000. Case 10,000, \$7.50
Sphagnum Moss, large bales.....\$1.50
Wild Smilax, always on hand.....50-pound cases \$5.00
Leucothoe Sprays, Green.....\$1.00 per 100; \$7.50 per 1000
Boxwood.....per pound 20c; 50-pound case, \$7.50
Magnolia Leaves. Imported Green and Bronze, Basket, \$1.75; 6 baskets, \$1.50 each
Sheet Moss in Bags for Hanging Baskets, Large Bags.....\$2.00 each
Florists in the Middle and Western States can save money by placing their orders with us. A trial order solicited.

MICHIGAN CUT FLOWER EXCHANGE, Inc.,

Wholesale Commission Florists and Florists' Supplies.

38-40 Broadway,

All phone connections.

DETROIT, MICH.

ATTENTION RETAILERS! No Jobbers' Profit Added to These Prices. Direct from the Mountains to YOU.

	Per 1000	Per case		Per 1000	Per case
Green and Bronze Galax.....	50c	\$4.00..(10,000)	Green Leucothoe (Long)....	\$2.00	3.50..(2,000)
Dagger Fern.....	70c	3.25..(5,000)	Green Leucothoe (Short)...	1.00	1.75..(2,000)
Fancy Fern.....	65c	3.00..(5,000)	Rhododendron Leaves.....	50c	2.00..(5,000)

ELK GALAX & FERN COMPANY.

Terms Cash. Prompt Shipment. No orders too small to have our attention.

BEST REFERENCES. BANNERS ELK, N. C.

George Cotsonas & Co.

Wholesale and Retail Dealers
in all kinds of



Evergreens

Fancy and Dagger
Ferns, Bronze and
Green Galax, Holly,
Leucothoe Sprays,
Princess Pine, Etc.



Delivered to all parts of United States and Canada
127 W. 28th St., bet. 6th & 7th Av. New York
Telephone 1202 Madison Square.

Mention the American Florist when writing

We are now filling orders for

Southern Wild Smilax

Natural and Perpetuated Sheet
E. A. BEAVEN, Evergreen, Ala.

SOUTHERN WILD SMILAX

New crop now ready Satisfaction guaranteed.
JAS. E. PINKSTON, Louisville, Ala.
Mention the American Florist when writing

HARVEY, ILL.—Frank Piazza has just installed a Kroeschell hot water boiler and threaded tube piping system in his greenhouses. The plant was formerly heated by steam.

Live Sphagnum Moss

Finest stock in the country. Chunky, well fibered stems with large heads. Shipped only in barrels f.o.b. Walden, N. Y., at \$2.00 per bbl.

Trade List on Application.

The C. W. Brownell Company
Walden, N. Y.

HUCKLEBERRY

IN STANDARD SMILAX CASES, \$2.50

A most pleasing substitute for Green Wild Smilax New crop Fancy and Dagger Ferns now ready.

Write, wire or phone.

Caldwell the Woodsman Co.

Everything in Southern Evergreens.

EVERGREEN, ALABAMA.

CUT FERNS, Best Quality

1,000 at \$1.25,

2,000 at \$2 40,

5,000 or over \$1.10 per 1000

Robert Groves, 127 Commercial St. ADAMS, MASS.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below. the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Chicago.

Established in 1857.



739 Buckingham Place.

L. D. Phone, Graceland 1112.

Send us your retail orders.

WE HAVE THE BEST FACILITIES IN THE CITY

Mention the American Florist when writing



Mention the American Florist when writing

Brooklyn New York.

"WILSON"

3 and 5 Greene Ave., Phone 6800-01-02 Prospect.
339 to 347 Greene Ave., Phone 3908 Prospect.

Greenhouses: Short Hills, N. J.

Deliveries in—

NEW YORK, LONG ISLAND AND NEW JERSEY.

Terre Haute, Ind.

John G. Heini & Son,

129 South Seventh St.

Telephone 247

We are in position to fill promptly all Mail, Telephone, Telegraph and Cable orders with best quality stock in season

Buffalo, Niagara Falls, Lockport.

S. A. Anderson,

440 Main St., Buffalo, N. Y.

Mail, Telephone and Telegraph orders filled promptly with the choicest stock.

San Francisco, Calif.

J. B. BOLAND

Successor to Sievers & Boland

FLORIST

60 KEARNEY STREET

Mention the American Florist when writing

La Crosse, Wis.

LA CROSSE FLORAL CO.

BOTH PHONES No. 40

LONG DISTANCE No. 40

Careful Attention To All Orders.

Mention the American Florist when writing

Chicago.

A. LANGE,

25 E. MADISON ST.

Mention the American Florist when writing

Chicago. Des Moines.

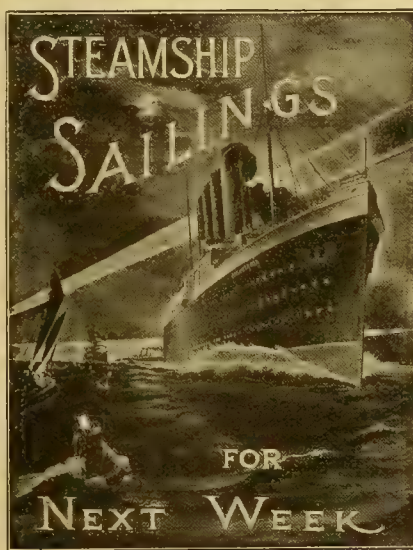
ALPHA FLORAL CO.

146 S. Wabash Ave., Chicago.

623 Walnut St., Des Moines, Ia.

Largest and most centrally located store in the city. All orders given prompt attention.

Mention the American Florist when writing



FROM NEW YORK EXCEPT AS NOTED.

January 18.

FROM HALIFAX, Grampian, Allan.
FROM PORTLAND, Ausonia, Cunard.
Franconia, Cunard.
Philadelphia, White Star, 9:30 a. m.
FROM PORTLAND, Canada, White Star Dom., 10 a. m.

Duca D'Aosta, Navigazione, Pier 64, North River.
FROM BALTIMORE, Chennitz, North Ger. Lloyd, 2 p. m.
Thames, Royal Mail, Pier 42, North River.

January 21.

FROM BOSTON, Ivernia, Cunard.
Cedric, White Star, 12 noon.
New Amsterdam, Holland-America, 10 a. m.
Kaiser Wilhelm II, North Ger. Lloyd, 10 a. m.

January 22.

Mauretania, Cunard.

January 23.

FROM PORTLAND, Corinthian, Allan.
La Provence, French, 10 a. m., Pier 57, North River.
Baltic, White Star, 12 noon.
K. Auguste Victoria, Ham.-Amer., 9 a. m.
C. F. Tietgen, Scand.-American, 2 p. m.

January 24.

FROM ST. JOHN, Tunisian, Allan.
FROM ST. JOHN, Steamship, Can.-Pacific, 12 noon.

January 25.

FROM HALIFAX, Tunisian, Allan.
Caledonia, Anchor, 10 a. m., Pier 64, North River.
FROM PHILADELPHIA, Merion, American, 10 a. m.
Majestic, White Star, 12 noon.
Czar, Russian-American, 12 noon.
Asiatic Prince, Prince.
Glenetive, Norton.

January 26.

FROM PHILADELPHIA, Prince Oskar, Ham.-Amer., 11 a. m.

Alexander McConnell,

611 FIFTH AVE., COR. 49TH STREET.

NEW YORK CITY.

TELEGRAPH Orders forwarded to any part of the United States, Canada and all principal cities in Europe. Orders transferred or entrusted by the trade to our selection for delivery on steamships or elsewhere receive special attention.

Reference or Cash must accompany all orders from unknown correspondents.

Cable address: ALEXCONNELL, Western Union Code.

New York City.

Frank Valentine

WHOLESALE AND RETAIL FLORIST

Also Manufacturer of ARTIFICIAL FLOWERS

158 EAST 110TH STREET

Bet. 3rd and Lexington Aves. Tel. 5633 Harlem

Young & Nugent

Telephone 2065-2066 Madison Square.

42 West 28th Street.

To out-of-town florists
We are in the Heart of NEW YORK

And give special attention to steamer and theater orders. Prompt delivery and best stock in the market.

Dallas, Texas.

The Texas Seed and Floral Company

Orders for cut flowers and designs solicited to delivery in any part of Texas.

Mention the American Florist when writing

Washington, D. C.

GEO. H. COOKE FLORIST

Connecticut Avenue and L Street

Mention the American Florist when writing

St. Paul, Minn.

L. L. MAY & CO.

Order Your Flowers for delivery in this section from the

LEADING FLORISTS OF THE NORTHWEST.

Mention the American Florist when writing

Kansas City, Mo.

Geo. M. Kellogg Flower & Plant Co.

1122 Grand Ave. Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gift, Pleasant Hill, Mo. that may be entrusted to them

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated, on Wire, Phone or Mail Orders.

New York.

Established 1874.

DARDS

N. E. Corner 44th St.
and Madison Ave.

Has his own correspondents in all the large cities of Europe and the British Colonies. Cable orders forwarded by private code. Telegraph and Cable Address, DARDSFLOR.

Member Florists' Telegraph Delivery.
Mention the American Florist when writing

St. Paul, Minn.

Holm & Olson,

20-22-24 West Fifth Street.

We fill orders for any place in the Twin Cities and for all points in the Northwest. The Largest Store in America; the largest stock; the greatest variety. Write, wire or phone. We are alive night and day.

Members Florists' Telegraph Delivery
Mention the American Florist when writing

Kansas City, Mo.

**WILLIAM L. ROCK
Flower Co.**

Will execute orders for any
town in
MISSOURI, KANSAS OR OKLAHOMA.
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Buffalo, N. Y.

W. J. Palmer & Son,
304 Main Street.

Members Florists' Telegraph Association.

Mention the American Florist when writing

Louisville, Ky.

JACOB SCHULZ,

550 South Fourth Avenue.

Members Florists' Telegraph Delivery

Mention the American Florist when writing

Atlanta, Ga.

Atlanta Floral Co.

41 Peachtree Street

Boston, Mass.

**"Penn, The Telegraph Florist"**

Member of Florists' Telegraph
Delivery Ass'n.

37-43 BROMFIELD STREET

Omaha, Neb.

**Hess & Swoboda
FLORISTS,**

1415 Farnum St.

TELEPHONES
1501 and L 1582

Notes of Washington, D. C.

During a few days of the past week spent at the national capital we saw many evidences of prosperity among the florists. The weather was very mild, sometimes rainy, which made heavy firing unnecessary. In the growing no less than in other lines of the business, the Washington florists have made great progress in the past few years. In fact, it seems that the District of Columbia might soon be able, if it chose, to declare independence of the rest of the country in the matter of an adequate supply of good flowers.

The business founded by the late J. R. Freeman is being successfully carried on by his sons and many good features are seen. There are in the District a number of growers who if not so well known to the outside world as those previously mentioned, nevertheless, grow good stock and are prosperous. Among these may be mentioned Theodore Dietrich, John Guttman and Robert Lacey.

Geo. C. Shaffer has just moved across Fourteenth street to a much better store than the one he vacated. It has a fine expanse of plate glass both on the Fourteenth and I street fronts. The interior is handsomely fitted up, the floor and counters are neat designs in tiling, and there is ample room for all purposes.

J. H. Small & Sons have a considerable glass area which is largely utilized for plant growing and forcing, their cut flowers being largely received from the New York market. Their new retail store on H street is one of the show places of that section of the city.

Turning to those who are exclusively retailers, we find them busy and prosperous. Geo. H. Cooke is always busy at this season with decorations for dinners and other social events, in which line of work he excels.

The ranges of the Washington Florist Co. and David Grillbortzer are located at Alexandria, Va., but their stock is sold in Washington, the former company having a fine retail store.

F. H. Kramer is another grower whose activities are noteworthy. He always has a good supply of stock from his own range and his retail store is a busy place.

Alexander B. Garden, the original native born florist of the District, keeps increasing his output of good roses and carnations, as well as numerous other stocks.

We found Z. D. Blackstone very busy. In fact, his store is literally a "busy corner." It is well located for drawing business.

A. F. F.

Detroit, Mich.

John Breitmeyer's Sons

Corner Broadway and Gratiot Avenues.

Artistic Designs.
High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Members of Florists' Telegraph Delivery
Mention the American Florist when writing

**WASHINGTON
D. C.****Gude's**

Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Kansas City, Mo.

Samuel Murray,

913 Grand Avenue

All Orders Given Prompt and Careful Attention

Members of the Florists' Telegraph Delivery.

Indianapolis, Ind.

**Bertermann Bros. Co.
FLORISTS**

241 Massachusetts Avenue.

Members of the Florists' Telegraph Delivery

Mention the American Florist when writing

Denver, Colo.

**The Park
Floral Co.**J. A. VALENTINE,
President.

Members Florists' Telegraph Delivery.

FLOWERS BY TELEGRAPH

SAN FRANCISCO

CALIFORNIA

**PELICANO, ROSSI & CO.,
123 KEARNY ST.**

Poughkeepsie, N. Y.

"The Saltford Flower Shop."

Vassar College and Bennett School.

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Philadelphia.

Robert Kift,

1725 Chestnut St.

Personal Attention to all Orders.
Mention the American Florist when writing

M. C. Bowe

IN THE HEART OF NEW YORK CITY
Phone 6404 Madison Sq. 6 East 33d St.
Our Motto—THE GOLDEN RULE.

Mention the American Florist when writing

Dayton, O.

Matthews,

—FLORISTS—

16 W. Third Street

Flowers in any arrangement for all occasions,
for Dayton and vicinity. Long dis. Phones.
Mention the American Florist when writing

Pittsburg, Pa.

A. W. Smith Co.

KEENAN BLDG.

Largest Floral Establishment in America.
Established 1874. Incorporated 1909.

Mention the American Florist when writing

Denver, Colo.

FLORAL DESIGNS AND FLOWERS

Best Quality on Shortest Notice.

DANIELS & FISHER

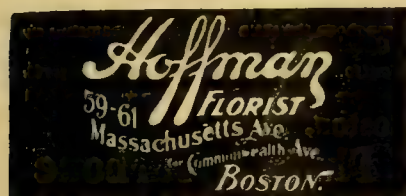
Order by mail, telephone, telegraph or
cable. Cable address "Daniels, Denver"

Mention the American Florist when writing

THE J. M. GASSER COMPANY,

CLEVELAND

EUCLID AVENUE



Montreal

McKenna

Cor. St. Catherine and Guy Sts.

All orders receive prompt attention. Choice
Beauties, Orchids and Valley always on hand.

Boston, Mass.

Send flower orders for delivery in

**Boston and all
New England Points**

To **THOS. F. GALVIN, Inc.,**
124 TREMONT ST.

Los Angeles, Calif.

**Wolfskill Bros. and
Morris Goldenson**

Cut Flower Merchants

We solicit telegraph orders. Regular trade disc.
229 WEST THIRD STREET.

**City Index to Retail Florists'
Filling Telegraph Orders.**

Albany, N. Y.—Eyes, 11 N. Pearl St.
Amsterdam, N. Y.—Hatcher, Florist.
Anderson, S. C.—The Anderson Floral Co.
Atlanta, Ga.—Atlanta Floral Co., 41 Peachtree.
Birmingham, Ala.—John L. Parker.
Boston—Phillip L. Carbone.
Boston—Thos. F. Galvin, Inc., 124 Tremont St.
Boston—Hoffman, 59-61 Mass. Ave.
Boston—Penn, the Florist, 43 Bromfield St.
Brooklyn, N. Y.—"Wilson," 3 and 5 Greene.
Buffalo, N. Y.—S. A. Anderson, 440 Main.
Buffalo, N. Y.—W. J. Palmer & Son, 304 Main.
Chicago—Alpha Floral Co.
Chicago—Mangel, 17 E. Monroe St.
Chicago—A. Lange, 25 E. Madison St.
Chicago—Schiller The Florist, 2221 W. Madison.
Chicago—Geo. Wittbold Co., 737 Buckingham Pl.
Chicago—Wittbold's, 56 E. Randolph.
Cleveland, O.—Bramley & Son.
Cleveland, O.—The Cleveland Cut Flower Co.
Cleveland, O.—The J. M. Gasser Co.
Dallas, Tex.—Texas Seed and Floral Co.
Dayton, O.—Matthews, 16 W. 3rd St.
Denver, Colo.—The Park Floral Co.
Des Moines, Ia.—Alpha Floral Co.
Detroit, Mich.—John Breitmeyer's Sons.
Grand Rapids, Mich.—Grand Rapids Floral Co.
Grand Rapids, Mich.—Henry Smith.
Indianapolis—Bertermann Bros. Co., 214 Mass.
Kansas City—Geo. M. Kellogg, F. & P. Co.
Kansas City—Samuel Murray.
Kansas City—Wm. L. Rock Flower Co.
La Crosse, Wis.—La Crosse Floral Co.
Little Rock, Ark.—Vestals, 409 Main St.
Los Angeles, Calif.—O. C. Saakes.
Los Angeles—Wolfskill Bros. & M. Goldenson.
Louisville, Ky.—Jacob Schulz, 550 4th Ave.
Louisville, Ky.—F. Walker & Co., 634 4th Ave.
Milwaukee—C. C. Pollworth Co.
Montreal—McKenna.
Nashville, Tenn.—Geny Bros.
Newark, N. J.—Begerow's.
Newark, Ohio—Chas. A. Duerr.
New Orleans, La.—Uriah J. Virgin.
New York—M. A. Bowe.
New York—D. Clark's Sons, 2139 Broadway.
New York—Dard's, 44th and Madison Ave.
New York—Alex. McConnell, 611 5th Ave.
New York—Myer, Florist, 609 Madison Ave.
New York—Max Schling, 22 W. 59th St.
New York—Frank Valentine, 158 E. 110th.
New York—Young and Nugent.
Omaha, Neb.—Hess & Swoboda, Farnum St.
Philadelphia—Robert Kift, 1725 Chestnut.
Pittsburg, Pa.—A. W. Smith Co., Keenan Bldg.
Pittsburg—Mrs. E. A. Williams.
Poughkeepsie, N. Y.—The Saltford Flower Shop.
Rochester, N. Y.—J. B. Keller's Sons.
Schenectady, N. Y.—Hatcher, Florist.
Seattle, Wash.—L. W. McCoy, 912 3rd Ave.
St. Paul, Minn.—Holm & Olson.
St. Paul, Minn.—L. L. May & Co.
San Francisco—J. B. Boland, 60 Kearney St.
San Francisco—Pellicano, Rossi & Co.
San Francisco—Podesta & Baldocchi.
Sedalia, Mo.—Archias Floral Co.
Terre Haute, Ind.—J. G. Heintz & Son.
Toledo, O.—Mrs. J. B. Freeman.
Toronto, Can.—Dunlop's, 96 Yonge St.
Washington—Blackstone.
Washington—Geo. H. Cooke, Conn. Ave. and L.
Washington—Gude Bros.
Washington—Geo. C. Shaffer, 14th and I Sts.

New York.

Established 1849

David Clarke's Sons

FLORAL DECORATORS

2139-2141 Broadway,

Telephones: 1552-1553 Columbus Choice Cut Flowers.

SAN FRANCISCO

Podesta & Baldocchi

224-226 Grant Avenue

Prompt and careful attention to
orders from out-of-town florists.

Los Angeles, Calif.

O. C. SAAKES

FLORIST,

Prompt and careful attention to orders from out-
of-town florists. Trade discount.

215 West Fourth Street.

Cleveland, O.

**The Cleveland Cut
Flower Co.**

Will fill your orders for designs and cut flowers in
NORTHERN OHIO.

Washington, D. C.

Geo. C. Shaffer

: : FLORIST : :

Phone 2416 Main, 14th & Eye Sta., N. W

Write, Telegraph or Telephone.

Albany, N. Y.

EYRES,

Flowers or Design Work.

Delivered in Albany and vicinity on
telegraphic order.

11 NORTH PEARL STREET.

Toronto, Can.

Canada's best known and most reliable florist

Only the Best **Dunlop's**
96 Yonge Street.

We deliver anywhere in Canada and guarantee
safe arrival.

Milwaukee, Wis.

C. C. Pollworth Co.

Will take proper care of your orders in **Wisconsin**

Michigan.

Orders will be carefully
cared for by

HENRY SMITH,

Wholesale and Retail Florist of GRAND RAPIDS

Grand Rapids, Mich.

GRAND RAPIDS FLORAL CO.

ALFRED HANNAH & SONS Will fill your
orders for Designs and Cut Flowers in Michigan

DESIGNS OR CUT FLOWERS

Will be delivered for the trade in other cities, by the firms below, the Leading Retailers in the cities indicated on Wire, Phone or Mail Orders.

Send your orders for Chicago and Suburbs to



All orders carefully filled under the supervision of
GEORGE ASMUS, Mgr.
Wire, Write or Phone West 822
Member Florists' Telegraph Delivery.

Mention the American Florist when writing

Rochester, N. Y.

J. B. KELLER SONS,
FLORISTS
25 Clinton Avenue, N.

Rochester Phone 506. Long Dist. Bell Phone 2189
Members Florists' Telegraph Delivery.

Mention the American Florist when writing

Cleveland, O., and Vicinity.

Bramley & Son
1181 E. 71st St.

The Largest Growers of Flowers in City.

Mention the American Florist when writing

Little Rock, Ark.

VESTALS
PAUL M. PALEZ, Mgr.
409 MAIN STREET.

All orders carefully filled and delivered to all parts of the city, Arkansas and the Southwest.

Toledo, O.

Mrs. J. B. Freeman

(Successor to Geo. A. Heini)

336 Superior St., Toledo, O.

Both Phones, 527.

Special attention to Mail and Telegraph Orders

Seattle, Wash.

L.W. McCOY, Florist
912 3rd Ave.

Grower, Wholesaler and Retailer.

Careful and prompt attention given to orders for Alaska, Washington and Oregon.

Nashville, Tenn.

Geny Bros. FLORISTS

212 Fifth Ave. No.

NASHVILLE, TENN.

New York.

MYER, FLORIST, 609-611 Madison Ave.
Phone 5297 Plaza.

Max Schling

NEW YORK

No. 22 West 59th Street
Adjoining Plaza Hotel

Sedalia, Missouri

Archias Floral Co.

Choice Cut Flowers and Designs on short notice.
Prompt attention to telegraph and telephone orders.

Newark, Ohio.

CHAS. A. DUERR.

Member of Florists' Telegraph Delivery.

Westchester and Fairfield Hort. Society.

The regular monthly meeting of this society was held in Doran's Hall, Greenwich, January 10, President Robt. Williamson in the chair. Judging by the number of members present and the excellent financial standing of the society we are looking forward to a very prosperous year. A noticeable feature of the meeting was the large number of splendid exhibits staged, which received awards as follows: Geo. E. Baldwin Co., special mention for a well grown plant of white Cattleya trianae, and cultural certificate for a collection of fine flowered Cattleyas trianae of good type. James Aitchison, honorable mention for well grown plants of Primula malacoides. Robt. Williamson, honorable mention for fine specimen Begonia Gloire de Lorraine and cultural certificate for the now seldom seen Plumbago coccinea. James Stuart, honorable mention for well flowered spikes of Calanthe Veitchii and Euphorbia jacquiniæ-flora. P. W. Popp, highly commended for carnation yellow sport of Mrs. C. W. Ward. Thos. Ryan, highly commended for mixed vase of carnations and vote of thanks for well grown plants of Lilium Harrisii in 4-inch pots. E. Johnson, vote of thanks for mixed vase of carnations. A. L. Marshall, vote of thanks for mixed vase of carnations. Wm. Sealey, honorable mention for vase of mignonette. William Smith, vote of thanks for Primula malacoides. Robt. Williamson, vote of thanks for Primula malacoides. A. E. Townsend, vote of thanks for carnations and gardenias. Scott Bros., Elmsford, N. Y., vote of thanks for carnations Lady Northcliffe and British Triumph.

We are promised an educational treat at our next meeting in an illustrated lecture on the International Exhibition, London, 1912, to be delivered by Harry A. Bunyard of New York. It is requested that every member make a special effort to be present, as we feel sure the lecture will prove of benefit to all concerned. Other important business to be taken up is the location of the summer and fall shows. Among the visitors present were: Maurice Fuld, representative of Henry F. Michell Co., Philadelphia, Pa., who addressed the meeting with a few well chosen remarks. Joseph Manda, Orange, N. J., and William Scott of Scott Bros., Elmsford, N. Y., were also visitors.

OWEN A. HUNWICK, Sec'y.

SAN DIEGO, CALIF.—Miss A. M. Rainford has moved her flower store across the street from the old location. The new number is 1117 Fourth street.

Schenectady, N. Y.

Amsterdam, N. Y.

Hatcher

Established 1877.

All mail, telephone and telegraph orders for delivery in Schenectady, Amsterdam and vicinity should be sent to

HATCHER, Florist, Amsterdam, N. Y.

Mention the American Florist when writing

Louisville, Ky.

F. Walker & Co.,
FLORISTS

Phones: Home 1388. Cumb. Main 1385A.

634 Fourth Avenue

Mention the American Florist when writing

New Orleans

CUT FLOWERS

Delivered for Louisiana, Mississippi, Alabama and Texas.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838—CANAL ST.

Mention the American Florist when writing

Washington, D. C.

Blackstone

14th and N. Street.

Mention the American Florist when writing

Newark, N. J.

Begerow's

946 Broad Street.

Fresh Flowers and Best Service. Deliveries throughout the state and to all steamship docks in Hoboken, N. J., and New York.

Mention the American Florist when writing

Boston, Mass.

Philip L. Carbone

IMPORTER, FLORIST, AND DECORATOR

342 Boylston Street,

Telephone Connections

Member of the Florists' Telegraph Delivery.

Mention the American Florist when writing

Rockford, Ill.

H. W. BUCKBEE.

Member of the Florists' Telegraph Delivery

Better Understanding

Of our firm, its products, and its methods of doing business means to you, the buyer, Better Service, Better Goods, and Better Satisfaction. Our aim is to produce quality in quantity at reasonable prices.

Better business to us means better employees and to them a better living. We guarantee that you get 100 per cent of what you order in a quality that will be satisfactory to you as a buyer and to us as producers.

Selling job lots at low prices is not a business and there is no standard of quality in job lot buying. From us you get a guaranteed quality at a price fair to the buyer and at which there is a reasonable profit and an insurance against damage in transit. Our goods are insured to you against loss. Producing young stock is a business and job lots at low prices are left-overs and culls.

**Our Catalogue of ROSES, CARNATIONS, CHRYSANTHEMUMS
and BEDDING STOCK is yours for the asking.**

A. N. PIERSON CO., Inc.

CROMWELL, CONN.

JOSEPH HEACOCK COMPANY'S PALMS & FERNS

Home-Grown, Well Established, Strong and Healthy.

Kentia Belmoreana.					Phoenix Roebelenii.				
Pot	Leaves	In. high.	Each	Doz.	Pot	Leaves	In. high	Each	Doz.
2½-in.	4	8 to 10.....		\$ 1 50	5-in.,	nicely characterized		\$1 00	
3-in.	5	12.....		2 00	6-in.,	18 to 20-in. spread.....		1 50	
4-in.	5	15.....	\$ 0 35	4 00	Cedar tub	High	Spread	Each	
5-in.	6 to 7	18.....	50	6 00	7-in	18-in.	24-in.....	\$2 00	
6-in.	6 to 7	24.....	1 00	12 00	Cedar	Cibotium Schiedel.		Each	
6-in.	6 to 7	26 in. high.	1 25	15 00	tub	Spread			
6-in.	6 to 7	28 to 30....	1 50	18 00	7-in.	2 to 2½ feet.....		\$2 00	
Cedar	Leaves	In. high.	Each	Doz.	9-in.	4 feet.....		4 00	
7-in.	6 to 7	34 to 36....	2 50	30 00	9-in.	5 feet.....		5 00	
9-in.	6 to 7	40 to 45....	4 00	48 00	12-in.	6 to 8 feet.....		8 00	
Cedar Kentia Forsteriana—Made up.									
Cedar tub	Plants	In. high	Each	Doz.					
7-in.	4	30.....	2 00	24 00					
9-in.	4	42 to 48....	5 00	60 00					
9-in.	4	48 to 54....	6 00						
9-in.	4	5 ft.....	7 50						
12-in.	4	5½ to 6½ ft....	15 00						

We are growing all our Kentias above 6-inch size in neat Cedar Tubs, made especially for us, with electric wire hoops and painted green. These tubs cost several times the price of pots, but we sell the plants at the same price as though grown in pots. The buyer has the advantage of receiving his plants without breakage of pots and in handsome tubs in which they have become well established and in which they will continue to do better than in pots.

When in Philadelphia be sure to look us up.

We are easily reached—only 25 minutes from Reading Terminal, 12th and Market Streets, Philadelphia. We have fine train service—fifty trains each way every week day—so you can suit your convenience, both going and coming. Then you will see our Palms of all sizes, from 2½-inch pots to 12 inch tubs. We are strong on Decorative Palms, in 7-inch 9-inch and 12 inch tubs (made-up or single plants), which we can supply in any quantity. All our Palms are home-grown (not an imported plant on the place), and well established in the tubs. They are strong and healthy.

With increased glass devoted to our Palms, our stock is much larger than ever before and never in better condition.

JOSEPH HEACOCK CO.,

Wyncote, Pa.

**Railway Station,
Jenkintown.**

Carnation and Verbena Cuttings

**Rooted and Ready
for Shipment Now**

For Varieties and Prices send for
CIRCULARS.

J. L. DILLON
BLOOMSBURG, PENNSYLVANIA

New American Beauty GERANIUM

WE take great pleasure in introducing to our many customers for 1913 our New American Beauty Geranium for the first. After working on it for nearly three years, we are offering it for sale. Our claim for American Beauty Geranium is that it surpasses all other Geraniums in its real American Beauty color; the individual blooms measure 2¼ inches across. It is semi double medium dwarf of stately shape. It has come to stay as a money maker. Prices to the trade, 2½-inch pots, 50 cents each; \$5.00 per doz. 3-inch pots, \$1.00 each; \$10.00 per doz. cash.

Write for circulars in natural colors and prices on large lots.

JOHN BAUSCHER, Jr.
Arcade Addition
FREEPORT, ILL.

The Seed Trade.

American Seed Trade Association.

Chas. N. Page, Des Moines, Ia., President;
Harry L. Holmes, Harrisburg, Pa., First
Vice-President; Arthur B. Clark, Milford,
Conn., Second Vice-President; C. E. Kendel,
Cleveland, O., Secretary and Treasurer;
J. M. Ford, Ravenna, O., Assistant Secretary.
Next annual convention, June, 1913.

ALBERT DICKINSON and wife, of Chicago, are in Florida for the winter.

VENTURA, CALIF., January 6.—No rains have yet fallen here to put the land in shape for seed sowing.

NEW contract pea prices show slight reduction from last year; the bean prices have been slightly advanced.

GRAND RAPIDS, MICH.—The Jones Seed Co., formerly the L. F. Jones Seed Co., has filed articles of incorporation; capital, \$12,000.

LOUISVILLE, KY.—It is reported that C. F. Wood, of Wood, Stubbs & Co., has sold out his interest to his partners, who will continue.

JAMES B. KIDD, horticultural expert at the United States appraisers' stores, New York, and well known to seedsmen throughout the country, died suddenly January 10. See obituary notice elsewhere in this issue.

ZANESVILLE, O.—The Imlay Co. of this city has incorporated to deal in seeds and nursery stock. The company is capitalized at \$20,000 and the incorporators are John D. Imlay, Hugh A. Imlay, Wm. S. Imlay, Manning Imlay and John R. Stonesipher.

THE annual convention of the National Canners' Association will be held at Louisville, Ky., February 10-15, inclusive, with headquarters at the Seelback hotel. Machinery hall has been reserved for the great exhibition to be held in connection with this meeting.

CINCINNATI, O.—Some of the seedsmen here are having trouble with water in their warehouses, compelling them to move their stocks from the lower floors. The river appears to be at a stand but it is thought the trouble from this source will not continue more than a few days.

GEO. C. WATSON sees demoralization of values in Burpee's new 2-cent seed packets; George says seed prices in America are already much too low. It is not many years since eastern catalogue seedsmen, Mr. Burpee among them, were making frantic protests against the 3-cent packets offered by some of the western mail-order seedsmen. While the Burpee 2-cent packets are offered as children's size, yet he sells 25 regular packets for \$1, four cents each.

FRENCH BULBS.—A letter from the south of France, dated January 3, advises that French Roman hyacinths have not yet commenced to flower and nothing can be said about what the harvest will be. Up to the present time the winter has been dry and cold and there is no probability that the crop will be other than normal, but as the planting stock was reduced by liberal sales of the 10 to 11-centimeter bulbs last August, it is probable that there will not be so many of the larger grades of hyacinth bulbs harvested the coming season.

Tariff Hearings.

Washington, D. C., January 13.—The ways and means committee of the House of Representatives having tariff matters under consideration have set January 20 as date for hearings on agricultural schedule section G, which includes seeds, bulbs and plants. The hearings on this schedule will commence Monday, January 20, and if there are enough witnesses here to occupy two days they will continue through Tuesday, January 21. It will be necessary to get opinions before the committee on one of those two days. The hearings will close Tuesday night.

Bids For Congressional Seeds.

Bids for furnishing seeds for the 1913-14 congressional distribution were opened January 7 at the Department of Agriculture in the office of Dr. C. C. Clark, chief clerk of the department and chairman of the board of awards. A number of seedsmen and their representatives were present, including J. S. Michael, of the Sioux City Seed & Nursery Co., Sioux City, Ia. F. H. Woodruff, of Milford, Conn., F. H. Hunter, representing Waldo Rohnert, Gilroy, Calif., and Colladay, representing Joseph Breck & Sons, Boston, Mass. Before the bids were opened the chairman announced that seedsmen and their representatives would be permitted to examine any or all of the bids. There were 85 sealed proposals submitted, which is the largest number received in recent years. Each section of the country was well represented, including the principal seed houses and growers of New York, Connecticut and Massachusetts; Chicago and Minneapolis; Sioux City, Ia., Nebraska and Kansas; the Rocky Ford district; Oklahoma, Texas and the Pacific coast. Among the larger bidders were the Jerome B. Rice Seed Co., Cambridge, N. Y., Joseph Breck & Sons, Boston, Mass., Vaughan's Seed Store, Chicago, Northrup, King & Co., Minneapolis, Minn., the Sioux City Seed & Nursery Co., Sioux City, Ia., J. C. Robinson, Waterloo, Neb., C. C. Morse & Co., San Francisco, Calif., and Waldo Rohnert, Gilroy, Calif. Among the foreign firms who submitted bids were the Vilmorin-Andrieux Co.,

of Paris, France, and Carter Dunnett & Beale, of London, England.

A hasty examination of the bids indicates that larger quantities of surplus stocks were offered this year than formerly, especially of such items as vine-seeds, garden beet, corn and onion. Surplus parsley, turnip, carrot, collards, brussels sprouts and sweet peas are comparatively short. Normal quantities of other items appear to be carried in stock. Large acreages for 1913 contracts were offered.

Prices quoted are about as follows:

	Surplus.	Contract.
Peas	\$2.75 to \$7.00	\$2.24 to \$6.00
Garden beet	.15 to .40	.12 to .35
Beans	2.40 to 4.50	2.60 to 5.00
Carrot	.12½ to .55	.17½ to .30
Sweet corn	1.40 to 2.25	1.25 to 2.25
Cucumber	.19½ to .26	.22 to .28
Muskmelon	.12 to .28	.12½ to .25
Lettuce	.15 to .17	.12½ to .48
Onion	.20 to 1.00	.40 to 1.10
Radish	.19 to .19	.09 to .17
Watermelon (unlimited quantities)	.09 to .14	.10 to .16
Sweet peas		.13 to .28

Parcels Post Premium on Lying.

The first job to be undertaken by Congressman-elect Geo. J. Kindel will be to eliminate the jokers from the parcels post law. Kindel declares that the government needs somebody to keep it from making a monkey of itself. "The new law states that if seeds are to be planted they can be sent anywhere in the Denver zone for 88 cents for 11 pounds," said Kindel. "If they are to be eaten, they can be sent for 15 cents. This places a premium of 73 cents on lying to anyone who wants to evade the law. These same seeds can be sent to Augusta, Me., for 88 cents by this fool law if they are to be planted, while if for eating purposes the cost will be \$1.32."—Denver Express.

Established 1810.

Denaiffe & Son,

CARIGNAN, NORTHERN FRANCE,
Growers on Contract
Highest Grade Seeds.

Specialties: Beet, Cabbage, Carrot, Celery, Lettuce, Onion, Parsley, Radish, Rutabaga, Turnip.
Sole Agent for U. S. and Canada,
CHARLES JOHNSON, Marietta, Pa.

Peas and Beans

GROWERS
Importers and Exporters
Alfred J. Brown Seed Co.,
Grand Rapids, Mich.

Pieters-Wheeler Seed Company

Growers of
High Grade
SEED
Palo Alto,
California.



Onion,
Lettuce,
Radish,
Sweet Peas,
Etc.
Correspondence
Solicited

BRASLAN SEED GROWERS COMPANY, INC.

Growing ONION, LETTUCE, CARROT and RADISH San Jose, California

J. W. EDMUNDSON, Manager

M. W. WILLIAMS, Secretary

California Seed Growers Association, Inc.

Growers for Wholesale Dealers
SAN JOSE, CALIFORNIA

CARROT, LETTUCE, ONION, RADISH, BEET, SWEET PEAS

The "Spencer" Type of Sweet Peas

Burpee's Unequaled List for 1913,—Arranged Alphabetically. Choicest Re-selected Stocks Grown on "Floradale Farm."



Spencer Sweet Peas are a great specialty with us! We were the first to grow the seed in America—the stock having been entrusted to us before introduction, even in England, of the original **Countess Spencer**. We have grown "the original Beauty" and its many "sportive" children with painstaking care each season since. There are but few other growers,—either in England or America,—who can supply an equal assortment of the True RE-SELECTED "SPENCERS" that are uniformly of such choice quality. Seedsmen and planters generally can see how superior our stocks now are by the trials at FORDHOOK FARMS next June or July, while those who may be in California are invited also to inspect the growing crops at our FLORADALE FARM in the beautiful Lompoc Valley. Every planter's garden, however, is really a trial ground and we shall be quite content if any "Doubting Thomas" will send us only a portion of his order and note the difference in character of flowers produced!

	Per pkt.	Per oz.	Per ¼ lb.	Per lb.
3402 Afterglow. Per pkt. of eight seeds, 15 cts.	\$0 25			
3406 America Spencer. Red flakes on white ground.	10	\$0 30	\$0 85	\$3 00
3408 Apple Blossom Spencer (Burpee's). Rose and pink.	10	30	85	3 00
3410 Arthur Green. Maroon shaded violet.	10			
3412 Asta Ohn. A charming soft lavender.	10	40	1 50	
3414 Aurora Spencer (Burpee's). Cream mottled orange.	10	25	75	2 50
3416 Barbara. A large salmon self.	10			
3418 Beatrice Spencer. White ground, tinted pink and buff.	10	20	60	2 25
3422 Blanche Ferry Spencer. Rose standard, white wings.	10	40	1 50	
3428 Captivation Spencer (Burpee's). Rosy wine red.	10	35		
3430 Charles Foster. Combination of pastel shades.	15			
3432 Charm (Burpee's). Per pkt. of twenty seeds, 15 cts.	25			
3434 Constance Oliver. Delicate pink, suffused cream.	10	30	35	3 00
3438 Countess Spencer. A soft rose-pink.	10	20	60	2 25
3440 Dainty Spencer (Burpee's). White, edged with rose.	10	30	85	3 00
3442 Decorator (Burpee's). Per pkt. of ten seeds, 15 cts.	25			
3443 Duplex Crimson King. Scarlet self. (See pages 126 and 128).	10	50		
3444 Duplex Spencer. Beautiful cream-pink. (See page 125).	15	65		
3445 Duplex Mary Garden. Buff-pink. (See pages 126 and 128).	10	50		
3446 Earl Spencer. Brilliant salmon-orange.	15			
3450 Elfrida Pearson. Light pink. Pkt. (twenty seeds), 15 cts.	25			
3454 Ethel Roosevelt (Burpee's). Pink flakings on cream ground.	10	35	1 00	3 50
3458 Flora Norton Spencer. A beautiful shade of lavender.	10	40	1 50	
3460 Florence Morse Spencer. Beautiful light pink.	10	30	85	3 00
3462 Florence Nightingale (Burpee's). Best lavender Spencer.	10	40	1 50	
3470 Gaiety Spencer. White striped with rose-crimson.	10	40	1 50	
3472 George Herbert. Bright rosy-carmine.	10	20	60	2 25
3476 Gladys Burt. Salmon-pink on primrose ground.	10	35	1 00	3 75
3480 Helen Lewis. Standard orange; wings orange-rose.	10	30	85	3 50
3482 Helen Pierce Spencer. White mottled blue.	15			
3486 Irish Belle, or "Dream" (Burpee's). Lilac flushed pink.	15	65		
3487 Isobel Malcolm. A beautiful cream color.	10	45		
3488 King Edward Spencer (Burpee's). Carmine-scarlet.	10	25	75	2 50
3500 Margaret Madison. A beautiful clear azure-blue.	15			
3502 Marie Corelli (Burpee's). Brilliant rose-carmine.	10	65	2 25	
3506 Martha Washington. White suffused light rose.	10	25	75	2 75
3510 May Campbell. Per pkt. of eight seeds, 15 cts.	25			
3511 Melba. A salmon self.	10			
3514 Mercia. Buff-pink on cream ground.	10			
3516 Mrs. A. Ireland. Buff ground suffused rose.	10	30	85	3 00
3518 Mrs. Cuthbertson. Standard rose, wings pale rose.	10			
3520 Mrs. C. W. Breamore. Buff ground, edged with pink.	10	25	75	2 50
3522 Mrs. Heslington. Lavender, lightly flushed rose pink.	10			
3524 Mrs. Hugh Dickson. Pink-apricot on cream ground.	10	30	85	3 25
3528 Mrs. Rutzahn (Burpee's). An apricot pink.	10	35	1 00	3 75
3530 Mrs. Townsend. White with picotee edge of blue.	10			
3532 Mrs. W. J. Unwin. White flaked with orange-scarlet.	10	65		
3534 Nubian. Beautiful maroon.	10	65		
3539 Orchid (Burpee's). Per pkt. of six seeds, 15 cts.	25			
3542 Othello Spencer (Burpee's). Rich deep maroon.	10	30	85	3 00
3543 Pearl Gray Spencer. Dove gray suffused rose.	15			
3545 Primrose Spencer (Burpee's). Crop very short.	10	40	1 35	5 00
3551 Purple Prince Spencer (Burpee's).	10	30	85	3 00
3554 Queen Victoria Spencer (Burpee's). A rosy primrose.	10	40	1 10	4 00
3561 Rainbow Spencer. Ivory white streaked with rose.	15			
3570 Scarlet Emperor. A dark shade of scarlet.	15			
3571 Scarlet Empress. A beautiful scarlet.	10	65	2 25	
3572 Senator Spencer (Burpee's). Heliotrope striped with claret.	10	30	85	3 00
3575 Stirling Stent. Per pkt. of fifteen seeds, 15 cts.	25			
3579 Tennant Spencer. Spencer form of Dorothy Tennant.	10	50	1 75	
3581 Thomas Stevenson. Orange-scarlet.	15	65		
3587 Vermillion Brilliant (Burpee's). Per ½ oz., 60 cts.	15	1 00		
3590 White Spencer (Burpee's). The best white.	10	40	1 10	4 00
3593 W. T. Hutchins (Burpee's). Light apricot pink.	10	35	1 00	3 50
3598 Burpee's Special Mixture of Re-selected Superb "Spencer" Sweet Peas for 1912	10	20	60	2 00
3599 The New "Burpee-Blend" for 1913.	10	25	75	2 50

Burpee's Blue List for 1913.

THE most complete catalog published for MARKET GARDENERS, TRUCKERS and FLORISTS. For the planter who "knows" it contains complete lists of all that is best in vegetables and flowers, while the grower who is uncertain as to the best varieties suited for his purpose may be guided by the bull's-eye placed after what is known to be best. In addition full descriptions are given many new and most valuable varieties.

BURPEE'S BLUE LIST FOR 1913 contains 148 pages with hundreds of half-tone and engraved illustrations. Within the pages of this catalog we have condensed an experience of thirty-five years both in handling and the actual growing of seeds.

If you garden for profit (that is, sell your products in the market) you are entitled to a copy of this complete and easily understood catalog, but if you are a private planter please do not ask for a copy, as we must protect the Market Gardener, Trucker and Florist.

W. ATLEE BURPEE & CO.,

"Seeds That Grow."

PHILADELPHIA, PA.



Green Prolific.

Grown under irrigation by

Western Seed & Irrigation Co.Seed Growers and Dealers. Specialties:
Cucumber, Musk and Watermelon, Pump-
kin, Squash, Sweet and Field Corn.

Fremont, - Nebraska

For Fall PlantingLilium Tenuifolium, Hansoni, Davuri-
cum, Henryi, Elegans and Wallacei;
Daphne Cneorum, Syringa Japonica, Ger-
man and Japan Iris. Fall list ready.

E. S. MILLER, Wading River, N. Y.

TOMATO SEED

Best Stocks. All Varieties.

THE HAVEN SEED CO.Growers for the Wholesale Trade Only.
SANTA ANA, CALIFORNIA.

—FOR—

SEEDSOF ALL KIND APPLY TO
W. W. Johnson & Son, Limited
Boston, England**DAMMANN & CO.,**Seed Merchants to His Majesty the King of Italy
SAN GIOVANNI A TEDUCCIO, near Naples
Established 1877.Headquarters for **CAULIFLOWER** and **WHITE**
TRIPOLI ONION SEED, (Crystal Wax), and
all other **VEGETABLE** and **FLOWER SEEDS**
THE LARGEST GROWERS IN ITALY.

Ask for Catalogue and Special Offers.

MANN'S**Lily of the Valley**are the finest in existence and their flowers
bring the best prices on the London mar-
ket. For quotations please apply to**OTTO MANN, Leipzig, Saxony, Germany****BEANS, PEAS, RADISH**
and all Garden Seeds**LEONARD SEED CO.**

226-230 W. KINZIE STREET, CHICAGO

ONION SETS**GROWERS FOR THE TRADE**
Write for Prices.

Mention the American Florist when writing

RATEKIN'S SEED CORN**OLDEST ESTABLISHED AND LARGEST WHOLESALE AND CONTRACT SEED CORN**
GROWERS IN THE UNITED STATES: Have made this our specialty for over thirty years. We
grow all the leading standard, best varieties of field Dent, Flint, and Sweet sugar corn, for the
Wholesale Trade. Write or wire us for prices and quotations for immediate or future shipments,
also for contract growing prices for 1914 delivery; stating probable quantities of different varie-
ties, etc., etc.**RATEKIN'S SEED HOUSE, Shenandoah, Iowa****Onion Seeds--Onion Sets** We are Extensive Growers and Dealers
Write for prices on the 1912 crop.We are also submitting contract figures
for the 1913 crop of Onion Seed.**SCHILDER BROS., Chillicothe, O.****CHOICE****German Flower Seeds**

Catalogue Free on Application.

FREDERICK ROEMER,
Seed Grower, Quedlinburg, Germany**JAPAN CLOVER SEED**Booking orders for January shipment.
Prices on application.Contract with us for **Genuine Bermuda Onion**
Seed, delivery next fall, grown by T. M. Reid,
Port Orotova, Teneriffe.**CHRIS. REUTER,** New Orleans, La.**R. & M. GODINEAU,**
SEED GROWERS,

Angers - France.

Specialties: Beets, Mangoes, Carrots, Cabbages,
Celeries, Parsleys, Parsnips, Turnips.

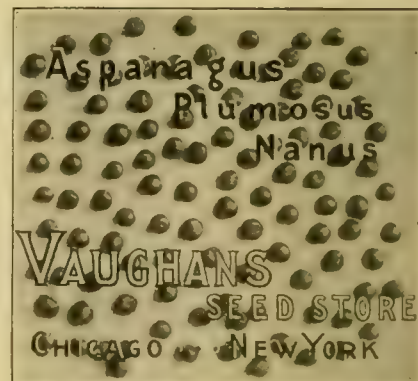
Growing Crops Given Personal Attention.

ROSES, CARNATIONS,

PLANTS, SEED, BULBS.

Send us your wants. We will take care of them.
We supply stock at market price. Catalogue for
the asking.**S. S. SKIDELSKY & CO.,**
1215 Betz Building, PHILADELPHIA, PA.**GET IT FROM****Oklahoma Seed Growers Co.**1912 surplus list of
WATERMELON AND MUSKMELON SEED.
ENID, OKLAHOMA.**WATERMELON SEED**

1913 Contracts for the Trade.

Grown under rigid inspection, isolated
and carefully selected.**HUGH M. TAYLOR,** Trade
LLOYD, FLORIDA. Grower.**New Crop**
Northern
Greenhouse Grown (ready)**Thorburn's Seeds**WE have for special offer this week,
while unsold, a few hundred Clumps
of Spiraea Gladstone.

\$5.50 per 100. Cash with order.

Our special florists and market gardeners
catalog—1913 edition—will be ready early
in January. Is your name on our list?**J. M. THORBURN & CO.**

110 years in business in New York City

33 Barclay Street - - New York

Mention the American Florist when writing

Lawn Grass Seed

WHOLESALE ONLY.

J. OLIVER JOHNSON,
1876 Milwaukee Ave., CHICAGO**The Early Advertisement**
Gets There.

Vaughan's Flower Seeds

10 Per Cent Special Cash Discount.—On orders over \$2.00 for Flower Seeds if the cash is enclosed. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

Our Florist Catalog is now in the printers hands and a copy will be mailed in a few days.

AGERATUM.	Trade Pkt.	Oz.
Imperial Dwarf, blue.....	\$0.10	\$0.30
Imperial Dwarf, white.....	.10	.30
Blue Perfection	.10	.40
Little Blue Star	.50	
Red Pearl, dwarf, pink.....	.25	
Princess Victoria Louise.....	.10	.40
Little Dorrit, dwarf, blue.....	.10	.40
Wendlandi nana compacta, album	.15	

ALYSSUM.	Trade Pkt.	Oz.
Maritimum, Sweet Alyssum, lb.	\$1.25	.05 .15
Vaughan's Little Gem, extra fine strain, lb.	\$6.00	.10 .60

ANTIRRHINUM.		
Large-flowering, choice mixed	.10	.40
Majus Carmine Rose.....	.10	.50
Firefly, scarlet, white throat	.10	.50
Golden King, yellow.....	.10	.50
Queen Victoria, pure white..	.10	.60
Brilliant Scarlet.....	.10	.50
Dark Rose.....	.10	.50
Venus, apple-blossom pink..	.25	
Striped Varieties, mixed.....	.10	.50
Lovely white with pink lip..	.10	.50
Delicate Pink.....	.10	.50
Vaughan's Special Mixture..	.10	.50

ASPARAGUS.		
Plumosus Nanus, Northern Greenhouse Grown. Per 100 seeds, 50c; 250 seeds, \$1.00; 1,000 seeds, \$3.50; 5,000 seeds at \$3.25 per thousand.		
Hatcheril. Finer, heavier and more rapid grower than Plumosus. 100 seeds, \$1.00; 1,000 seeds, \$9.00.		
Sprengreri. 100 seeds, 15c; 250 seeds, 25c; 1,000 seeds, 75c; 5,000 seeds, \$3.00; oz., 50c.		

ASTERS.		
Queen of the Market Aster. The standard early flowering type—White, Crimson, Pink, Light Blue, Dark Blue, Silvery Lilac, Scarlet, Flesh, Dark Lilac. Each of the above, per lb., \$10.00; ¼ oz., 25c; trade pkt., 10c; oz., 80c.		
Queen of the Market, best mixed, lb., \$6.00; trade pkt., 10c; oz., 60c.		

BEGONIA.	Trade pkt.	
Rex Hybrids, 500 seeds.....	.35	
Gracilis Bonfire, flowers lustrous carmine scarlet, metallic brown foliage, per pkt.....	.20	
Gracilis Luminosa, foliage lustrous reddish brown, the flowers are a fiery dark scarlet.....	.25	
Gracilis Mignon, fiery scarlet red, foliage soft dark green, spotted and bordered with bronzy red..	.25	
Gracilis Prima Donna, large transparent rose flowers, shading to carmine	.20	
Vernon, red-leaved and red-flowered, ¼ oz., 30c.....	.10	
Berna, foliage is very dark, flowers are very bright carmine red....	.25	
Erfordia, rosy carmine flowers, ¼ oz., \$1.25	.25	
Erfordia Grandiflora Superba, an improvement on the Erfordia....	.25	
Red Lubeca, fine for bedding.....	.25	
Tuberous Rooted Victoria, new, a very fine strain of frilled flowers, 4 inches across, colors mostly in red shades	.25	
Double Tuberous Rooted, best mixed	.25	
Tuberous Rooted Lafayette Hybrids, superb varieties of sturdy growth, mostly scarlet, bronze leaved, double	.25	

BELLIS.	Trade Pkt.	Oz.
Vaughan's Mammoth Mixture ¼ oz., 35c.....	.25	
Mammoth, White, ¼ oz., 35c.....	.25	
Mammoth, Pink, ¼ oz., 50c.....	.25	
Longfellow, dark pink.....	.15	1.50
Snowball, double white.....	.15	1.40
Monstrosa, new giant double white, ¼ oz., \$1.00.....	.25	
Monstrosa, new giant double pink, ¼ oz., \$1.00.....	.25	
Turban, best double red.....	.25	

CANDYTUFF.	Trade Pkt.	Oz.
Giant Hyacinth-Flowered, Extra selected stock, for florists' use, lb.	\$5.00	.15 .50

CELOSIA.		
Cristata (Coxcomb), tall sorts mixed	.05	.25
Dwarf sorts, mixed.....	.25	1.25
Dwarf President Thiers.....	.15	1.00
Dwarf Empress, crimson.....	.25	2.00
Aurea, dwarf, golden yellow	.15	1.25
Rosea, dwarf, rose, colored combs	.15	1.25
Dwarf Fire King.....	.25	
Centaurea, Gymnocarpa, lb., \$2.75	.05	.30
Candidissima (Dusty Miller)	.25	.75
Cobaea Scandens, Purple, lb., \$4.00	.10	.40
Scandens Flore Alba, White	.10	.80
Coleus, Vaughan's Rainbow Mixture, ¼ oz., 75c.....	.25	
Fine Mixed	.15	1.50
Extra Choice, large leaved, mixed, ¼ oz., \$1.00.....	.25	
Large-leaved Copper-colored	.25	
Laciniated and fringed, ¼ oz., \$1.50	.25	
Cyperus Alternifolius, Umbrella Plant.....	.15	1.25
Dracena Indivisa Lineata....	.10	.40
Indivisa, lb., \$3.00.....	.10	.30
Indivisa Latifolia	.10	.50
Australis	.10	.50
Echeveria (Hen and Chicken), mixed, 1,000 seeds, \$1.00.....		
Metallica, 1,000 seeds, \$2.50		
Secunda Glauca, 1,000 seeds, \$1.00		
Desmetiana, 100 seeds, 20c; 1,000 seeds, \$1.20.....		
Grevillea Robusta.....	.10	.50
Heliotrope, finest mixed, ¼ oz., 25c.....	.10	
Mammoth Flowered, mixed	.25	1.50
Ipomoea Noctiflora, Moon-flower, white seeded, lb., \$3.50	.10	.35
Ipomoea Noctiflora, black seeded, lb., \$3.00.....	.10	.30
Giant Pink (Northern Light)	.10	.40
Leari, dark blue, splendid.....	.25	1.25
Setosa, Brazilian Morning Glory	.10	.35
Lantana Hybrida, mixed.....	.05	.15
Bruant's New Dwarf Hybrids, mixed	.10	.40

LOBELIA.		
Bedding Queen, ¼ oz., 25c.....	.15	1.50
Erinus Compacta, "Firmament"	.15	
Crystal Palace Compacta, true	.15	1.25
Speciosa, dark flowers and foliage	.10	.50
Emperor William.....	.10	1.00
Gracilis, blue.....	.05	.40
Hamburgia, good for hanging baskets, etc.....	.25	
Hybrida Sapphire, best for hanging basket.....	.15	
Heterophylla Major, clear blue	.15	1.50
Lophospermum, Scandens.....	.15	1.30

MIGNONETTE.		
TRUE MACHET. Vaughan's Selected Stock. The seed we offer produces dwarf, vigorous plants of pyramidal growth, ¼ oz., \$4.00	.10	.75
Mimulus Moschatus, Musk Plant	.10	1.00
Myosotis, Vaughan's Early and Late Flowering.....	.15	.80

PETUNIAS.		
Single Large Flowering Sorts.		
Large-Flowering, finest mixed ¼ oz., \$2.00		\$0.25
Fringed, mixed, extra choice, ¼ oz., \$2.00		.25
Giants of California, true, ¼ oz., \$2.00		.25
Ruffled Giants, mixed.....		.50
Triumph of the Giants. The flowers often measure 7 inches across; some of its colors cannot be found in any other mixture		.50
German Empress. Giant flower, bluish white, veined purple...		.35
King Edward. Deep blood-red with white center, very distinct		.35
Balcony Queen. Rich velvety violet with white blotches		
"Vaughan's Best" Mixture of Large-Flowering Single Petunias. We are positive that no Petunia Mixture can produce flowers with as wide a range of colors as our "Vaughan's Best." Trade pkt. (1,000 seeds), 50c; 3 pkts. for \$1.35.		

Large Double-Flowered Sorts.		
Double Large-Flowering, extra choice mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$3.00.		
Double Large-Flowering, Fringed, best mixed, 1,000 seeds, \$1.25; 10,000 seeds, \$10.00; 500 seeds, 65c; 1/64 oz., \$4.00.		
Lady of the Lake, Double-Fringed, pure white, 1,000 seeds, \$1.20; 500 seeds, 65c; 1/64 oz., \$3.50.		
Double-Fringed Perfection. 10,000 seeds, \$12.00; 1,000 seeds, \$1.50; 500 seeds, 80c		
Double Fringed Pink. 500 seeds, \$1.00. Vaughan's Special Mixture Double, extra choice, 1,000 seeds, \$1.50; 500 seeds 80c 1/64 oz., \$4.00.		
Pyrethrum, Parthenium aureum, Golden Feather..	.10	.25

SALVIA.	Trade pkt.	Oz.
Clara Bedman	.25	1.60
Drooping Spikes	.25	1.80
Fireball, ¼ oz., 75c	.35	2.50
Zurich	.50	3.50

STOCKS.		
Double Large-Flowering, Dwarf, German 10 weeks. Canary Yellow, Dark Blue, Crimson, Brilliant Rose, Light Blue, Blod Red, White, Flesh. Each of above	.25	1.80
Extra choice, mixed.....	.25	1.25
Giant Perfection or Cut and Come Again. Sky Blue, Light Blue, Flesh, White, Dark Blue, Canary Yellow, Pink, Scarlet. Each of the above	.25	2.50
Thunbergia, mixed.....	.10	.40
Torenia Fournieri Grandiflora, ¼ oz., 30c.....	.10	

VERBENA.	Trade pkt.	Oz.
Defiance, brilliant scarlet, true	.15	1.00
Ellen Willmott, a good deep pink	.25	
Firefly, brilliant scarlet, white eye.....	.15	1.25
Hybrida Gigantea	.25	2.50
Mammoth, mixed.....	.10	.80
Mammoth, white, extra choice	.15	.80
Mammoth, Rose and Carmine shades	.15	1.00
Mammoth, Purple shades	.10	.80
Mammoth, Striped on red ground	.15	1.00
Mayflower, beautiful pink...	.15	1.00
"Vaughan's Best" Mixture of Verbenas. This is unquestionably the best strain of Verbena seed in existence. Trade pkt., 25c; ¼ oz., 50c; oz., \$2.00; 2 ozs., \$3.50.		
Vinca Rosea, mixed.....	\$0.10	\$0.40
Rosea pink	.10	.50
Rosea Fl. Albo, white with pink eye	.10	.50
Rosea Alba Pura, pure white	.10	.50

Vaughan's Seed Store, 25 Barclay Street, NEW YORK.

31-33 W. Randolph St., Chicago

BIG SEED CATALOGUE

(A GARDEN MANUAL)

FREE

160 pages full of valuable information, with 350 illustrations. This manual tells you what to plant, when and how to plant it. Write for it now.

AGGELER & MUSSER
SEED CO.

113-115 N. Main Street Los Angeles, Cal.

SPIRAEA

Strong Clumps, with Plump Eyes

Per doz. 100

Floribunda.....\$1.00 \$7.00

Gladstone.....1.25 9.00

A. Henderson & Co.

352 N. Michigan Ave., CHICAGO

Phone Randolph 2571.

The Best Color Chart

For Florists, Seedsmen and Nurserymen.

ERFURT, GERMANY, May 9, 1911.
AMERICAN FLORIST CO.,
Chicago, U. S. A.

Dear Sirs:—If you have any copies left of the comparative color plate compiled by F. Schuyler Mathews, I shall be obliged if you will send me one, my copy having somehow got mislaid and I do not like to be without this excellent little production.

Yours truly, ERNST BENARY,
Published and For Sale by the

American Florist Co., 440 S. Dearborn St.
CHICAGO
PRICE, ONE DOLLAR, POSTPAID.

Friedrich Kohlschreiber,

HAMBURG 24, GERMANY

Importer and Shipper of

All Sorts of Palm Leaves,
Ferns and Mosses.

For Sale: TOMATO, EGG
and PEPPER
PLANTS, for

MARCH OR MAY SHIPMENT.

Special Prices for 100 or 1000.

Benj. F. Castner,
Belvidere Ave., WASHINGTON, N. J.

Contract Seed Growers

Specialties: Pepper, Egg Plant, Tomato,
Vine Seed and Field Corn.

Correspondence Solicited.

George R. Pedrick & Son,
PEDRICKTOWN, N. J.

"Superb Quality"

FLOWER

"Seeds for Florists"

"SUPERB QUALITY."

The "Very Best" in everything that we offer. Write for our "trade list" No. 5.
We have reserved one for you Do not fail to get it. It describes everything for the Florist.

Ageratum—Dwarf Blue, $\frac{1}{4}$ oz. 15c. Mexican Blue, White, each, $\frac{1}{4}$ oz. 10c.
Alyssum—Little Gem, Dwarf white, $\frac{1}{2}$ oz. 20c. oz. 30c. Sweet, White, oz. 15c. $\frac{1}{4}$ lb. 40c.
Antirrhinum (Srao Dragon), Giant—Pink, Scarlet, each, $\frac{1}{4}$ oz. .15 White, Yellow, each, $\frac{1}{4}$ oz. .15 Mixed, $\frac{1}{4}$ oz. 15c. 1 oz. .40
Asparagus Sprengeri—100 seeds for 20c; 1000 for 90c.
Asparagus Plumosus Nanus—100 seeds for 55c; 1000 for \$4.00.

ASTERS.

We assert that no one can have a superior stock of the various asters. See catalog No. 2 for description of novelties.

Aster, Lady Roosevelt—A splendid new variety. Trade pkt. 25c. $\frac{1}{8}$ oz. 60c.

Crego Asters—Magnificent late cutting Asters, Rose, Lavender and White. Trade pkt. 30c. $\frac{1}{8}$ oz. 40c.

Rose King—Enormous quilled flowers fine for cutting. Trade pkt. 35c. $\frac{1}{8}$ oz. 40c.

Violet King—Identical with the above, except in color, which is a pure violet. Trade pkt. 25c. $\frac{1}{8}$ oz. 40c.

Royal Stripe—Large double flowers, striped blue and white, with long stems, fine for cutting. Trade pkt. 25c. $\frac{1}{8}$ oz. 75c.

Vick's Mikado—A large graceful flower for cutting. Pink, White and Rose. Trade pkt. 35c. $\frac{1}{8}$ oz. 45c.

Lavender Gem—A splendid early pure lavender, no yellow centers, very popular with florists. Trade pkt. 35c. $\frac{1}{8}$ oz. 50c.

Snowdrift—A fine early long stemmed, pure white. Trade pkt. 35c. $\frac{1}{8}$ oz. 50c.

Giant Comet—Mixed. $\frac{1}{4}$ oz. 35c. oz. 1.25

Daybreak—A fine pink flower for cutting. $\frac{1}{4}$ oz. .30

Purity—White flowers similar to above. $\frac{1}{4}$ oz. .30

Queen of the Market—Dark Blue. Crimson, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .40

Light Blue, Pink, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .40

Snowdrift pure white, $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .40

Mixed, $\frac{1}{4}$ oz. 10c. $\frac{1}{2}$ oz. .30

Branching—Late—Flowers large double on long stiff stems, excellent for cutting. White, Flesh, Pink, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .50

Lavender, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .50

Pink, Purple, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .50

Dark Red, each $\frac{1}{4}$ oz. 15c. $\frac{1}{2}$ oz. .50

Mixed, $\frac{1}{4}$ oz. 20c. 1 oz. .75

Balsam—Camellia flowered, double mixed. $\frac{1}{4}$ oz. .40

BEGONIA SEED (all varieties.)

Gracilis Luminosa, Ruby, Prima Donna, Triumph, Erfordia, Erfordia Superba. All uniform. Trade pkt. .25

The above is only a partial list of "Superb Quality" seeds selected for Florists. See our various catalogs for descriptions.

THE STORRS & HARRISON CO., PAINESVILLE, OHIO

THE C. HERBERT COY SEED CO.
VALLEY, Douglas County, Neb.

Contract Growers of
High Grade Seeds

Cucumber, Melon, Squash and Pumpkin.
Sweet, Flint and Dent Seed Corn

This
Trade Mark
Stands for



59 Years of Satisfactory
Service and a mark of true

"SUPERB QUALITY."

Candytuft—Empress, very large, pure white, $\frac{1}{4}$ oz. .20
White Rocket, $\frac{1}{4}$ oz. .15
Little Prince, dwarf, large flowered white, $\frac{1}{4}$ oz. .25
Celosia—Glasgow Prize, Dwarf, Crimson, $\frac{1}{4}$ oz. \$0.20
All-a-Glow, Dwarf, Scarlet, $\frac{1}{4}$ oz. .20
Empress, Semi-Dwarf, $\frac{1}{4}$ oz. .20
Ostrich Feather, Mixed, Tall, $\frac{1}{4}$ oz. .10
Ostrich Feather, Mixed, Dwarf, $\frac{1}{4}$ oz. .20
Centaurea—Gymnocarpa, $\frac{1}{4}$ oz. .20
Imperialis, Mixed, fine for cutting, $\frac{1}{4}$ oz. .10
Margaret White, fine for cutting, $\frac{1}{4}$ oz. .15
Cineraria Maritima, trade pkt. 10c. oz. .25
Cobaea Scandens, Purple, $\frac{1}{4}$ oz. .30
Coleus Finest Hybrids—Mixed trade pkt. .50
Dracaena Indivisa, trade pkt. 10c. oz. .45
Grevillea Robusta, $\frac{1}{4}$ oz. .50
Ipomea Grandiflora (Moonflower), $\frac{1}{4}$ oz. .40
Ipomea Heavenly Blue, $\frac{1}{4}$ oz. .50
Ipomea Setosa, $\frac{1}{4}$ oz. .20
Lobelia, Erius Speciosa, deep blue, trailing variety, $\frac{1}{4}$ oz. .20
Crystal Palace Compacta, best for bedding, $\frac{1}{4}$ oz. .20
Mignonette, Machet, $\frac{1}{4}$ oz. .25
Grandiflora, large flowering, $\frac{1}{4}$ lb. .15
Allen's Defiance, $\frac{1}{4}$ oz. .40
Petunia, Double Giant Flowered Grandiflora and Fringed Mixed, 1000 seeds 1.25
Giant Ruffled, trade pkt. 1.00
Single large flowered, Fringed, trade pkt. .50
Giants of California, trade pkt. 1.00
Rosy Morn, Rosy pink, white throat, $\frac{1}{4}$ oz. .40
Single Striped and Blotched, $\frac{1}{4}$ oz. .25
Single Mixed, $\frac{1}{4}$ oz. .15
Howard's Star, $\frac{1}{4}$ oz. .40
Salvia, Splendens, trade pkt. 25c. oz. 1.00
Clara Bedman, trade pkt. 40c. $\frac{1}{4}$ oz. .60
Zurich, trade pkt. \$1.00. $\frac{1}{4}$ oz. 2.00
Smilax, $\frac{1}{4}$ oz. 30c. $\frac{1}{4}$ lb. 1.00
Stocks, Dwarf Large Flowering Double Ten Weeks, Mixed, $\frac{1}{4}$ oz. .25
Brompton, $\frac{1}{4}$ oz. .35
Giant Perfection Ten Weeks, Mixed, $\frac{1}{4}$ oz. .30
Princess Alice, White, $\frac{1}{4}$ oz. .35
Snowflake, for forcing, 1-16 oz. .75
Ten Weeks (separate colors), $\frac{1}{4}$ oz. .35
Thunbergia, $\frac{1}{4}$ oz. .40
Torenia Fournieri, trade pkt. 15c. $\frac{1}{4}$ oz. .50
Torenia Baillonii, trade pkt. 25c. $\frac{1}{4}$ oz. .50
Verbena, (Mammoth Flowered) Blue and Purple Shades, $\frac{1}{4}$ oz. 35c. oz. 1.00
Pink, $\frac{1}{4}$ oz. 35c. oz. 1.00
Scarlet, $\frac{1}{4}$ oz. 40c. oz. 1.00
White, $\frac{1}{4}$ oz. 35c. oz. 1.00
Striped, $\frac{1}{4}$ oz. 35c. oz. 1.00
Mixed, $\frac{1}{4}$ oz. 30c. oz. .75

S. D. WOODRUFF & SONS
SEED GROWERS
Dealers in Garden, Field and Flower Seeds
Specialties, Potatoes, Onion Sets, Garden and Flower Seeds. Contract Taken
Catalogue Free. ORANGE, CONN.
82 & 84 Dey St. NEW YORK

The Sawyer ASTERMUM

...IS THE MOST BEAUTIFUL...

SUMMER FLOWER in the WORLD

The National Convention for 1912

So Pronounced It and in Conformation

AWARDED IT HIGHEST HONORS

As my supply of seed is limited, it will be WISE to place your order at once. NO UP TO DATE florist can AFFORD to be without the

SAWYER ASTERMUM

PRICES (Cash with order)

Ounce.....\$8.00

½ ounce.....\$4.50

Trade packet.....\$1.00 (not mixed)

Colors: White—Pink—Lavender

If you have not already received cuts and descriptions, write for same.

Albert A. Sawyer, Aster
Forest Park, Illinois. Expert.

ASTERS

Send for
Our Aster Book

JAMES VICK'S SONS

Rochester, N. Y.

Asparagus Seeds, Plumosus and Sprengeri

DON'T be misled by Eastern advertisers who ask high prices for seeds that are no better than those ripened in California sunshine. They cannot be beaten for germination or quality. All we ask is a fair trial. Our seed will convince you. We have repeat orders already for over six hundred thousand seeds of this year's crop from customers who have had this seed for many years.

Prices as Follows:

Asparagus Plumosus Nanus—

Less than 5,000\$2.50 per 1,000
In lots of 5,000 2.25 " "
In lots of 10,000 2.00 " "

In lots of 20,000 1.75 per 1,000
In lots of 50,000 1.50 " "
In lots of 100,000 1.25 " "
Asparagus Sprengeri .50 " "

Los Angeles Flower Market

CHARLES E. MORTON, Manager

414½ South Broadway

LOS ANGELES, CAL.

Henry Fish Seed Co. Bean Growers

For the Wholesale Seed Trade.

CARPINTERIA, CALIF.

Contract Seed Grower

SPECIALTIES: Pepper, Egg Plant,
Tomato, Vine Seed and Field Corn.

EDGAR F. HURFF, Mullica Hill, New Jersey.

Correspondence Solicited.

Comfort Carnation Cuttings

A Scarlet second to none. A Carnation that came to stay. Be wise, have comfort. Orders filled in rotation. Cuttings guaranteed, \$4.00 per 100. \$30.00 per 1,000.

S. M. MERWARTH & BROS.

Carnation Specialists

EASTON, PA.

Sphagnum MOSS

BURLAPPED

Fresh clean moss
from new marsh,
full sized bales.

Spiraea Clumps

	Per 100
Gladstone.....	\$ 8.00
Floribunda.....	6.00
Japonica	5.00

Lilies

	Per 100
Giganteum, 7-9,.....	55.00
" 9-10,.....	90.00
Multiflorum, 7-9,.....	45.00

Vaughan's Seed Store,
Chicago. New York.

Rooted Carnation Cuttings.

	Per 100	Per 1000
C. W. Ward	\$2 25	\$20 00
White Enchantress	2 25	20 00
Enchantress	2 25	20 00
Beacon	2 25	20 00

Cash with Order or References.

F. F. SCHEEL, Shermerville, Ill.

Mention the American Florist when writing

GEO. A. KUHL

Wholesale Grower for the Trade

PEKIN : : ILLINOIS

Mention the American Florist when writing

Franzen's Seeds Sure to Grow.

Asters, Queen of the Market.....oz.	\$0.50
Ageratum, Blue...oz.	\$0.60. Snapdragon. .75
Alyssum, Little Gem	.30
Lobelia, Emperor William, Blue.....	.75
Pansy, Giant Strain.....	1.25
Petunia, Superfine Mixed.....	.75
Phlox, Drummondii Mixed.....	.55
Stock, Ten Week Double.....	1.00
Verbena Hybrida, Mixed.....	.55

F. O. FRANZEN, 1476 Summerdale Av., Chicago

Send for trade list.

Mention the American Florist when writing

Flower Colors

Use our **COLOR CHART** in describing them

PRICE, \$1.00 POSTPAID.

American Florist Co.,

440 S. Dearborn St.,

CHICAGO

Fine Decorative Plants

Exceptionally Fine Stock—None Better To Be Had.

PALM LIST.

Kentia Belmoreana. Per doz.	
4-in. pot, 12 to 15 in. high, 6 leaves.....	\$4.50
Each.....	1.25
6-in. pot, 24 in. high, 6 to 7 leaves.....	1.50
6-in. pot, 28 to 30 in. high, 6 to 7 leaves.....	2.50
7-in. pot, 36 in. high, 6 to 7 leaves.....	3.00
8-in. pot, 36 to 38 in. high, 6 to 7 leaves.....	3.00
9 in. tub, 46 to 50 in. high, 6 to 7 leaves.....	\$5 to \$6
Specimens, 9 to 10 in. tubs.....	\$6.00 to \$15.00 each

Kentia Forsteriana.	
4-in. pot, 15 to 18 in. high...Ea. 75c; doz.,	\$4.50
5 in. pot, 20 to 24 in. high.....	9.00
6-in. pot, 28 to 30 in. high, 6 leaves...Ea.	1.25
6-in. pot 34 to 36 in. high, 6 leaves.....	1.50
7-in. pot, 38 to 40 in. high, 6 to 7 leaves, "	2.50
7-in. pot, 41 to 45 in. high, 6 to 7 leaves, "	3.00
8-in. pot, 48 to 50 in. high, 6 to 7 leaves, "	5.00
Specimens in from 8 to 12 in. tubs,	
from \$6.00 to \$15.00 each.	

Made-up Kentia in Tubs.

6-in. tubs, 28 to 30 in. high, 3 plants.....	\$2 00
6-in. tubs, 32 to 34 in. high, 4 plants.....	3 00
8 in. tubs, 44 to 48 in. high, 4 to 5 plants.....	5.00
8 in. tubs, 48 to 52 in. high, 5 plants.....	6.00
10-in. tubs, 4½ feet high, 5 plants.....	8.00
10 in. tubs, 4½ to 5 feet high, 5 plants.....	10.00
10-in. tubs, 6 feet high, 5 plants.....	12.00

For longer specimens in tubs prices
on application.

Areca Lutescens, 7 inches strong, \$2.00 each

List of Plants

For Immediate Sale.

Bostons, 6-in.....	\$0.50 each, \$ 6.00 per doz.
7 in.....	0.75 " 7.50 " "
8-in.....	1.00 " 10.00 " "
10-in.....	2.50 " "
12 in.....	3.50 " "

Whitmani prices and sizes same as above.

Bostons, strong 2½-in.....\$3.50 per 100

Dracaena Massangeana...\$1.25 to \$1.50 each

Phoenix Roebeleni, 3 in.....\$2.50 per doz.
4-in..... 5.00

Pandanus Veitchii, highly colored:
5-in.....each, \$1.00
6-in..... " 1.50
7-in..... " 2.50

Rubber Plants, strong 6-in., 75c to \$1.00 each
Ficus Pandurata, 7-in., 5 to 6 feet tall, \$4.50 to \$5.00 each.

Table Ferns, 10 varieties:
" 2½-in., \$5.00 per 100; \$25.00 per 1000
" 3 in., strong, \$6.00 per 100; \$55.00 per 1000.

Cyclamen in bloom, 5-in., 50c each; \$5.00 per doz. 6-in., 75c each; \$7.50 per doz.



SHAMROCKS

Special for St. Patrick's Day.

True Irish Shamrock, strong, 2 inch, \$3.50 per 100; \$30.00 per 1000.

Poehlmann Bros. Co.

Plant Department

Morton Grove, Illinois

Mention the American Florist when writing

Pedigree Seeds Catalogue 1913

NOW READY.

MAILED ON APPLICATION.

Watkins & Simpson, Ltd.,
12 Tavistock Street,
COVENT GARDEN, LONDON, ENGLAND.

Mention the American Florist when writing

J. D. Thompson Carnation Co.

Carnation Specialists

JOLIET,

ILL.

Mention the American Florist when writing

SPECIALTIES

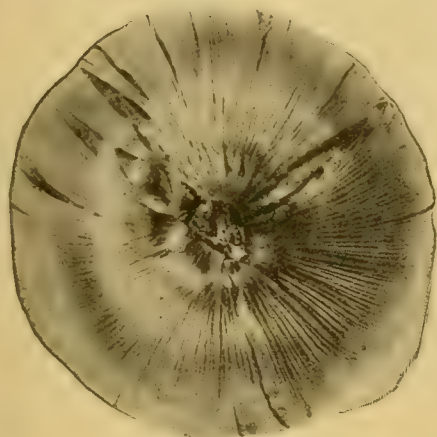
Roses, from 3-inch pots. Chrysanthemums
Carnations for fall delivery. Smilax, Violets

IN BEST VARIETIES.

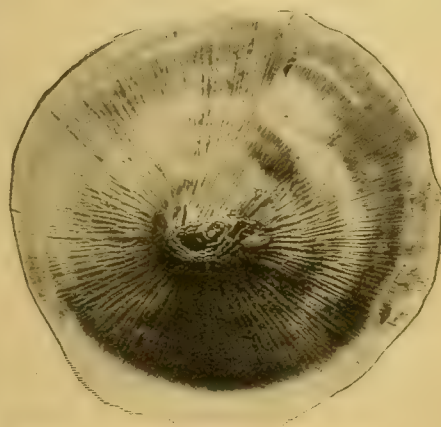
Prices low. Send for list.

Wood Brothers, FISHKILL
New York

We are Growers of Gladiolus Bulbs



MRS. FRANCIS KING.



AMERICA

Besides the following standard kinds, most of which we can offer in two sizes (both flowering), we carry nearly all standard kinds and many fancy imported novelties secured by our Mr. Carl Cropp in Europe: Per 1000

Mrs. Francis King, First Size.....	\$20.00
“ “ “ Medium Size	15.00
Augusta, First Size	16.00
“ Medium Size.....	13.00
America, First Size.....	25.00
“ Medium Size	22.00
Kunderdi Glory, First Size	48.00
Chicago White.....	70.00

Florists, Seedsmen and amateurs who are interested in **Gladiolus**, either for counter trade, for outdoor planting, or for the home garden, should correspond with us and secure our lists and prices before placing orders for this stock.

☞ Of several leading kinds we can supply planting stock, white bulbs under one inch and small black bulblets by the bushel.

1913 Prices on All Leading Kinds Are Ready

Special Lists of Novelties can be made up on request.

VAUGHAN'S SEED STORE

NEW YORK
CHICAGO

Boston Ferns...

\$3.00 per 100.....\$30.00 per 1000
Whitman Compacta (new), to take the place of Whitman. A better commercial fern; 2½-in., \$6.00 per 100; \$50.00 per 1000.
Roosevelt, \$6.00 per 100; \$50.00 per 1000.
 250 plants at 1000 rates.

HENRY H. BARROWS & SON. Whitman, Mass.

Lady Hillingdon Roses

Fine 2½-inch plants, \$11.50 per 100,
 F. O. B. West Grove.

THE CONARD & JONES CO.,
 West Grove, Penna.

PALMS, FERNS

AND

Decorative Plants

JOHN SCOTT, Rutland Rd. & E. 45th St.
 BROOKLYN N Y

Enchantress Supreme

THE Best Sport from Enchantress up-to-date, possessing all the vigor and freedom that distinguishes its parent.

Color a light salmon pink—a color that is not only very attractive, but also one that endures full exposure to the sun without bleaching.

A good all around Carnation that retains its color at all seasons.

Calyx is longer and narrower than that of the parent variety, and distinct from the latter. Has shown no inclination to be a burster.

The weak points of Enchantress seem to have been lost in this Sport, and a trial of four years duration convinces us of its great value.

PRICES: Twelve Rooted Cuttings.....\$3.00 One Hundred rooted cuttings....\$ 12.00
 Twenty-five rooted cuttings, 5.00 One Thousand rooted cuttings... 100.00
 Fifty rooted cuttings..... 7.00

DAILLEDOUZE BROS.,

Lenox Road and Troy Ave.,
 BROOKLYN, N. Y.

Primula Obconica, strong plants, in bud and bloom, 4-inch, \$5.00 per 100, \$45.00 per 1000; out of 2½-inch plants that will bloom for Xmas, \$1.50 per 100, \$14.00 per 1000.
Malacoides, Giant Baby Primrose, strong, 2½-inch, \$2.00 per 100, 300 for \$5.00.
Asparagus Plumosus and Sprengeri, strong, 2½-inch, \$2.00 per 100, \$15.00 per 1000; 3-inch, \$3.00 per 100, \$25.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

PALMS.

Each.
Kentia Forsteriana, 4-in. pots, 12 to 15-in.....25c
Kentia Beimoreana, 4-in. pots, 12 to 15-in.....25c
Areca Lutescens, 3-in. pots, 8 to 12-in.....10c
Latania Borbonica, 4-in. pots, 12 to 15-in.....15c

ROSES OUR SPECIALTY.

Write for 1913 Catalogue.

THE DINGEE & CONARD CO.,
 WEST GROVE, PA.

Market Gardeners

Vegetable Growers' Association of America.

H. F. Hall, Moorestown, N. J., President; C. West, Irondequoit, N. Y., Vice-President; E. A. Dunbar, Ashtabula, O., Secretary; M. L. Ruetenik, Cleveland, O., Treasurer.

BATTLE CREEK, MICH.—Plans have been accepted for four new vegetable greenhouses to be built next summer for the Battle Creek Sanitarium. The buildings will be 34x126 feet.

BENJAMIN F. YOAKUM, the railroad magnate, says that it cost \$7,000,000,000 to distribute \$6,000,000,000 worth of farm products last year. In other words, the public paid \$13,000,000,000 for what was worth less than half that amount. According to Mr. Yoakum the middleman gets too much and the grower and consumer are the ones who suffer.

Prices of Indoor Fruits and Vegetables.

Chicago, January 13.—Mushrooms, 20 cents to 50 cents per pound; lettuce, 20 cents to 22½ cents, small cases; radishes, 25 cents to 60 cents per dozen bunches; pieplant, 50 cents to 65 cents per bunch; tomatoes, 15 cents to 18 cents per pound.

New York, January 11.—Cucumbers, \$1 to \$1.12 per doz. and \$2 to \$4 per box; mushrooms, 50 cents to \$1.75 per 4-pound basket; tomatoes, 22 cents to 25 cents per pound; radishes, \$2.50 per 100 bunches; mint, 50 cents to 65 cents per dozen bunches; rhubarb, 75 cents per dozen bunches.

OMAHA, NEB.—The Omaha Florists' Club held its annual meeting Thursday, January 9. Officers were elected as follows: Charles Faulkner, president; M. Stanch, vice-president; George Swanson, treasurer; Lewis Henderson, secretary. George Swoboda, A. Hooge and Paul Floth were elected trustees.

ATCHISON, KANS.—Sales were a little better this Christmas than a year ago and prices about the same, according to a report from Grove's Greenhouses. Carnations were short. Bulbous flowers did not sell well. Carnations locally grown, were better than a year ago. Outside stock was poor. Roses were better than in 1911. There was a marked demand for Richmond roses, red carnations and stevia. More begonias and poinsettias were sold. People are being educated to the fact that a plant in an artistic setting is much better than in a plain pot and are willing to pay the difference. Baskets were quite popular.

Vegetable Plants.

Cabbage, Wakefield, Succession, All Head, Early and Late Drumhead, Early Summer, Winnigstadt, Surehead, etc., at \$1.00 per 1000; 10,000 and over at 85c per 1000.

Cash With Order.

R. VINCENT, Jr., & SONS CO., White Marsh, Md.



Watch for our Trade Mark stamped on every brick of

Pure Culture Mushroom Spawn

Substitution of cheaper grades is thus easily exposed. Fresh sample brick, with illustrated book, mailed postpaid by manufacturers upon receipt of 40 cents in postage. Address

Trade Mark. American Spawn Co., St. Paul, Minn.

TO THE TRADE

HENRY METTE, Quedlinburg, Germany.

GROWER and EXPORTER on the VERY LARGEST SCALE of all CHOICE VEGETABLE, FLOWER AND FARM SEEDS. (Established 1787.)

SPECIALTIES: Beans, Beets, Cabbages, Carrots, Kohl Rabi, Leek, Lettuces, Onions, Carnations, Cinerarias, Gloxinias, Larkspur, Nasturtiums, Pansies, Petunias, Phloxes, Primulas, Scabious, Stocks, Verbenas, Zinnias, etc. Catalogue free on application.

HENRY METTE'S TRIUMPH OF THE GIANT FANSIES (mixed), the most perfect and most beautiful in the world, \$8.00 per oz., or \$1.75 per ¼ oz., \$1 per ½ oz., postage paid. Cash with order.

All seeds offered are grown under my personal supervision on my own vast grounds, and are warranted true to name, of strongest growth, finest stocks and best quality.

I ALSO GROW LARGELY ON CONTRACT.

Time Is Money. Save Both.

We make a specialty of growing all kinds of

Vegetable Plants for the Trade.

CABBAGE, in variety; LETTUCE, Big Boston and Giant White Forcing, Grand Rapids and Tennis Ball, grown in open field and cold frames, perfectly hardy fine plants, at \$1.00 per 1000, or 80c per 1000 in 10,000 lots and over.

FRANKLIN PLANT FARM, Inc., P. O. Box 964, Norfolk, Va.

Forcing Spiraea Clumps, Gladiolus, Etc.

	Per 100		Per 100
Spiraea Gladstone	\$8.50	Spiraea Superba	\$ 6.00
Spiraea Florabunda	5.00	Spiraea Queen Alexandra	10.00

GLADIOLUS FORCING STOCK.

America. First Size	3.00 per 100,	25.00 per 1000
Medium Size	2.50 per 100,	20.00 per 1000
Mrs. Francis King	2.00 per 100,	18.00 per 1000

The Storrs & Harrison Co.,
Painesville, Ohio.

What More Should You Expect?

THE following is from a communication received from Messrs. Valentin Burgevin's Sons, Kingston, N. Y., January 8, 1913:—

"We wish to say that we find the **Vermine** an excellent thing. We used it on a bench planted with Smilax to kill root lice, or maggots, which ate the roots, and after two applications our Smilax is taking on new life, and has started off to grow."

The following from Messrs. Newman & Legg, of Manasquan, N. Y., January 4, 1913:—

"This fall we had occasion to try your **Fungine** on a large house of sweet peas. They were so badly affected with mildew that we were going to throw them out,—meaning a total loss of the crop.

We had tried sulphur and all the usual mildew remedies without being able to control it. A caller asked us if we had tried **Fungine**, saying that he had heard it was good for mildew. We gave them one good syringing with **Fungine**, with the result that in forty-eight hours there was not a particle of live mildew in the house."

For further particulars see our advertisement, page 1530.

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals

Madison, N. J.

M. C. EBEL, General Manager

The Nursery Trade

American Association of Nurserymen.

Thomas B. Meehan, Dresher, Pa., President; J. B. Pilkington, Portland, Ore., Vice-President; John Hall, 204 Granite bldg., Rochester, N. Y., Sec'y.

Thirty-eighth annual convention to be held at Portland, Ore., June 18-20, 1913.

NURSEYMEN will find an interesting article on "Evergreen Window Boxes" in our retail department this week.

SYLVANIA, O.—E. H. Cushman, who is on a Pacific coast trip, writes favorably of the Redlands, Calif., orange district.

COQUILLE, ORE.—C. D. Crosby, a local nurseryman, claims to have originated a coreless apple after 12 years' experimentation.

STRASBURG, VA.—The Borum Orchard Co. of this place has been organized and incorporated by F. M. Zea, president; R. S. Wright, secretary, and S. S. Funk.

NASHVILLE, TENN.—The eighth annual convention of the State Horticultural Society will be held here January 29. The State Nurserymen's Association will meet January 30.

Nassau County Horticultural Society.

The Nassau County Horticultural Society held its regular monthly meeting at Pembroke Hall, Glen Cove, L. I., on Wednesday, January 8, at 2 p. m.; President Brown in the chair. It was decided to accept Elmer D. Smith's offer of a prize (\$10) for 6 blooms chrysanthemum Yonkers at the fall show. The dinner committee reported having made satisfactory arrangements with the Oriental Hotel, Glen Cove, for January 23. A special prize offered by J. Canning for 18 carnations, three varieties, brought out a large exhibit of very fine flowers. After much deliberation the judges awarded the first prize to Oscar Bjorkreen, who staged fine flowers of Enchantress, White Perfection and May Day. Alex. MacKenzie was second with Mrs. C. W. Ward, Enchantress and White Enchantress. The prizes for tomatoes, violets and freezias were awarded to J. McCarthy, R. Marshall and J. MacDonald. Other awards were as follows: Certificate of culture to Valentine Cleres for new seedling carnation Red Springs; honorable mention to John Johnston for vase of Calycanthus. John Canning, Ardsley, N. Y., and W. D. Robertson, Roslyn, L. I., were elected to active membership. Prizes will be offered at the next meeting, February 12, for three cauliflower, 25 sprays of sweet peas and six gardenias.

JAMES MACDONALD, Sec'y.

PRINCETON, ILL.—The Trimble Greenhouse Co. has added four greenhouses to its plant. Two of them were purchased from the Colberg estate. The company now has a glass area of 80,000 square feet. It recently made a contract with the Rock Island railroad for 65,000 carnations to be delivered during the year to be used in dining cars and hotels.

—For the Best New and Standard—

DAHLIAS

—Address—

Peacock Dahlia Farms,

P. O. Berlin, N. J. Williamstown Junc., N. J.



Tuberous Rooted Begonias

Splendid imported bulbs now at hand—an early date—grown from large flowering strains.

	Doz.	100	1000
Single sorts—white, scarlet, yellow, pink	\$.40	\$2.50	\$22.00
Single sorts—mixed	.35	2.25	20.00
Double "—white, scarlet, yellow, pink	\$.65	\$4.50	\$40.00
Double sorts—mixed	.60	4.00	37.50

Gloxinias

Grassifolia Grandiflora

All the spotted and Tigered variations in sound bulbs.

	Doz.	100	1000
Separate colors	\$.60	\$3.50	\$30.00
Choice mixture	.50	3.20	28.00

Vaughan's Seed Store

HICAGO

NEW YORK

B. & A. SPECIALTIES

Our World's Choicest Nursery and Greenhouse Products for Florists

Palms, Bay Trees, Boxwood and Hardy Herbaceous Plants, Evergreens, Roses, Rhododendrons, Vines and Climbers, Autumn Bulbs and Roots, Conifers, Pines.

Florists are always welcome visitors to our nurseries. We are only a few minutes from New York City; Carlton Hill station is the second stop on Main Line of Erie Railroad.

BOBBINK & ATKINS

Nurserymen and Florists.

RUTHERFORD, N. J.

MANETTI STOCKS.

Well rooted. English-Crown Manetti Rose stocks, especially selected for Florist's grafting.

5 to 8 m-m.....\$12.00 per 1,000 3 to 5 m-m.....\$10.00 per 1,000

Duty paid. We are filling orders NOW; can take care of a few more late buyers. Are YOU supplied? Send us your order. Shall we ship by freight or express?

JACKSON & PERKINS CO., Newark, New York

We wish to call your attention to the following:

The well-shaped Box Trees in Pyramids. Balls, Bush Form and all other clipped forms are not from Boskoop, but from Aalsmeer.

The very strong and healthy Vines are not from Boskoop, but from Aalsmeer.

The Lilac, well-budded with very long stalks is not from Boskoop, but from Aalsmeer.

Let us know your requirements and we shall be pleased to quote you.

"L'Esperance" Nurseries, Aalsmeer, Holland.

LARGE TREES

OAKS AND MAPLES
PINES AND HEMLOCKS

ANDORRA NURSERIES.

Wm. Warner Harper, Prop.

Chestnut Hill,

PHILA., PA.

Robert Craig Co...

High Class PALMS

and Novelties in Decorative Plants.

Market and 49th Sts.,

Philadelphia, Pa.

GODFREY ASCHMANN,

1012 W. Ontario Street,
PHILADELPHIA, PA.

I HAVE TO OFFER YOU:

Araucaria Excelsa, Our Specialty, in fine condition, 5, 5½, 6-inch pots, 14 to 30 inches high. 40c, 50c, 60c, 75c, \$1.00, \$1.25 to \$1.50. **Azaleas**, in bloom now. Vervaneana and other colors, 75c, \$1.00, \$1.25 to \$1.50. For Easter blooming, assorted colors, 50c, 60c, 75c, \$1.00, \$1.25, \$1.50 to \$2.00. **Kentia Forsteriana**, single, 25 to 50 inches high, 75c, \$1.00, \$1.50, \$2.00, \$2.50; made up of 4, center plant 50 inches, 3 smaller around, \$2.50, \$3.00 and \$4.00. **Belmoreana**, 6-inch, 50c to 75c; 4-inch, 25c. **Draecena Terminalis**, 4 and 5½-inch, 25c, 35c, 40c. **Ficus Elastica**, 5½ and 6-inch, 30c, 40c and 50c. **Ferns**, Scotti, Whitmani, Scholzei, Boston, Giatras, 5½, 5½, 6 and 7-inch, 30c, 40c, 50c, 60c, 75c to \$1.00. **Begonias**, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-inch, 40c, 50c, 60c, 75c to \$1.00. **Cyclamen**, 4 and 5½-inch, 25c, 30c, 40c and 50c. **Primulas**, Obconica grandiflora and Chinese in bloom, 5½-inch \$2.00 to \$2.50 per doz.; 4-inch Obconica, 10c and 15c. **Jerusalem Cherries**, 6-inch, 25c to 35c. **Cocos Weddellana**, 3-in., 15c, 18c, 20c. **Cyr. Falcatum** or Holly fern, 4-inch, 20c and 25c; assorted, 2½-inch Dish Ferns, \$4.00 per 100. **Asparagus Sprengeri** and **Plumosus**, 4-inch, 10c; 2½-inch, 4c; 3-inch, 6c. **Aspidistras**, green and variegated, 6-inch, 75c, \$1.00 and \$1.25. **Hydrangea Otaksa**, for Easter forcing, 6-inch, 25c, 35c, 50c. The genuine **Lilium Multiflorum**, raised from selected bulbs, 4 inch ready to shift, 20c and 25c. Cash with order please.



"The Herald"

WONDERFUL NEW SCARLET CARNATION. BEST EVER
DISSEMINATED. ORDER YOUR ROOTED CUTTINGS NOW.

The Herald is winner over all scarlets the past two years. No other Carnation able to do this. Best 100 red or scarlet at Cincinnati Flower Show, 1911; St. Paul Flower Show, 1912; Cleveland Flower Show, 1912. Scored 87 points St. Louis, 1912; scored 89 Chicago Florists' Club, 1912.

The Herald is an early, free and continuous bloomer; the most perfect carnation in every way: Long strong stem, strong absolutely non-bursting calyx, large full and well-built flowers, bright clear scarlet. Cuttings strong, well rooted. Guaranteed satisfactory in every respect. **\$12.00** per 100; **\$100** per 1000.



Renew your stock with clean, healthy cuttings from stock that has won more prizes on the exhibition table than any other.

	Per 100	Per 1000		Per 100	Per 1000
The Herald , scarlet.....	\$12.00	\$100.00	Princess Charming, flesh pink.....	3.00	25.00
Rosette, dark pink.....	6.00	50.00	May day, deep flesh.....	3.00	25.00
Wodenethe.....	6.00	50.00	Rose Pink Enchantress.....	3.00	25.00
Gloriosa , medium pink.....	4.00	35.00	Washington , dark pink.....	3.00	25.00
Pink Delight, flesh pink.....	6.00	50.00	(Sport of Enchantress)		
Conquest, overlaid pink.....	4.00	35.00	Alvina, very free.....	3.00	25.00
White Wonder , pure white.....	3.00	25.00	Victory, scarlet.....	3.00	25.00
White Enchantress, pure.....	3.00	25.00	Scarlet Glow, scarlet.....	3.00	25.00
White Perfection.....	3.00	25.00	Bonfire, scarlet.....	3.00	25.00
Enchantress, flesh pink.....	3.00	25.00	Beacon, scarlet.....	3.00	25.00

CHICAGO CARNATION CO.

30 E. Randolph St.,

CHICAGO, ILL.

PRIMROSES

	Per 100	Per 1000
Obconica, Alba, Rosea, and Gigantea, 2 1/4 pots.....	\$1 50	\$12 00

ASPARAGUS

Plumosus, 2 1/4 pots.....	2 00	18 00
Sprengeri.....	2 00	15 00

VINCA VARIEGATA

3-inch Pot Plant.....	4 00
-----------------------	------

S. A. Nutt and Poitevine, 2 1/4-in. pots, \$3.00 per 100;
\$25.00 per 1000.

Buchner, \$2.50 per 100; \$20.00 per 1000.

Pansy Plants, giant flowers, \$2.50 per 1000.

CASH OR C. O. D.

JOSEPH H. CUNNINGHAM, Delaware, Ohio

Mention the American Florist when writing

MISCELLANEOUS PLANTS

For immediate or future shipment from 2-in. pots.

	100	1000
Hardy English Ivy.....	\$2.00	\$18.50
Lantana, fifteen varieties.....	2.00	18.50
Lemon Verbena, Aloysia Citridora.....	2.00	18.50
Moonvine, white and blue.....	2.00	18.50
Petunia, double mixed colors.....	2.00	18.50
Salvia, Bonfire and Zurich.....	2.00	18.50
Parlor Ivy.....	2.00	18.50
Swainsona, Alba and Rosea.....	2.00	18.50
R. Vincent Jr. & Sons Co., White Marsh, Md.		

Mention the American Florist when writing

Ferns for Dishes

Best varieties, 2 1/4-in., \$3.50 per 100 \$30.00 per 1000.
500 at 1,000 rate. Cash with Order.

FRANK OECHSLIN,

4911 Quincy St., CHICAGO

Mention the American Florist when writing

It Is Said

A Sharp Knife Makes A Tender Turkey. Apparently it does but in reality it does not.

It is also said certain CHRYSANTHEMUMS possess Commercial Qualities which do not meet the requirements of most Growers. Many of the novelties are worthy of trial; some of the older sorts are among the best.

If undecided what to grow for 1913 crop, ask for our catalogue now ready. We will be pleased to make suggestions to those who can not determine their needs. The third edition of **Smith's Chrysanthemum Manual** is ready now. The most complete and comprehensive work on this subject. Price, 50c postpaid.

ELMER D. SMITH & CO.

ADRIAN, MICH.

SUNBURST

Extra Choice Young Plants own root in 2 1/2-in. pots.
per 100, \$20.00; Ready March 1st, per 1000, \$150.00
Rooted Cuttings, 25% less than above and Ready Feby. 1st.
Also 4000 BEAUTIES, bench plants, 1 year old,
\$7.00 per 100.

BASSETT & WASHBURN

Office, 131 No. Wabash Ave.

CHICAGO

"History Repeats Itself"

Some Roses are like men—they have to be transplanted to bring out their best qualities. American Beauty never attained the importance in its native France as "Mme. Ferdinand Jamain," that it has in America. The same was true of "Katherine Mermet," from which we got the two sports Bride and Bridesmaid. Liberty and Killarney never developed under the weepy skies of Ireland as they did in America.

The latest aspirant, "**MRS. GEO. SHAWYER**," we predict will find its way to the front just as have the varieties mentioned. Come and see it growing and convince yourself. \$30.00 per hundred; \$250.00 per thousand. Grafted or own root.

"MILADY" The New Crimson, per hundred, - \$ 30.00
per thousand, - 250.00

CARNATIONS

Enchantress Supreme and Salmon Beauty, two fine sports from Enchantress. } \$12 per 100
Commodore, the freest Xmas blooming scarlet we have. } \$100 per 1000
Northport, the leader in the dark pink section.

Rosette, St. Nicholas and Benora, - - \$6.00 per 100; \$50.00 per 1000

Also All the Standard Varieties of Carnations.

Chas. H. Totty, Madison, N. J.

CARNATIONS

Rooted Cuttings, Season 1913.

January delivery.

	Per 100	Per 1000
Rosette.....	\$6 00	\$50 00
St. Nicholas	6 00	50 00
Benora.....	6 00	50 00
Gloriosa.....	4 00	30 00
White Wonder.....	3 00	25 00
White Perfection.....	3 00	25 00
White Enchantress.....	3 00	25 00
Enchantress.....	3 00	25 00
Rose Pink Enchantress.....	3 00	25 00
Scarlet Glow.....	3 00	25 00
Mrs. C. W. Ward.....	3 00	25 00
Bonfire.....	3 00	25 00

Rooted Cuttings Our Specialty. Fine stock; even size; well rooted cuttings.

F. DORNER & SONS CO.
LA FAYETTE, IND.

Philadelphia Notes.

H. Bayersdorfer & Co. had the misfortune to have the rear of their new autocar smashed in by a street car the first day it was on the street. Nobody was hurt and the car is again in service.

Exceptionally fine carnations are seen in quantity at the Leo Niessen Co.'s establishment. Two first class Autocars are now used in making deliveries.

Berger Bros. are featuring sweet peas and white lilac. Special stocks of both these popular flowers are received daily.

Edward Reid reports an exceptional line of fancy carnations. His stock of these is very fine. K.

SEASONABLE STOCK

Pandanus Utilus, 3-in. pots, \$10.00 per 100; 4-in. pots, \$20.00 per 100.

Adiantum Croweanum, 4-in. pot plants, \$15.00 per 100.

Adiantum Cuneatum, strong 4-in., at \$10.00 per 100.

Cibotium Schiedel 6-in. pots, 10-12-in. fronds, 2 ft. spread, \$1.50 each.

Fern Dish Ferns, all the best sorts including Cyrtomium Falcatum, and

Aspidium Tsussimense, \$3.00 per 100; \$25.00 per 1000.

Bargain! Kentia Forsteriana, a special bargain in single specimen plants,

perfect condition, 66 in. high, 6 to 7 leaves, in 10 in. green tubs, \$7.50.

Made up Kentia Forsteriana, 8 in. tubs, 4 plants in a tub, 48 to 52 in. high,

\$6.50 each.

Calla Ethiopica, 3-in. strong, need shift, \$7.00 per 100.

New Baby Rambler Rose, Erna Teschendorf, strong 2-yr. field grown plants,

\$4.00 per dozen, \$30.00 per 100. This is the best Red Baby Rambler of all.

English Ivy, strong 4-in., two or more shoots, \$12.00 per 100.

Dracaena Indivisa, strong 6-in. pot plants, \$35.00 per 100, 5-in. \$20.00 per 100

(Pot grown stock).

THE STORRS & HARRISON CO. - Palmsville, Ohio.

Mention the American Florist when writing

Geraniums

Coleus

ROOTED CUTTINGS ONLY.

S. A. Nutt.....\$12.50 per 1000

Ricard. 15.00 " "

Poltevine..... 15.00 " "

Next delivery Feb. 17th.

ROOTED CUTTINGS ONLY.

Red, Yellow and general assortment
at \$6.00 per 1000.

Giant leaved, \$1.50 per 100.

Next delivery Feb. 3rd.

GUARANTEED STOCK: I ASSUME ALL RISKS.

ALBERT M. HERR, Lancaster, Pa.

Quality in Young Stock

NEW ROSES.

MILADY and MRS. GEO. SHAWYER

Grafted..... per 100, \$30.00 Per 1000, \$250.00
Own Root..... " " 30.00 " " 250.00

KILLARNEY QUEEN and DOUBLE WHITE KILLARNEY

Two new Roses of last season.

Grafted..... per 100, \$20.00 Per 1000, \$150.00
Own Root..... " " 12.00 " " 100.00

CARNATION CUTTINGS.

ROSETTE, ST. NICHOLAS, BENORA

Rooted Cuttings..... per 100, \$6.00 Per 1000, \$50.00

BEACON

Rooted Cuttings..... per 100, \$3.50 Per 1000, \$30.00

MRS. CHAS. RUSSELL

Grafted..... per 100, \$35.00 Per 1000, \$300.00
Own Root..... " " 30.00 " " 250.00

KILLARNEY, WHITE KILLARNEY, MY MARYLAND, DOUBLE PINK KILLARNEY, MRS. TAFT (Rivoire) RADIANCE, MRS. AARON WARD, LADY HILLINGDON, RICHMOND

Grafted..... per 100, \$15.00 Per 1000, \$120.00
Own Root..... " " 7.50 " " 60.00

CHRYSANTHEMUMS.

The Best Commercial Varieties in Existence.

CHRYSOLOREA, UNAKA, CHADWICK SUPREME, DECEMBER GEM, CHAS. RAZER, W. R. BROCK

Rooted Cuttings, \$4.00 per 100, \$30.00 per 1000. 250 of a variety at the 1000 rate.

New varieties and a list of the best commercials given in full in our catalogue.

POMPONS

FAIRY QUEEN, the best pink; HELEN NEWBERRY, the best late white, from 2¼-inch pots, \$6.00 per 100, \$50.00 per 1000

TO COVER THE SEASON CONSIDER THE LIST BELOW AND SEND IN YOUR ORDER.

WHITE—Nio, Baby Margaret, Diana. YELLOW—Overbrook, Mertsham Tints, Baby, Quinola, Souvenir d'Or (Mrs. Frank Beu). PINK—Eleganta, Alena, Mintia, Alma. BRONZE YELLOW—Miss Julia, Allentown. RED—Rufus, Lyndhurst, Julia Lagraver. From 2-in. pots, \$3 per 100, \$25 per 1000. 5 varieties at the 100 rate; 250 at the 1000 rate

SINGLES. A collection of the twelve best varieties for cut sprays.

BEDDING STOCK—COLEUS in quantity, SALVIA, ALTERNANTHERA, HELIOTROPE, AGERATUM, ACHYRANTHES.

No order too large for our wholesale department. Use printed stationery or enclose your card. Wholesale prices to the trade only.

A. N. PIERSON, Inc., Cromwell, Conn.

...NEW ROSE...

"Mrs. Charles Russell"

OWING to the great demand for plants, our root stock is all sold out until later in the season, but grafted plants may still be had in quantity, as we have 12000 growing in our houses from which to make stock. Orders will be filled strictly in rotation.

Prices on Grafted Stock:

12	100	250	500	1000	2500	5000
\$7.50	\$35.00	\$82.50	\$150.00	\$300.00	\$687.50	\$1250.00

WABAN ROSE CONSERVATORIES,

Natick, Mass.

Miscellaneous Plants

Smilax, 2-in., per 100, \$1.00. Dracaena Indivisa 2-in., per 100, \$2.00. New Double Daisy, Mrs. F. Sander, 2-in., per 100, \$2.00. Cryptomeria Japonica, 2-in., per 100, \$5.00. Asparagus Plumosus, 2-in., per 100, \$2.00; 3-in., per 100, \$3.00. Good stock, good packing and prompt shipment.

Elmer Rawlings, Wholesale Florist, Olean, N. Y.

ROOTED CUTTINGS.

	Per 100.	Per 1000
Verbenas.....	\$0.70	\$ 6.00
Ageratums.....	.60	5.00
Heliotrope, Daisies, Salvias..	1.00	8.00
Feverfew, Petunias.....	1.25	10.00
Coleus.....	.70	6.00
Alyssum, Double.....	1.00	8.00

Cash with orders. Express Paid. Write

S. D. Brant, Clay Center, Kans.

Mention the American Florist when writing

T^BR^eO^sE^tS^s

THE LEEDLE FLORAL COMPANY
SPRINGFIELD, OHIO.

Mention the American Florist when writing

Charles H. Totty

MADISON, NEW JERSEY

Wholesale Florist

Chrysanthemum Novelties my Specialty

Mention the American Florist when writing

A FEW GOOD THINGS YOU WANT.

Geraniums, Nutt. Buchner, Ricard, Perkins Poitevine, 2-in., \$2.00 per 100; 3 in., \$5.00 per 100, Boston and Whitman Ferns, 3-in., 10c; 4-in., 15c; 5 in., 25c. Dracaena Ind., 3-in., \$5.00; 4-in., \$10.00; 5-in., \$25.00 per 100. Vinca Var., 2-in., 2c. Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus Plumosus, 2-in., \$3.00 per 100. Heliotrope, Scarlet Sage, Lemon Verbenas, Cigar Plant, 2-in., \$2.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

The Early Advertisement
Gets There.

Index to Advertisers.

- Advance Co The.....1532
 Aggeler & Musser
 Seed Co.....1514
 Albany Cut Flower Ex.1503
 Alpha Floral Co.....1505
 American Spawm Co.1518
 Amling E C Co.....1499
 Anderson S A.....1505
 Andorra Nurseries.....1520
 Angermueller G H.....1500
 Aphine Mfg Co.1518 1530
 Archias Floral Co.....1508
 Aschmann Godfrey.....1520
 Atlanta Floral Com-
 mission Co.....1501
 Atlanta Floral Co.....1506
 Auburndale Gold
 Fish Co.....1498
 Bader Jno & Co.....1519
 Barrows H H & Son.....1517
 Bassett & Washburn
1492 1521
 Batavia Greenhouse
 Co.....1498
 Baur Window Glass
 Co.....1530
 Bauscher John.....1509
 Bayersdorfer H.....1529
 Beaven E A.....1504
 Begerow's.....1508
 Berger Bros.....1500
 Berning H G.....1500
 Berterman Bros Co.1506
 Blackstone.....1508
 Blair Robt. T.....1524
 Bobbink & Atkins.....1520
 Doddington A T.....11
 Bodger J & Sons Co.....11
 Boland J B Co.....1505
 Bolgiano J & Sons.....11
 Rowe M A.....1507
 Bramley & Son.....1508
 Brant S D.....1523
 Braslan Seed Grow
 Co.....1500
 Breitmeyer J Sons.....1506
 Brown Alfred J Seed
 Co.....1510
 Brownell C W & Co.1540
 Bruns H N.....11
 Buchbinder Bros.....1529
 Buckbee H W.....1508
 Budlong A.....1499
 Burpee W A & Co.1511
 Caldwell the Woods-
 man Co.....1504
 California Seed Grow
 Assn.....1510
 Camp Condit Co.....111
 Carbone Philip L.....1508
 Castner Benj. F.....1514
 Chicago Carn Co.....1511 1499
 Chicago Flower
 Growers Assn.....1497
 Chicago House
 Wrecking Co.....1532
 Clark E B Seed Co.....11
 Clark's Sons David.....1507
 Cleveland Cut
 Flower Co.....1507
 Coles & Co.....1517
 Conard & Jones.....1505
 Cooke Geo H.....1504
 Cottons Geo & Co.1528
 Cowe W J.....1514
 Coy H C Seed Co.....1529
 Craig Robt Co.....1520
 Critchell C E.....1501
 Cunningham Jos H.....1521
 Dailledouze Bros.....1517
 Dammann & Co.....1512
 Daniels & Fisher.....1507
 Dards Chas.....1506
 Deamud J B Co.....1497
 Denaffe & Son.....1510
 Derby Henry.....1531
 Detroit Flower Pot
 Mfy.....111
 Dietsch A & Co.....111
 Diller Caskey &
 Keen.....1532
 Dillon J L.....1509
 Dingee & Conard Co.1517
 Dorner F & Sons.....1522
 Dreer H A.....1519 111
 Duerr Chas A.....1507
 Dunlop John H.....1508
 Dwellie Kaiser Co
 The.....1530
 Edwards Folding
 Box.....1524
 Elk Galax & Fern
 Co.....1504
 Emmans Geo M.....1528
 Erie Floral Co.....1
 Erne & Klingel.....1498
 Esperance L Nurs.....1520
 Ever Ready Flower
 Pot Cover Co.....1498
 Eyres H G.....1507
 Fish Henry Seed Co.1515
 Florists' Hail Assn.....1529
 Foley Mfg Co.....111
 Fottler, Fiske,
 Rawson Co.....11
 Franklin Plant Farm 1518
 Franzen F O.....1516
 Freeman Mrs J B.....1508
 Freeman & Sons S.....1529
 Froment H E.....1503
 Galvin Thos F.....1507
 Garland G M.....1528
 Gasser J M Co.....1507
 Genny Bros.....1508
 Giblin & Co.....1532
 Godineau R & M.....1512
 Gorham & Chapline 1531
 Grand Rapids
 Flower Co.....1507
 Groves Robert.....1504
 Gude Bros.....1506
 Hatcher, Florist.....1508
 Haven Seed Co The 1512
 Heacock Jos Co.....1509
 Heint John & Son.....1505
 Henderson A & Co.1514
 Herr Albert M.....1522
 Herrmann A.....1528
 Hess & Swoboda.....1506
 Hews A H & Co.....111
 Hilfinger Bros.....111
 Hittings & Co.....1529
 Hines E Lumber Co.1532
 Hoerber Bros.....1499
 Hoffman Flo Artist.....1507
 Hoffmeister Flo Co.1501
 Holm & Olson.....1506
 Holton & Hunkel Co.1500
 Home Cor School.....1504
 Hooker H M Co.....1530
 Hurff Edgar F.....1515
 Igoo Bros.....1524
 Illinois Pipe Mfg Co.1532
 Isbell S M & Co.....11
 Jackson & Perkins.....1519 1520
 Johnson J Oliver.....1512
 Johnson W W & Son 1512
 Johnston Glass Co.1530
 Jones Percy.....1495
 Kasting W F Co.....1501
 Keller Geo & Sons.....111
 Keller J B & Sons.....1508
 Kellogg Geo M.....1505
 Kennicot Bros.....1499
 Kervan Co The.....1503
 Kessler W A.....1503
 Kift Robt.....1507
 King Construct Co.1531
 Kobl A F.....111
 Koblischreiber F.....1514
 Kramer I N & Son.....111
 Kroeschell Bros Co.1530
 Kruchten John.....1499
 Kuehn C A.....1500
 Kuhl Geo A.....1516
 Kyle & Foerster.....1499
 LaCrosse Floral Co.1505
 Lager & Hurrell.....1
 Lange A.....1505
 Landreth Seed Co.....11
 Lecakes N L & Co.1503
 Lederer.....1529
 Leedie Floral Co.....1523
 Lehman Bros.....1529
 Leonard Seed Co.....1512
 Los Angeles Flower
 Market.....1515
 Lyndhurst Farm.....1519
 McCallum Co.....1501
 McConnell Alex.....1505
 McCoy L W.....1508
 McCullough's J M
 Sons Co.....1501
 McHutchinson & Co 11
 McKellar Chas W.....1498
 McKenna P & Son.....1507
 Mann Otto.....1512
 Mailander W M.....1524
 Mangel.....1505
 Matthews Florist.....1507
 May & Co L L.....1505
 Meconi Paul.....1503
 Merwart S M & Bro.1515
 Metropolitan Mate-
 rial Co.....1528
 Mette Henry.....1518
 Meyer John C & Co.1504
 Michigan Cut Flower
 Exchange.....1504
 Miller E S.....1512
 Moninger J C Co.....111
 Montreal Floral Ex.1501
 Moore, Hentz &
 Nash.....1503
 Morehead Mfg Co.....1532
 Mt Gilead Pottery
 Co.....111
 Murray Samuel.....1506
 Myers Florist.....1508
 Nat Flo B of Trade.1532
 N Y Cut Flower Ex.1503
 Niessen Leo Co.....1501
 Oechslein Frank.....1521
 Oklahoma Seed Gro
 Co.....1512
 Palmer W J & Son.....1506
 Park Floral Co.....1506
 Peacock Dahlia Fmsl 1520
 Pedrick Geo & Son.1514
 Pelicano, Rossi &
 Co.....1506
 Pennock-Meehan Co.153
 Penn the Florist.....1506
 Peters & Reed Poty 111
 Peterson & Sons J A 1
 Pierson A N (Inc).....1509 1523
 Pierson F R Co.....1
 Pierson U-Bar Co.1531
 Pieters & Wheeler
 Seed Co.....1510
 Pillsbury I L.....1528
 Pinkston Jas E.....1504
 Pittsburg Cut Flo Co.1501
 Podesta & Baldocchi 1507
 Poehlmann Bros Co
1493 1516
 Pollworth C C Co.....1500 1507
 Pulverized Manure
 Co.....1530
 Quaker City Machine
 Works.....1529
 Raedlein Basket Co.1498
 Randall A L Co.....1499
 Randolph & Mc
 Clements.....1531
 Ratekin's Seed H'sel 1512
 Rawlings Elmer.....1523
 Ready Reference.....1525
 Reed & Keller.....1532
 Regan Ptg House.....111
 Reid Edw.....1501
 Reinberg Geo.....1499
 Reinberg Peter 1495 1519
 Reuter Chris.....1512
 Rice Bros.....1500
 Rice Co. M.....1504
 Robinson J C Seed Co 11
 Rock W L Co.....1506
 Roemer Fred.....1512
 Rohmert Seed Co.....11
 Routhahn Seed Co.....1500
 Rusch G & Co.....1507
 Saakes O C.....1507
 Saltford Flower Shop 1506
 Sawyer Albert A.....1515
 Scheel F F.....1516
 Schilder Bros.....1512
 Schiller, the Florist.1508
 Schillo Adam.....1524
 Schlatter W & Son.1524
 Schling Max.....1508
 Schmidt J C.....1517
 Schulz Jacob.....1506
 Scott John.....1517
 Shaffer Geo C.....1507
 Sharp Partridge & Col 1530
 Siebrecht & Sie-
 brecht Inc.....1503
 Situation & Wants.....1491
 Skidelsky S S & Co.1512
 Smith A W & Co.....1507
 Smith E D & Co.....1521
 Smith & Hemenway 1531
 Smith Henry.....1507
 Smith Wm C.....1500
 Smith W & T Co.....1
 Stearns Lumber Co.1528
 Stoothoff H A Co.....1530
 Storrs & Harrison.....1514 1518 1522
 Superior Machine
 & Boiler Works.....1528
 Syracuse Pottery Co 111
 Taylor Hugh M.....1512
 Taylor Steam Trap
 Co.....1532
 Texas Seed & Flowr
 Co.....1505
 Thompson Car Co.....1516
 Thorburn J M & Col 1512
 Totty Chas H.....1522 1523
 Trimble W E
 Greenhouse Co.....1499
 Valentine Frank.....1505
 Vaughan A L & Co.1496
 Vaughan's Seed Store 1
 1512 1513 1516 1517
 1520 1531 111
 Vestals.....1508
 Vick's Sons Jas.....1515
 Vincent R Jr. 1518 1521
 Virgin U J.....1508
 Waban Rose Cons.....1523
 Wagner Park Cons.....111
 Walker F A & Co.....1508
 Ward & Co. R M.....11
 Watkins & Simpson 1516
 Weiland & Risch.....1499
 Welch Bros.....1501
 Western Seed &
 Irrigation Co.....1512
 Wieter Bros.....1494 1498
 Wilks S Mfg Co.....1528
 Wilson R G.....1505
 Winandy M & Co.....1524
 Windler Wholesale
 Florist Co.....1500
 Wittbold G Co.....1505
 Wittbold Henry.....1499
 Wolfkill Bros &
 Morris Goldenson 1507
 Wood Bros.....1516
 Woodruff S D & Son.1514
 Yokohama Nurs Co. 11
 Young & Nugent.....1505
 Zech & Mann.....1499
 Ziska Jos.....1499



Wm. Mailander Greenhouse Contractor Morton Grove, Ill.

Estimates for greenhouse construction work in 1913 can be furnished now.

Mention the American Florist when writing



No lose you mend your split carnations with
Super Carnation STAPLES
 50c per 1000 postpaid.
Wm. Schlatter & Son,



BEFORE 422 Main St., Springfield, Mass. AFTER
 Mention the American Florist when writing



Model Extension Carnation Support

Made with two or three circles. Endorsed by all the Leading Carnation Growers as the best support on market

Pat. July 27, '97, May 17, '98
GALVANIZED WIRE ROSE STAKES.

Write for prices before ordering elsewhere.

Prompt shipment guaranteed

IGOE BROS.

266 N. 9th St.
 BROOKLYN, N. Y.

Mention the American Florist when writing

GREENHOUSE GLAZING.

Big jobs a specialty
 Prices on application

ROBT. T. BLAIR,

122 E. Wood Ave., COLUMBUS, OHIO

Mention the American Florist when writing

Pecky Cypress

We are SPECIALISTS

in this line, having been practically the first to sell to the trade. Get the value of our long experience. Perfect satisfaction guaranteed. Rock-bottom prices. Pecky Cypress, because of its durability, is the only wood now being used for greenhouse benches. Will ship in any quantity, carload or less.

Drop Siding, Ship Lap, Flooring, White Cedar Posts, Etc.
 Everything in Lumber. Write for prices

ADAM SCHILLO LUMBER CO.

Hawthorne and Weed Sts.,
CHICAGO.
 L.D. Phones: Lincoln 410 and 411

Mention the American Florist when writing

M. WINANDY CO., Mrs.

Greenhouse builders and manufacturers of
**WINANDY'S NEW BENCH
 AND HEATING SYSTEM.**

Write for particulars.

6236 N. Lincoln St. CHICAGO
 Telephone Ravenswood 607.

Mention the American Florist when writing

Ready Reference Section.

10 CENTS PER LINE, NET.



AGERATUMS.

Ageratum. A. N. Pierson, Inc., Cromwell, Conn.

ALTERNANTHERAS.

Alternantheras. A. N. Pierson, Inc., Cromwell, Conn.

ARAUCARIAS.

Araucaria excelsa, 5, 5½ and 6-in., 40c to \$1.50. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Araucaria, excelsa, 5-in., \$6 per doz.; \$45 per 100. Holton & Hunkel Co., Milwaukee, Wis.

ASPARAGUS.

Asparagus Sprengeri, 2-in., \$2.50 per 100. Asparagus plumosus, 2-in., \$3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus plumosus, 2¼-in. pots, \$2 per 100; \$18 per 1,000. Sprengeri, 2¼-in., \$2 per 100; \$15 per 1,000. Jos. H. Cunningham, Delaware, O. Asparagus plumosus and Sprengeri, 2¼-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

Asparagus plumosus, 2¼-in., \$3 per 100; \$25 per 1,000. Sprengeri, 2¼-in., \$2.50 per 100; \$25 per 1,000. Erie Floral Co., Erie, Pa.

Asparagus plumosus and Sprengeri, 2¼-in., \$3 per 100; \$25 per 1,000. James Vicks' Sons, Rochester, N. Y.

Asparagus Sprengeri and plumosus, 4-in., 10c; 2¼-in., 4c; 3-in., 6c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Asparagus plumosus, 2-in., \$2 per 100; 3-in., \$3 per 100. Elmer Rawlings, Olean, N. Y.

ASPIDISTRAS.

Aspidistras, green and variegated, 6-in., 75c to \$1.25. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

AZALEAS.

Azaleas, in bloom. Vervæneana and other colors, 75c to \$1.50. For Easter, assorted, 50c to \$2. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Azaleas. W. & T. Smith Co., Geneva, N. Y.

BAY TREES.

Bay trees and box trees; all sizes. Write for special list. Julius Roehrs Co., Rutherford, N. J.

Bay trees. McHutchison & Co., 17 Murray St., New York.

BEGONIAS.

Begonias, Gloire de Lorraine and Cincinnati, in bloom, 5½ and 6-in., 50c to \$1. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

BOXWOOD.

Boxwoods. McHutchison & Co., 17 Murray St., New York.

BULBS.

Bulbs. Gladiolus Pink Augusta, \$2.50 per 100; \$20 per 1,000. A few extra selected bulbs, \$2.75 per 100; \$25 per 1,000. Florists' Mixture, \$2 per 100; \$16 per 1,000; White, light and pink, \$2.25 per 100; \$18 per 1,000. Cash. Also Augusta, Francis King, Mme. Monneret, Taft, Klondyke. STEVEN'S GLADIOLI CO., Saginaw, W. S., Mich.

Bulbs, liliun multiflorum, L. giganteum. For prices, see advertisement on second cover page. Ralph M. Ward & Co., 71 Murray St., New York.

Bulbs, bedding hyacinths, white, red and blue, \$1.60 per 100; \$15 per 1,000. James Vicks' Sons, Rochester, N. Y.

Bulbets of America, Augusta, Independence, Klondyke, Mrs. F. King, Groff's Hybrids, Sec. 2 light, \$1.50 per quart (about 4,000). Clark Brown, Asbland, Mass.

Gladiolus America, 1st size, \$3 per 100; \$25 per 1,000; medium size, \$2.50 per 100; \$20 per 1,000. Spirea Gladstone, \$8.50 per 100; Florabunda, \$5; Superba, \$6; Queen Alexandra, \$10. The Storrs & Harrison Co., Painesville, Ohio.

Bulbs. For varieties and prices see advertisements elsewhere in this issue. Vaughan's Seed Store, Chicago and New York.

Spirea, strong clumps. Floribunda, \$1 per doz.; \$7 per 100; Gladstone, \$1.25 per doz.; \$9 per 100. A. Henderson & Co., 352 N. Michigan Ave., Chicago.

Bulbs. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Bulbs. McHutchison & Co., 17 Murray St., New York.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Callas, Japanese brown. Yokohama Nursery Co., 31 Barclay St., New York.

Bulbs. Arthur T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. James Vicks' Sons, Rochester, N. Y.

Bulbs. E. S. Miller, Wading River, N. Y.

CALLAS.

GODFREY CALLAS.

2¼-in., \$4.00 per 100.

CONARD & JONES CO.,

WEST GROVE, PENNSYLVANIA.

CANNAS.

CANNAS. Fine 2 to 3 Bulbs.

Sec. Chabane	\$1.50 per 100
Robusta	1.00 per 100
Paul Marquant	2.00 per 100
Mlle. Berat	2.50 per 100
Pres. Cleveland	2.50 per 100
Pennsylvania	3.00 per 100
C. F. Read	3.00 per 100
Henry George	4.00 per 100
Chas. Henderson	4.00 per 100
Papa Nardy	5.00 per 100
Marvel	5.00 per 100
David Harum	5.00 per 100
King Humbert	7.00 per 100
Cinnabar	1.00 per 100
Mixed	1.00 per 100

WAGNER PARK CONSERVATORIES, Sidney, O.

IMPROVED CANNAS.
"There can be no question that could the florists see those cannas, they would be in every collection in the country."—John Welsh Young, referring to CONARD & JONES CANNAS.
Mrs. Alfred F. Conard, pink.....\$35.00 per 100
Beacon, red.....20.00 per 100
Gladiodora, variegated.....15.00 per 100
Meteor, red.....25.00 per 100
Rosa gigantea, pink.....25.00 per 100
Wm. Saunders, red, with bronze leaf 10.00 per 100
Mt. Blanc, near white.....10.00 per 100
Kate F. Deemer, yellow.....35.00 per 100
F. o. b. at headquarters for improved cannas.
Write for complete list to

THE CONARD & JONES CO., WEST GROVE, PENNSYLVANIA.

Two million CANNA ROOTS in 100 best varieties, from \$7 per 1,000 up. Also Caladiums, Begonias, tuberous rooted; Dahlias, Gladiolus, Gloxinias, Tuberose, etc. How many and what kind do you want this spring? Early orders get low prices. Shellroad Greenhouses, Grange, Baltimore, Md.

CARNATIONS.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Gloriosa, \$4 per 100; \$30 per 1,000. White Wonder, White Perfection, White Enchantress, Enchantress, Rose Pink Enchantress, Scarlet Glow, Mrs. C. W. Ward, Bonfire, \$3 per 100; \$25 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

ROOTED CARNATION CUTTINGS.

150,000 in the following varieties ready for immediate deliveries:

	Per 100	Per 1,000
The Herald, scarlet	\$12.00	\$100.00
Rosette, dark pink	6.00	50.00
Wodenethe	6.00	50.00
Gloriosa, medium pink	4.00	35.00
Pink Delight, flesh pink	6.00	50.00
Conquest, overlaid pink	4.00	35.00
White Wonder, pure white	3.00	25.00
White Enchantress, pure	3.00	25.00
White Perfection	3.00	25.00
Enchantress, flesh pink	3.00	25.00
Princess Charming, flesh pink	3.00	25.00
May day, deep flesh	3.00	25.00
Rose Pink Enchantress	3.00	25.00
Washington, dark pink	3.00	25.00
(Sport of Enchantress)		
Alvina, very free	3.00	25.00
Victory, scarlet	3.00	25.00
Scarlet Glow, scarlet	3.00	25.00
Bonfire, scarlet	3.00	25.00
Beacon, scarlet	3.00	25.00

CHICAGO CARNATION CO., Chicago, Ill.
30 E. Randolph Street.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1,000
Princess Charming	\$2.00	\$20.00
Enchantress	2.00	18.00
White Enchantress	2.00	20.00
Washington	2.00	18.00
Lawson	1.50	12.50
White Lawson	1.50	12.50
White Perfection	2.00	18.00
Winsor	1.50	12.50
Victory	1.50	12.50
Bonfire (finest red)	3.00	25.00

WIETOR BROS., Chicago, Ill.
162 N. Wabash Ave.

CARNATION CUTTINGS.

For January delivery.
Per 100 Per 1,000
Wodenethe\$6.00 \$50.00
White Wonder 4.00 35.00
White Enchantress 3.00 25.00
Enchantress 3.00 25.00
Beacon 3.00 25.00
Rose Pink Enchantress.....2.50 20.00
J. D. THOMPSON CARNATION CO., JOLIET, ILL.

"Colorado Grown Plants Beat Them All."
Rooted Carnation Cuttings for present or later delivery. White Enchantress, Mrs. C. W. Ward, Beacon and Bassett, \$3 per 100; \$25 per 1,000. Pink Enchantress and Victory, \$2.50 per 100; \$20 per 1,000. Winsor and White Lawson, \$2 per 100; \$15 per 1,000. Cash or reference. ELITCH-LOUG GREENHOUSES, Denver, Colo.

Carnations, rooted cuttings, strong, healthy stock out of sand: Winsor, Victory, \$1.50 per 100; \$13 per 1,000. White Perfection, Pink Enchantress, \$2 per 100; \$17 per 1,000. White Enchantress, \$2.50 per 100; \$20 per 1,000; 250 at 1,000 rates. Cash or C. O. D. NORTH-WESTERN FLORAL CO., Gross Point, Ill.

Carnations, Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Beacon, \$3.50 per 100; \$30 per 1,000. White Wonder, White Enchantress, White Perfection, Mrs. C. W. Ward, Enchantress, May Day, \$3 per 100; \$25 per 1,000. A. N. Pierson, Inc., Cromwell, Conn.

Carnations, Northport, Commodore, Enchantress Supreme, and Salmon Beauty, \$12 per 100; \$100 per 1,000. Rosette, St. Nicholas, Benora, \$6 per 100; \$50 per 1,000. Chas. H. Totty, Madison, N. J.

Carnations, Beacon, White Enchantress, Rose Pink Enchantress, White Perfection, \$2.50 per 100; \$17.50 per 1,000. Peter Reinberg, 30 East Randolph St., Chicago.

Carnation Enchantress Supreme, 12 rooted cuttings, \$3; 25, \$5; 50, \$7; 100, \$12; 1,000, \$100. Dailledouze Bros., Lenox Road and Troy Ave., Brooklyn, N. Y.

Comfort carnation cuttings, \$4 per 100; \$30 per 1,000. S. M. Merwarth & Bros., Easton, Pa.
Carnations. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Carnations. Wood Bros., Fishkill, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

Carnations, C. W. Ward, White Enchantress, Beacon, \$2.25 per 100; \$20 per 1,000. F. F. Scheel, Shermerville, Ill.

Carnations, J. L. Dillon, Bloomsburg, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, rooted cuttings, good, strong ones. Josephine, early yellow, are gone when Bonnafon comes, \$1 per 100. Advance, Polly Rose, Major Bonnafon, 75c per 100, Cash. C. L. Humphrey, Zanesville, Ohio.

Chrysanthemums, all the leading varieties. For prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Chrysanthemums, all the leading varieties. Elmer D. Smith & Co., Adrian, Mich.

CLEMATIS.

Clematis. W. & T. Smith Co., Geneva, N. Y.

COLEUS.

Coleus. A. N. Pierson, Inc., Cromwell, Conn.

Coleus. A. M. Herr, Lancaster, Pa.

CYCLAMEN.

CYCLAMEN GIGANTEA, in bud and bloom. Best strain of large, strong plants, for size of pots, 4-in., \$2 per doz.; 4½-in., \$3 per doz. August seedlings, 12 best varieties, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Cyclamen, in bloom, 5-in., 50c each; \$5 per doz.; 6-in., 75c each; \$7.50 per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Cyclamen, 4 and 5½-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

DAHLIAS.

DAHLIAS. Undivided Field Clumps.		
Snowflake	\$1.00 per doz.	\$6.00 per 100
Snowclad	.75 " "	4.00 " 100
J. H. Roach	.75 " "	4.00 " 100
Olympia	.75 " "	4.00 " 100
Countess of Lonsdale ..	1.00 " "	6.00 " 100
C. W. Bruton	.75 " "	4.00 " 100
Earl of Pembroke	.50 " "	3.00 " 100
Penelope	.75 " "	4.00 " 100
Eclipse	.75 " "	4.00 " 100
Arabella	.75 " "	4.00 " 100
Black Beauty	.50 " "	3.00 " 100
Mixed	.50 " "	3.00 " 100

WAGNER PARK CONSERVATORIES, Sidney, O.

Dahlias, standard and new cut flower varieties. Lyndhurst Farm, Hammon, N. J.

Dahlias, named sorts, \$1.25 per 100; list free. C. W. Hoffman, route 13, Dayton, O.

DAISIES.

Daisies, Mrs. F. Sander, 2-in., \$2 per 100. Elmer Rawlings, Olean, N. Y.

DRACAENAS.

Dracaena terminalis, 4 and 5½-in., 25c to 40c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Dracaena terminalis, 2½-in. pots, \$10 per 100. J. Roehrs Co., Rutherford, N. J.

Dracaena Massangeana, \$1.25 to \$1.50 each. Poehlmann Bros. Co., Morton Grove, Ill.

Dracaena Ind., 3-in., \$5; 4-in., \$10; 5-in., \$25 per 100. Geo. M. Emmans, Newton, N. J.

EUONYMUS.

EUONYMUS VARIEGATA RADICANS JAPONICA, 2½-in. pots, 5c, 3 and 4-in. pots, 10c. CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

FERNS.

DWARF FERNS FOR FERN DISHES. These dwarf ferns are used by the hundreds of thousands to fill dishes for table decorations. Our sales each year exceed fifty thousand plants. Our stock is in prime condition, ready to use at once. We offer 9 choice varieties, 50c per doz.; \$3.50 per 100; \$30 per 1,000.

Pteris cretica, Victoria, albidula, Aspidium tussimense, Wilsoni, Sieboldii, Mayi, Wimssetti.

Cyrtomium falcatum or holly fern. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO., Largest rose growers in the world. Box 18, SPRINGFIELD, O.

Ferns, Boston, 6-in., 50c each; \$6 per doz.; 7-in., 75c each; \$7.50 per doz.; 8-in., \$1 each; \$10 per doz.; 10-in., \$2.50 each; 12-in., \$3.50 each. Whitman, prices and sizes same as above. Boston, 2½-in., \$3.50 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

BOSTON FERNS. 8-in. extra large, fine stock, \$1. EDW. DOEGE CO., Chicago, Ill. Telephone Irving 215. 4344 N. Springfield Ave.

ROOSEVELT FERNS. 2½-in., \$6.00 per 100. CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA.

Table ferns, 10 varieties, 2½-in., \$3 per 100; \$25 per 1,000; 3-in., \$6 per 100; \$55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Ferns, Boston, \$3 per 100; \$30 per 1,000. Whitman Compacta, 2½-in., \$6 per 100; \$50 per 1,000. Roosevelt, \$6 per 100; \$50 per 1,000. Henry H. Barrows & Son, Whitman, Mass.

Boston Ferns, strong runners, ready for immediate delivery, \$10 per 1,000; \$45 per 5,000; \$85 per 10,000. Cordata Compacta, small runners, \$12 per 1,000. Larger size, \$20 per 1,000. F. M. Soar, Little River, Pa.

Ferns, Scottii, Whitman, Schozeli, Boston. Giatrasi, 5½ to 7-in., 30c to \$1 each. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Ferns for dishes, 2½-in., \$3.50 per 100; \$30 per 1,000; 500 at 1,000 rate. Frank Oechlin, 4911 Quincy St., Chicago.

Pteris Wimssetti, 10,000 extra strong 2-inch, \$3 per 100; \$25 per 1,000. J. F. Kidwell & Brother, 3806 Wentworth Avenue, Chicago, Ill.

FERNS FOR DISHES, assorted, \$3 per 100; \$25 per 1,000. ROBER & RADKE, Maywood, Ill.

Ferns. For varieties and prices see advertisement elsewhere in this issue. Storrs & Harrison Co., Painesville, O.

Ferns. For varieties and prices see advertisement on front cover of this issue. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston. For sizes and prices see advertisement on front cover page. Vaughan's Seed Store, Chicago and New York.

Boston ferns, 25c; Whitman, 4-in., 25c. Geo. M. Emmans, Newton, N. J.

Ferns, John Scott, Rutland Rd. and E. 45th St., Brooklyn, N. Y.

Ferns, Bobbink & Atkins, Rutherford, N. J.

FICUS.

Rubber plants, 6-in., 75c to \$1 each. Ficus pandurata, 7-in., 5 to 6 feet tall, \$4.50 to \$5 each. Poehlmann Bros. Co., Morton Grove, Ill.

Ficus elastica, 5½ and 6-in., 30c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

GERANIUMS.

Geraniums—Good, healthy, fall rooted plants from 2½-in. pots at \$3 per 100; \$27.50 per 1,000 except where noted: Beaute Poltevine, Marq. de Castellane, S. A. Nutt, Jean Vland, La Favorite, A. Ricard, Mme. Landry, Mrs. E. G. Hill, Albion (single white) Mme. Barney, Heteranthe, E. H. Trego, M. Jaulin, Red Wing, 6c each. Our new catalogue will be ready January 1st. Send for a copy of same. THE GOOD & REESE CO., Box 18, Springfield, O.

ROOTED GERANIUM CUTTINGS. The "BIG FOUR" bedders for immediate delivery. S. A. Nutt (dark red), Gen. Grant (bright red), Mme. Buckner (white), A. No. 1 stock, \$1.50 per 100; \$14.00 per 1,000. Beaute Poltevine (salmon), \$1.75 per 100; \$16.00 per 1,000. CASH. THE W. T. BUCKLEY CO., Springfield, Ill.

NEW AMERICAN BEAUTY. For the first time we are offering this wonderful new geranium to our many customers. Write for colored cut and prices on large lots, 2½-in. pots, 50c; \$5 per doz.

JOHN BAUSCHER, JR., Freeport, Ill. 104 Chicago St.

GERANIUMS. MME. SALLEROL, MME. BUCHNER, 2-in. pots, \$2 per 100; \$18 per 1,000.

EDW. DOEGE CO., Chicago, Ill. Telephone Irving 215. 4344 N. Springfield Ave.

Mme. Sallerol, 2-in., \$2 per 100; \$18 per 1,000. Orders booked now for 2½-in. geraniums, January and February delivery. Write for prices. ROBER & RADKE, Maywood, Ill.

Geraniums, S. A. Nutt, Poltevine, 2½-in., \$3 per 100; \$25 per 1,000. Buchner, \$2.50 per 100; \$20 per 1,000. Jos. H. Cunningham, Delaware, O.

Five thousand Sallerol geraniums, strong, 2-in., fall propagated, \$20 per 1,000. Also three thousand strong 4-in. Smilax. G. Fleischner, Pueblo, Colo.

Geraniums, 2-in., \$2 per 100; \$18.50 per 1,000; 3-in., \$3 per 100; \$25 per 1,000. R. Vincent, Jr. & Sons Co., White Marsh, Md.

Geraniums, rooted cuttings, Ricard and Poltevine, \$15 per 1,000. S. A. Nutt, \$12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, rooted cuttings, S. A. Nutt, double, Chifton, single, same color as Nutt, \$15 per 1,000. H. F. Gerhardt, Wilmette, Ill.

Geraniums, Nutt, 2½-in., \$2.50 per 100. Erie Floral Co., R. F. D. No. 2, Erie, Pa.

Geraniums, Mme. Sallerol, 2½-in., \$2.50 per 100. Storrs & Harrison Co., Painesville, O.

Mme. Sallerol geraniums, 2-in., \$1.50 per 100. Cash. C. L. Humphrey, Zanesville, Ohio.

GREENS.

Greens of all kinds. For prices see advertisement elsewhere in this issue. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, huckleberry in standard smilax cases, \$2.50. Green wild smilax, fancy and dagger ferns. Caldwell the Woodsman Co., Evergreen, Ala.

Greens, palm and magnolia leaves. Florida moss, etc. Reduced prices to dealers. Est. 25 years. Victor Schmelz & Son, R. 2, Sanford, Fla.

Bronze galax, \$5 per case; 5 or more cases, \$4.50 per case. C. E. Critchell, 34 E. Third Ave., Cincinnati, O.

Greens. For prices, see advertisement elsewhere in this issue. Elk Galax and Fern Co., Banners Elk, N. C.

Greens, fresh cut evergreens and mosses; decorating material. The Kervan Co., 119 W. 28th St., New York.

Fancy and dagger ferns, \$1.10 per 1,000; 5,000 or over \$1 per 1,000. Robert Groves, 127 Commercial St., Adams, Mass.

Palm leaves, ferns and mosses. Friedrich Kohlschreiber, Hamburg 24.

Southern wild smilax and natural and perpetuated roses. E. A. Beavan, Evergreen, Ala.

Greens of all kinds. N. Lecakes & Co., Inc., 53 W. 28th St., New York.

HYDRANGEAS.

New forcing HYDRANGEA ARBORESCENS GRANDIFLORA ALBA or Hills of Snow. For forcing or immediate sales: 1-yr., field-grown, 12 to 18 inches, 2 canes, \$1.25 per doz.; \$8 per 100; \$75 per 1,000. Select 2 to 3 canes, \$1.50 per doz.; \$10 per 100; \$90 per 1,000. 2-yr., field-grown, 18 to 24 inches, 2 to 3 canes, \$2 per doz.; \$14 per 100; \$120 per 1,000. Our catalogue of everything you need mailed on application. Write for it today.

THE GOOD & REESE CO. Largest rose growers in the world. Box 18, SPRINGFIELD, O.

Hydrangeas, pot-grown for forcing, in 6-in. pots. Otaksa, 5 and 6 branches, \$20 per 100; 4 branches, \$15; 3 branches, \$12; 2 branches, \$10. Thos. Hogg, 5 and 6 branches, \$20; Sou. de Claire, 7 and 10 branches, \$25. Jackson & Perkins Co., Newark, New York.

Hydrangea Otaksa, 4-in. pot-grown, \$8 per 100; field-grown, 3 to 6 shoots, \$10 per 100. Randolph & McClements, Pittsburg, Pa.

Hydrangea Otaksa, for Easter forcing, 6-in., 25c to 50c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Hydrangea Otaksa, 3 to 10 shoots, 15c to 35c. Erie Floral Co., Erie, Pa.

IVIES.

ENGLISH IVY, 2½-in. pots, \$5.00 per 100. CONARD & JONES CO.

WEST GROVE, PENNSYLVANIA. English ivy, strong, 3-in. stock. Write for prices. C. L. Reese, Springfield, O.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., 25c and 35c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

LILY OF THE VALLEY.

To Import. Lily of the valley, largest grower and exporter. E. Neubert, Wandsbek, nr. Hamburg, Germany.

Lily of the valley pips. McHutchison & Co., 17 Murray St., New York.

From Storage.

Lily of the valley, cold storage for Christmas forcing, cases of 250 pips, \$5; 500, \$9.50; 1,000, \$18. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Lily of the Valley. Grow Bruns' celebrated Chicago Market, the finest forcing valley in America, \$18 per 1,000; \$9.50 per 500; \$5 per 250; Florists' Money Maker, \$16 per 1,000; \$8.50 per 500; \$4.50 per 250. H. N. Bruns, 3032-3042 W. Madison St., Chicago.

MANETTI.

Manetti stocks, English-grown, 5-8 m-m, \$12 per 1,000; 3-5 m-m, \$10 per 1,000. Jackson & Perkins Co., Newark, New York.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It

MOSS.

Live Sphagnum moss, only in barrels, \$2 per bbl. The C. W. Brownell Co., Walden, N. Y.

Sphagnum moss. Vaughan's Seed Store, Chicago and New York.

MUSHROOM SPAWN.

Mushroom spawn, Lambert's Pure Culture. American Spawn Co., St. Paul, Minn.

NURSERY STOCK.**SHRUBBERY.**

There are bargains to be had here in such varieties as spiraeas, altheas, weigelas and philadelphus, and this names only a few. We have acres of shrubs, well grown and ready for you. Write for price list.

The Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oaks, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, vines and climbers, autumn bulbs, roots, conifers, pines. Bobbink & Atkins, Rutherford, N. J.

Nursery stock, fruit and ornamental trees, shrubs, evergreens and small fruits. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. Storrs & Harrison Co., Painesville, O.

ONION SETS.

Choice cleaned ONION SETS, red, \$1.25; white, \$1.60; yellow, \$1.15 per bushel of 32 lbs. J. C. Zaplewski & Co., Growers, Norwood Park, Ill.

Onion seed and onion sets. Schilder Bros., Chillicothe, O.

ORCHIDS.

Orchids of all kinds. Lager & Hurrell, Summit, N. J.

PANDANUS.

Pandanus Veitchii, nicely variegated plants, 4-in. pot size, \$10 per 100; 6-in. pot, \$15 per 100; 8-in. pot, \$25 per 100. F. M. Soar, Little River, Fla.

Pandanus Veitchii, 5-in., \$1 each; 6-in., \$1.50; 7-in., \$2.50. Poehlmann Bros. Co., Morton Grove, Ill.

Pandanus Urticifolius, 3-in., \$10 per 100; 4-in., \$20. Storrs & Harrison Co., Painesville, O.

PALMS.

Palms, Kentia Fors., single, 25 to 50 ins. high, 75c to \$2.50. Made-up, \$2.50 to \$4. Belmoreana, 6-in., 50c to 75c; 4-in., 25c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Palms, Kentia Forsteriana, 4-in., 25c each. Belmoreana, 4-in., 25c. Areca lutescens, 3-in., 10c. Lantania Borb., 4-in., 15c. The Dinger & Conard Co., West Grove, Pa.

Palms, Kentia Fors. and Bel. For sizes and prices see advertisement elsewhere in this issue. Henry A. Dreer, Inc., 714 Chestnut St., Philadelphia.

Palms. For varieties and prices see advertisement elsewhere in this issue. Poehlmann Bros. Co., Morton Grove, Ill.

Palms. For varieties and prices see advertisement elsewhere in this issue. Joseph Heacock, Wyncote, Pa.

Palms, John Scott, Rutland Road and E. 45th St., Brooklyn, N. Y.

Palms, McHutchison & Co., 17 Murray St., New York.

Palms, Storrs & Harrison Co., Painesville, O.

PANSIES.

Pansies, \$2.50 per 1,000. Elmer Rawlings, Olean, N. Y.

Pansy plants, \$2.50 per 1,000. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, dbl. fringed, R. C., \$1 per 100; \$9 per 1,000. Elmer Rawlings, Olean, N. Y.

POINSETTIAS.

POINSETTIAS, stock plants, 2 and 3-year-old, \$5 per 100. Cash with order. Rose Hill Nurseries, New Rochelle, N. Y.

PRIMULAS.

Primula Obconica grandiflora and Chinese, 5 1/4-in., \$2 and \$2.50 per doz.; 4-in. Obconica, 10c and 15c. Godfrey Aschmann, 1012 W. Ontario St., Philadelphia.

Primula obconica, gigantea, ambriata and Arendsi strains, mixed, 3-in. pots, \$4 per 100; in bud and bloom. Cash or C. O. D. Only 500 left. Geo. A. Halladay, Bellows Falls, Vt.

Primula obconica, giants, extra strong, ready for 4-in. pots, \$3 per 100. Fine for Easter. Extras cash. John F. Rupp, Shiremanstown, Pa.

Primula Malacoides, strong, 2 1/4-in., \$2.50 per 100; ready to shift. Rober & Radke, Maywood, Ill.

Primroses, obconica, alba, rosea and gigantea, 2 1/4-in., \$1.50 per 100; \$12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primulas, 2 1/4-in., \$2 per 100; 300 for \$5. J. C. Schmidt, Bristol, Pa.

PRIVET.

AMOR RIVER NORTH. The hardiest privet grown, 12 to 18 inch, \$2 per 100; 18 to 24 inch, \$3 per 100. Valdesian Nurseries, Bostic, N. C. Atlanta Floral Commission Co., Atlanta, Ga.

RHODODENDRONS.

Rhododendrons. W. & T. Smith Co., Geneva, N. Y.

ROSES.

ROSES—Pine, healthy stock on own roots: Mrs. De Graw, Mrs. David McKee, Burbank, Franz Dugan, Duchess de Brabant, Apricot, Marie Lambert, Coquette des Blancs, Hermosa, White Cochet, Anna Muller, Pink Cochet, White La France, Clothilde Souper, Mme. Abel Chateau, Climbing Meteor, Safrano, Souv. de Pierre Notting, Golden Gate, Champion of the World, 2-in., \$3 per 100. Ben R. Cant. Gloire de L'Exposition Bruxelles, La Reine, Kaiserin, Pink La France, Gruss an Teplitz, Wellesley, Helen Gould, 2-in., \$3.50 per 100. Mrs. Cutbush, Pres. Taft, 2-in., \$5 per 100. Order now; will ship when wanted. WAGNER PARK CONSERVATORIES, Sidney, O.

ROOTED ROSE CUTTINGS.

	Per 100.	Per 1,000.
American Beauties	\$3.00	\$25.00
Pink Killarney	2.50	20.00
White Killarney	2.50	20.00
Richmond	2.00	18.00
My Maryland	3.00	25.00

Ready now. Satisfaction guaranteed. GEORGE REINBERG.

162 N. Wabash Ave. Chicago, Ill.

Rose, Mrs. Chas. Russell, price on grafted stock, per 12, \$7.50; per 100, \$35; per 250, \$82.50; per 500, \$150; per 1,000, \$300; per 2,500, \$687.50; per 5,000, \$1,250. Waban Rose Conservatories, Natick, Mass.

Roses, rooted cuttings, White and Pink Killarney, \$2 per 100; \$27.50 per 1,000. Richmond, \$1.75 per 100; \$15 per 1,000. Mrs. Aaron Ward, \$4 per 100; \$35 per 1,000. Peter Reinberg, 30 E. Randolph St., Chicago, Ill.

Roses, rooted cuttings ready February. Killarney, White Killarney and Lady Hillingdon. Write for prices. Carl E. Holm, Madison, N. J.

Rose Milady, \$30 per 100; \$250 per 1,000. Mrs. Geo. Sawyer, \$30 per 100; \$250 per 1,000. Chas. H. Totty, Madison, N. J.

Roses. For varieties and prices see advertisement elsewhere in this issue. A. N. Pierson, Inc., Cromwell, Conn.

Roses, McHutchison & Co., 17 Murray St., New York.

Roses. Mrs. Chas. Russell and Mrs. Geo. Sawyer. The E. G. Hill Co., Richmond, Ind.

Roses. S. S. Skidelsky & Co., 1215 Betz Bldg., Philadelphia.

Roses. 3-in. pots, Wood Bros., Fishkill, N. Y.

Roses, Bobbink & Atkins, Rutherford, N. J.

Roses. W. & T. Smith Co., Geneva, N. Y.

ROOTED CUTTINGS.

Rooted Cuttings: Abutilon Savitzki, Acalypha Macaefana, Schryanthus Emersoni, ageratum, 6 vars.; alternantheras, 8 vars.; alyssum, dbl. giant and dwarf; Begonia Vernon, Graeflis luminosa, Cuphea, Coleus, 10 vars.; Coleus Brilliant-cy; Chrysanthemums, 75 pompon vars.; heliotrope, hardy English Ivy, lantana, 15 vars.; lemon verberna, moonvines, petunias, Salvia Bonfire and Zurich; parlor ivy, Swainsona alba and rosea, R. Vincent, Jr., & Sons Co., White Marsh, Md.

Rooted cuttings: Verbenas, 70c per 100; \$6 per 1,000. Ageratum, 60c per 100; \$5 per 1,000. Heliotrope, daisies, salvias, \$1 per 100; \$8 per 1,000. Feverfew, petunias, \$1.25 per 100; \$10 per 1,000. Coleus, 70c per 100; \$6 per 1,000. Alyssum, double, \$1 per 100; \$8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Seeds. The "Spencer" type of Sweet peas. For varieties and prices see advertisement elsewhere in this issue. W. Atlee Burpee & Co., Philadelphia.

Seeds, Sawyer Asterum, oz., \$8; 1/4 oz., \$4.50; trade packet, \$1. Albert A. Sawyer, Forest Park, Ill.

Vaughan's Flower Seeds—Ageratum, alyssum, antirrhinum, asparagus, aster, begonia, bellis, candytuft, celosia, centaurea, cobaea scandens, coleus, cyperus, dracena, echeveria, grevillea robusta, heliotrope, Ipomoea noctiflora, lantana hybrids, lobelia, mignonette, Mimulus, myosotis, petunia, pyrethrum, salvia, stocks, verberna, vinca rosea. See page advertisement for prices. Vaughan's Seed Store, Chicago and New York.

Seeds—Ageratum, alyssum, antirrhinum, Asparagus plumosus and Sprengeri, asters, begonia, candytuft, celosia, centaurea, cineraria, cobra scandens, coleus, Dracena indivisa, Grevillea robusta, ipoemea, lobelias, mignonette, petunias, salvias, smilax, stocks, Thunbergia, Torenia For., verbenas. For varieties and prices see advertisement elsewhere in this issue. The Storrs & Harrison Co., Painesville, O.

Seeds, beans, beets, cabbage, carrots, Kohl rabi, leek, lettuce, onions, peas, radishes, spinach, turnips, swedes, asters, balsams, begonias, carnations, cineraria, gloxinias, larkspur, nasturtiums, pansies, petunias, phlox, primulas, scabious, stocks, verbenas, zinnias, etc. Mette's Triumph of the Giant Pansies, mixed, \$6 per oz.; 1/4 oz., \$1.75; 1/2 oz., \$1. Henry Mette, Quedlinburg, Germany.

Seeds, carrots, lettuce, onion, radish, beet, parsley, parsnip, salsify, sweet peas, mustard, celery, endive. California Seed Growers' Association, Inc., San Jose, Calif.

Seeds, Asparagus plumosus and Sprengeri. For prices see advertisement elsewhere in this issue. Los Angeles Flower Market, 414 1/2 So. Broadway, Los Angeles, Calif.

SHAMROCKS.

Shamrocks, 2-in., \$3.50 per 100; \$30 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SMILAX.

Smilax, 2-in., \$1 per 100. Elmer Rawlings, Olean, N. Y.

Smilax. Wood Bros., Fishkill, N. Y.

VEGETABLE PLANTS.

Vegetable plants, Cabbage in variety; lettuce, Big Boston, Giant White Foreing, Grand Rapids and Tennis Ball, \$1 per 1,000; \$90 per 1,000 in 10,000 lots. Franklin Plant Farm, Inc., P. O. Box 964, Norfolk, Va.

We grow cauliflower, egg plant, peppers, lettuce, cabbage, tomatoes and parsley. See our other advt. FRANKLIN PLANT FARM, Inc., Frank Bruton, Pres. and Mgr., P. O. Box 964, Norfolk, Va.

Vegetable plants, tomato, egg and pepper plants. Benj. F. Castner, Belvidere Ave., Washington, N. J.

VINCAS.

Vinca var., 2-in., 2c. Geo. M. Emmans, Newton, N. J.

Vinca variegata, 3-in., \$4 per 100. Jos. H. Cunningham, Delaware, O.

BUILDING MATERIAL.

Building material, Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouse and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material of all descriptions for all cypress semi-iron frame or truss houses. Hotbed sash and frames. Lord & Burnham Co., 1133 Broadway, New York.

Pecky cypress, cedar posts, drop siding and other greenhouse lumber. Edward Hines Lumber Co., Chicago.

Building material, cypress, sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 902 Blackhawk St., Chicago.

Building material, pecky cypress, ship lap, drop siding, sheathing, flooring, white cedar posts, etc. Adam Schillo Lumber Co., Hawthorne and Weed Sts., Chicago.

Building material of all kinds. Hotbed sash. The Foley Mfg. Co., 2542 So. Western Ave., Chicago.

Building material, Louisiana cypress, pecky cypress hotbed sash. S. Jacobs & Sons, 1357 Flushing Ave., Brooklyn, N. Y.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 2642 Sheffield Ave., Chicago.

Building material, cold frames, hotbed sash. Hitchings & Co., 1170 Broadway, N. Y.

CARNATION STAPLES.

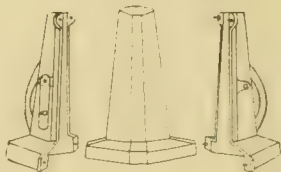
SUPERIOR CARNATION STAPLES. Mend your split carnations. Finest article for carnation growers introduced so far. 50c for 1,000, postage paid.

MICHIGAN CUT FLOWER EXCHANGE.

38-40 Broadway, Detroit, Mich. Pillsbury's Carnation Staples, 50c per 1,000, postpaid. I. L. Pillsbury, Galesburg, Ill.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.

Concrete Posts Last Forever



You will not need to replace the posts under your benches if you use Concrete Posts made in Garland Post Forms.

Write us Today.

THE GEO. M. GARLAND COMPANY

MAIN OFFICE: DES PLAINES, ILL.

Branch Offices: Means & Thacher, 6 and 8 Custom House St., Boston, Mass. C. C. Shafer, 115 W. 14th St., Los Angeles, Cal. S. A. Jamieson, 826 Plymouth Bldg., Minneapolis, Minn.

FERTILIZERS.

Wizard Brand Pulverized Sheep, Pulverized Cattle, Shredded Cattle manure. The Pulverized Manure Co., 32 Union Stock Yards, Chicago.

GOLDFISH.

Gold Fish, aquarium plants, castles, globes and all supplies. Send for wholesale catalogue. Anburndale Goldfish Co., 920 W. Randolph St., Telephone, Haymarket 152, Chicago.

INSECTICIDES.

The K's Insecticide, Fertilizer and Disinfectant Nozzle, with "Fermentizo," \$2. Jos. Kopcsay, So. Bend, Ind.

MATS.

MATS:—We make not only the most practical but the cheapest HOTBED and COLD FRAME MATS on the market. A large per cent of our orders come from gardeners and florists who have tried them and are pleased. Our mats are in use in Iowa, Ill., Ind., Ohio, Minn., Wis., Mich., New York, Maine, Mass., Conn., R. I., N. J., Va., W. Va., and Pa. Also in British Columbia and Ont., Canada. Send for circular. WATTS BROS., Kerrmoor, Pa.

MISCELLANEOUS.

Pansy and verbenas baskets, 6 ins. wide, 3 ins. deep, 500 to crate, per 1,000, \$9; 13 ins. long, 7½ ins. wide, 4 ins. deep, 250 to crate, per 1,000, \$15; detachable wire handles for the above, \$2 per 1,000. Coles & Co., 109 Warren St., New York.

Greenhouse glass. Baur Window Glass Co., Eaton, Ind.

Florists' Supplies of all kinds. H. Bayersdorfer & Co., 1129 Arch St., Philadelphia.

Green Silkaline. John C. Meyer & Co., Lowell, Mass.

Baskets, new imported stock. Raedlein Basket Co., 713 Milwaukee Ave., Chicago.

Glass. Sharp. Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass, bent glass, ground glass. The Johnston Glass Co., Hartford City, Ind.

REFRIGERATORS.

ICELESS REFRIGERATING SYSTEMS—Cleaner, better and cheaper than ice. Also "HYGRADE" OAK AND TILE REFRIGERATORS AND FIXTURES. Ask for Catalogue "O." H. A. Born Company, 1040 Van Buren St., Chicago.

Peerless Refrigerators for florists. Jac. Lederer, 644-48 W. Madison St., Chicago.

Florists' refrigerators. Buchbinder Bros., 618 Milwaukee Ave., Chicago.

STAKES.

Cane Stakes. Standard grade, 6 to 8 feet, per 100, 85c; 500 for \$3; \$5.50 per 1,000. Pipe Stems, about 6 feet; per 100, 60c; per 1,000, \$5. Vaughan's Seed Store, Chicago.

CYPRESS
IS FAR MORE DURABLE THAN PINE.
CYPRESS
SASH BARS
UP TO 32 FEET OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL,
MEN FURNISHED TO SUPERINTEND
ERECTION WHEN DESIRED.
Send for our Circulars.
THE A. T. STEARNS LUMBER CO.,
NEPONSET, BOSTON, MASS.

Mention the American Florist when writing



Split Carnations
Easily Mended with
Pillsbury Carnation Staple

We find it very satisfactory.
J. L. DILLON.
Can't get along without them.
J. L. JOHNSON.
2000 for \$1.00 postpaid.

I. L. PILLSBURY
Galesburg, Ill.

Wired Toothpicks

10,000 \$1.75; 50,000 \$7.50. Manufactured by

W. J. COWEE, Berlin, N. Y.
Sam plefree. For sale by dealers.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florist Supplies.

—Send For Prices—

404-412 East 34th St. **NEW YORK.**

Mention the American Florist when writing

"SUPERIOR"

HOT WATER BOILERS
For Greenhouse Heating.

Made in 9 Sizes.

Superior Machine
and Boiler Works.

846-848 W. Superior St.,
Chicago, Ill.

WILKS'

Hot Water Boilers

ARE THE MOST ECONOMICAL

Boiler for Greenhouses

No Night Fireman Required
with our

SELF-FEEDING HOT WATER BOILERS.

Send for Catalog and Prices.

S. WILKS MFG. CO.,
3503 Shields Ave. **CHICAGO**

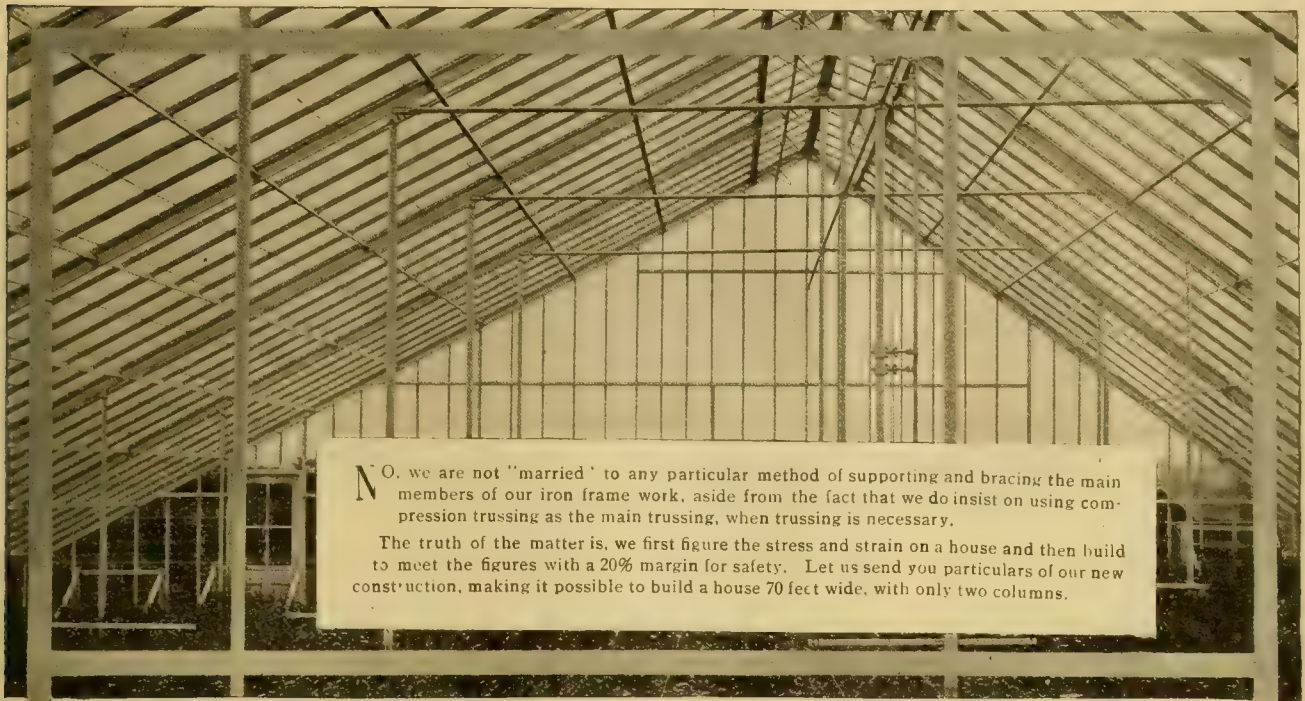
METROPOLITAN MATERIAL CO.

— PATENTED —

Greenhouse Boilers and
Construction Material

Please send for catalog and prices.
1394-1412 Metropolitan Ave.,
BROOKLYN, N. Y.

If You Do Not Find What You Need in Our Ready Reference Department, Write Us About It.



NO, we are not "married" to any particular method of supporting and bracing the main members of our iron frame work, aside from the fact that we do insist on using compression trussing as the main trussing, when trussing is necessary.

The truth of the matter is, we first figure the stress and strain on a house and then build to meet the figures with a 20% margin for safety. Let us send you particulars of our new construction, making it possible to build a house 70 feet wide, with only two columns.

Hitchings & Co.,

New York Office: 1170 Broadway.
Factory: Elizabeth, N. J.

Peerless Refrigerators

Built Exclusively for Florists

Write for Special Designs and Prices

JAC LEDERER

644-48 W. Madison St., - - CHICAGO

Phone 2496 Monroe



EVANS' Improved Challenge Ventilating Apparatus

Write for Illustrated Catalog
Quaker City Machine Works,
Richmond, Ind.

GREENHOUSE BOILERS

Catalog Free.

Address

S. Freeman & Sons Mfg. Co.,
RACINE, WIS.

Lock the door before the horse is stolen,
and insure your glass before it is broken.

For particulars concerning
Hail Insurance, address

JOHN G. ESLETER, Secretary,
SADDLE RIVER N. J.

Florists! INSURE YOUR PLANTS IN WINTER at but a trifling cost

GET A LEHMAN WAGON HEATER

Over Half a Million in use
by Florists, etc. The cost of
heating is only **TWO CENTS**
for **TWELVE HOURS CONTIN-**
UOUS HEAT.

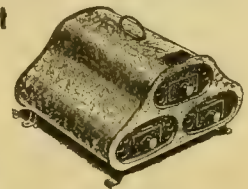
Send for descriptive circular to

LEHMAN BROS., JAS. W. ERRINGER,

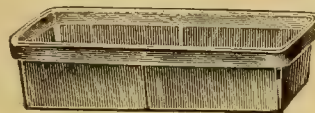
MANUFACTURERS.

General Western Sales Agent

10 Bond St., NEW YORK. 20 E. Randolph St., CHICAGO



PANSY and VERBENA BASKETS



Small size, measure 9 inches long,
6 inches wide, 3 inches deep, put
up 500 in crate, per 1000.....\$ 9.00

Large size, measure 13 inches long,
7 1/2 inches wide, 4 inches deep, put
up 250 in a crate, per 1000..... 15.00

Detachable wire handles for either of the above, per 1000..... 2.00

Orders entered now either for immediate or future shipment.

Have the other sizes. Send for descriptive circular.

COLES & CO., 109-111 Warren Street, NEW YORK.

Mention the American Florist when writing

BUCHBINDER FLORISTS' REFRIGERATORS

Write to Dept. C3 for Catalog.

BUCHBINDER BROS.

MANUFACTURERS

518 Milwaukee Ave., - Chicago, Ill.

H. BAYERSDORFER & CO.



Florists' Supplies.

1129 Arch St., PHILADELPHIA, PA.

Send for our new catalogue.

WHAT THE USERS SAY ABOUT KROESCHELL BOILERS

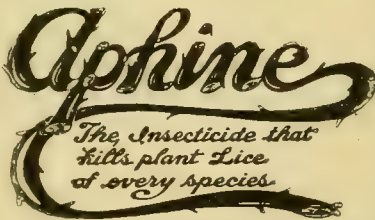
Kroeschell Boiler Generator and Heating System INSURE PERFECT RESULTS.

Having promised you a letter as soon as we passed through a good fair test, I consider it now most timely. We had the thermometer 18 degrees below zero and we've just gone through a blizzard bad enough for most any season, and am very well pleased to inform you that our heating system was equal to the occasion. So far as we have gone, am certainly well satisfied with the Kroeschell Boiler, Generator and Heating System.

J. E. MATHEWSON, Sheboygan, Wis.

Send for new catalogue—DO IT TODAY

KROESCHELL BROS. CO. 452 W. ERIE ST. CHICAGO



The Recognized Standard Insecticide.

Not a cure-all, but a specific remedy for all sap sucking insects infesting plant life, such as green, black, white fly, thrips, red spider, mealy bug and soft scales.

\$1.00 per Quart. \$2.50 per Gallon.

FUNGINE

An infallible remedy for mildew, rust and bench fungi. Unlike Bordeaux and lime, and sulphur it does not stain the foliage, but cleanses it.

75c per Quart. \$2.00 per Gallon.

VERMINE

A soil sterilizer and vermicide. Destroys eel, cut, wire and grub worms, maggots, root lice and ants. Used 1 part to 400 parts water, it does not injure plants, but protects your crops against ravages under the soil.

\$1.00 per Quart. \$3.00 per Gallon.

o All are spraying materials and are effective in the greenhouse and in the garden.

FOR SALE BY SEEDSMEN

Aphine Manufacturing Co.

Manufacturers of Agricultural Chemicals.

Madison, N. J.

M. C. Ebel, General Manager.

Mention the American Florist when writing

WE ARE SPECIALISTS IN

Greenhouse Glass Paints & Putty

BUFFALO WHITE (Semi-Paste)

Most Perfect White Paint Made.

Be sure to get our estimates.

THE DWELLE-KAISER CO.

338-342 Ellcott St., BUFFALO, N. Y.

BRANCH OFFICES:

80 N. Allen Street, Albany, N. Y.
Cutler Building, Rochester, N. Y.
20 State Street, Erie, Pa.

Mention the American Florist when writing

Attention! Glass Buyers!!

GREENHOUSE GLASS

You will save money if you obtain our prices before you buy
Quality A No. 1. Prompt shipments.

Hooker's Greenhouse White Paint

The most durable White Paint for this purpose.

Half barrels (25 gallons), per gal., \$1.75; 5 gal. pails, per gal., \$1.80.

H. M. HOOKER COMPANY,

WHOLESALE GLASS AND PAINTS,

Long Distance Phone
Monroe 4994.

651-659 West Washington Boulevard, Chicago
Near Des Plaines St.

GREENHOUSE GLASS

Superior Quality and Right Prices.

Let Us Quote You. We Can Save You Money.

Baur Window Glass Co., EATON, IND.

THE JOHNSTON GLASS CO.

Hartford City, Ind.

Bent Glass Ground Glass

Mention the American Florist when writing



Pulverized or Shredded
Cattle Manure

Pulverized
Sheep Manure

Unequalled for Greenhouse Fertilizing.
Ask for Grower's Booklet.

THE PULVERIZED MANURE CO.
32 Union Stock Yards, Chicago

Mention the American Florist when writing

green flies and
black ones too

are easy to kill with

The Fumigating Kind Tobacco Powder

\$3.00 per bag 100 lbs.

Satisfaction guaranteed or money back;
why try cheap substitutes that makers do
not dare to guarantee?

THE H. A. STOOTHOFF CO., MOUNT VERNON, N. Y.

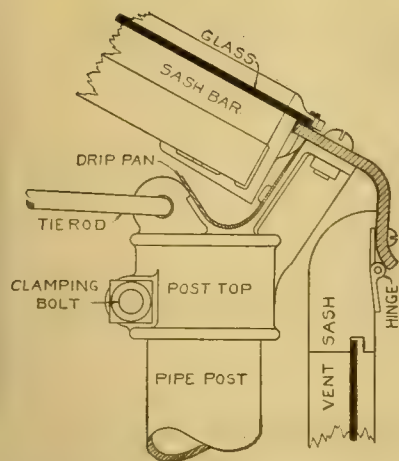
GLASS

We are leaders. Large stock, good prices.

SHARP, PARTRIDGE & CO.

CHICAGO, ILLINOIS

Mention the American Florist when writing



CURVED IRON EAVE STYLE "S"

This Eave is intended for use on detached houses with either fixed glass or side sash. It is practically all exposed to the inside heat of the greenhouse and so is ice clearing.

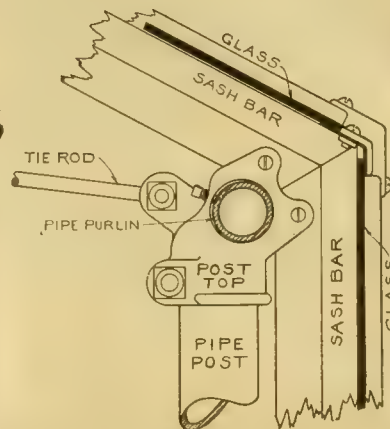
KING GREENHOUSE EAVES

They solve the Eave problem. They make the least possible shade. And, as you can see, present no surface for icicles to form on. They have great strength with lightness. They are designed and made for the purpose and not adapted from stock structural shapes. We want to figure with you.

KING CONSTRUCTION CO.

Home Office and Works:
North Tonawanda, N. Y.

New England Sales Office:
7 Water Street, Boston, Mass.



CURVED IRON EAVE STYLE "L"

This Eave, although lighter than Style "S", is amply strong for all eave purposes. It obstructs little light and is ice clearing in the most severe weather. It is intended for use with fixed glass only.

Dreer's Peerless Glazing Points

For Greenhouses

Drive easy and true, because both bevels are on the same side. Can't twist and break the glass in driving. Galvanized and will not rust. No rights or lefts.

The Peerless Glazing Point is patented. No others like it. Order from your dealer or direct from us.

1000, 75c. postpaid.
Samples free.

HENRY A. DREER,
714 Chestnut Street,
Philadelphia.

FULL
SIZE
No 2

SIEBERT'S ZINC

Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 30,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, $\frac{3}{8}$ and $\frac{1}{2}$. 40c per lb., by mail 16c extra; 7 lbs. for \$2.50 15 lbs. for \$5.00, by express. For sale by the trade

RANDOLPH & McCLEMENTS, Florists.
5936 Penn Ave., near Highland, Pittsburgh, Pa.

Mention the American Florist when writing

VAUGHAN'S PERFECTION POINT

No. 2. Large single thick glass.
No. 2½. Double thick.
Price, per 1000, 55c.
by mail, 70c; 5,000,
by express, \$2.50.
VAUGHAN'S
SEED STORE
Chicago, New York



Owning Your Greenhouse—What It Means.



This is the U-Bar, the bar that makes U-Bar Greenhouses the Famous Greenhouses They Are.

You can talk about the things cold frames will do for you "until the cows come home," but if you want real flowers, real bedding plants that you can count on being top notch year in and year out—then a greenhouse is the only thing. The only thing because it is the **sure thing**. With a greenhouse your frames become doubly valuable, as then one helps the other greatly to the advantage of both. With a greenhouse you control temperatures and conditions and can have what you want when you want it. But don't allow anyone to persuade you that any other curved eave house is just as good as the U-Bar. It is not so. We want to show you exactly why. Send for the catalog as a starter.

U-BAR GREENHOUSES

PIERSON U-BAR CO

ONE MADISON AVE. NEW YORK

CANADIAN OFFICE, 10 PHILLIPS PLACE, MONTREAL

"Red Devil" No. 024



The glazier's standard tool for cutting all kinds of glass. The "Red Devil" glass cutter that is used by all. Known and recognized throughout the world as **THE BEST** cutter ever made. Sold everywhere by the hardware trade. Ask your local dealer for "Red Devil" No. 024. Send us three 2c stamps for One only free sample.

SMITH & HEMENWAY CO., 501 Chambers St., New York.

Plant Bed Cloth

For Florists, Gardeners, Truck Farmers, etc. Protects from frost. Best shade in summer. Sold by leading seedsmen.

WATERPROOF SHEETING, HAY CAPS, ETC.

HENRY DERBY, 455 St. Pauls Ave., Jersey City, N. J.

Mention the American Florist when writing

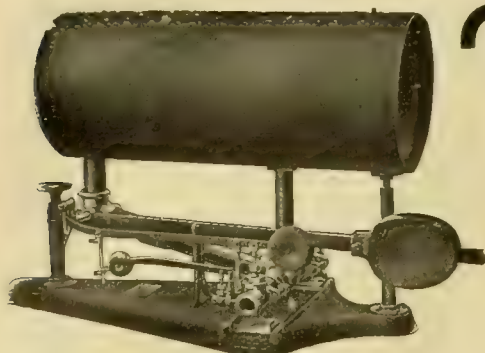
PRINTING

Letterheads, Envelopes, Billheads, Statements, Cards and Special Shipping Labels, also Seed Envelopes.

Plate Making and Color Work.

Gorham & Chapline Printery

542 S. Dearborn St., CHICAGO



Where There Is Condensation

—there is need for a **Morehead Steam Trap**
Condensation in steam lines is akin to matter out of place—means wasted energy.

If your lines are sluggish—if your houses are not of uniform temperature, write us. We guarantee to drain your lines perfectly—return the pure, hot condensation to your boiler without pump or injector or make no charge for the trial. Obey that impulse—write now.

Send for "Book on Condensation."

Morehead Manufacturing Co.,

Dept. "N," DETROIT, MICHIGAN

—Stocks Carried
Philadelphia
Birmingham, Ala.

Memphis, Tenn.
Los Angeles

Chatham, Ontario
San Francisco

New York
Chicago

Wichita, Kan.
New Orleans, La.



**This
Beautiful
Lawn Vase
Only \$4.90.**

Height, 20 inches;
diameter of bowl, 22
inches; size of base,
14 inches; capacity of reservoir, 1½ gallons;
weight, 81 pounds. Order No. 4C12003, without
arms. Price \$4.90
4C12005, with arms, price..... \$5.65
Special price made to dealers for quantity lots.

We Are the Bargain Center of the World
We handle everything from a pin to a complete
house. Send for our large General Catalog No. 47.

SPECIAL NOTE.

Our Heating Dept. makes a specialty of complete **Greenhouse Heating Systems**. Send for our Special Heating Catalog No. 47. Estimates furnished free of charge.

CHICAGO HOUSE WRECKING CO.
CHICAGO, ILL.

Mention the American Florist when writing

DO not let the accounts owing you remain longer unpaid. Send them to us at once. We are prompt, energetic and reasonable, and can reach any point in the United States and Canada.

National Florists' Board of Trade

56 PINE STREET : : NEW YORK

Mention the American Florist when writing

Pecky Cypress

Cedar Posts, Dropsiding
and Other Greenhouse
Lumber.

We are the largest retailers of lumber in the world and can furnish you in quantities from wagon to carload lots. It will pay you to get our prices.

EDWARD HINES LUMBER COMPANY,
Retailers of Everything in Lumber.

Edgewater and Rosehill Branch: Balmoral
Ave. and C. & N. W. R. R. Tracks, CHICAGO.

Mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

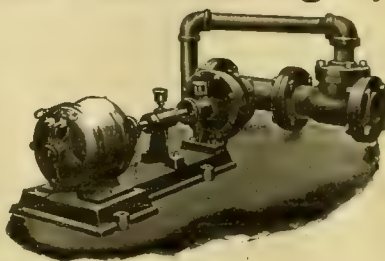
FLORISTS' SUPPLIES

We manufacture all our

Metal Designs, Baskets, Wire Work, and Novelties, and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Mention the American Florist when writing

Hot Water Heating by Taylor Syphon Circulator



A FUEL SAVING DEVICE

For your greenhouse. We have them for steam or hot water.

Taylor return traps for steam, Syphon Circulators for water.

Taylor Steam Specialty Co.

36-38 Jackson Street,

BATTLE CREEK, MICH.

VENTILATING EQUIPMENT



WE can save you money on Ventilating Apparatus and Greenhouse Fittings, and furnish an equipment that is absolutely guaranteed to give entire satisfaction.

Our Advance Line has been the standard for years and has never failed to please.

Write today for our new catalog, and let us estimate on your needs at least. You will then agree with us in saying that our equipment and prices are the best to be had.

Advance Co., Richmond, Ind.

Use our patent
Iron Bench
Fittings and
Roof Supports

THE JENNINGS APPROVED IRON CUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & KEEN,

S. W. Corner Sixth and Berk Streets,

PHILADELPHIA.

VENTILATING
APPARATUS

50% SAVED.

Pipes, Flues

and Casings thoroughly overhauled and guaranteed. Greenhouse Fittings of every description.

ILLINOIS PIPE & MFG. CO.,

2113 S. Jefferson St.,

CHICAGO

Boilers OF HIGH GRADE..

For GREENHOUSES

See Our Catalogue.

Steam and
Hot Water

GIBLIN & CO., Ullica, N. Y.

The Early Advertisement Gets There

B
H

